

Liste der Publikationen Prof. Dr. Claudia Künzer, 01/2025

Zitationsindexe nach Google Scholar, 10.01.2025	Alle	Seit 2020
Zitate	17259	10512
h-index	75	58
i10-index	197	159

- **187 veröffentlichte SCI Zeitschriftenbeiträge (25 als Erstautorin)**
- **42 Buchkapitel**
- **> 230 Konferenzbeiträge**
- **4 eigene Bücher**
- **Reviews für 10+ SCI Zeitschriften und Gesellschaften**

Fachbücher:

- [4] **KUENZER, C.**, LEINENKUGEL, P. and DECH, S., 2017: Remote Sensing the Mekong, 184 pp., ISBN 978-0-415-30638-6, Routledge
- [3] **KUENZER, C.**, DECH, S., and WAGNER, W., 2015: Remote Sensing Time Series revealing Land Surface Dynamics, Remote Sensing and Digital Image Processing Series, Volume 17, 441 pp., ISBN 978-3-319-15966-9, Springer, The Netherlands
- [2] **KUENZER, C.** and S. DECH, 2013: Thermal Infrared Remote Sensing – Sensors, Methods, Applications. Remote Sensing and Digital Image Processing Series, Volume 17, 537 pp., ISBN 978-94-007-6638-9, Springer, The Netherlands
- [1] RENAUD, F. and **KUENZER, C.**, 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta. 463 pp., ISBN: 978-94-007-3961-1, Springer, The Netherlands

SCI Zeitschriftenbeiträge (peer-reviewed):

2024

- [187] COLEMAN, K., MÜLLER, J., **KUENZER, C.**, 2024: Remote Sensing of Forests in Bavaria: A Review, Remote Sensing, 6(10), 1805
- [186] FOKENG MELI, R., BACHOFER, F., SOGNO, P., KLEIN, I., UEREYEN, S., **KUENZER, C.**, 2024: Surface water dynamics of Lake Chad Basin (Sahelian Africa) based on daily temporal resolution Earth observation time series, Journal of Hydroinformatics, 26 (9), 2325-2352
- [185] HA VAN, T., ÜREYEN, S., **KUENZER, C.**, 2024: Spatiotemporal analysis of tropical vegetation ecosystems and their responses to multifaceted droughts in Mainland Southeast Asia using satellite-based time series, GIScience and Remote Sensing, 61, 1-28
- [184] KACIC, P., GESSNER, U., HOLZWARTH, S., THONFELD, F., **KUENZER, C.**, 2024: Assessing experimental silvicultural treatments enhancing structural complexity in a central European forest – BEAST time-series analysis based on Sentinel-1 and Sentinel-2, Remote Sensing in Ecology and Conservation, 1-20
- [183] KLEIN, I., UEREYEN, S., SOGNO, P., TWELE, A., HIRNER, A., **KUENZER, C.**, 2024: Global WaterPack - The development of global surface water over the past 20 years at daily temporal resolution, Scientific Data, 11 (472), 1-9

- [182] REINERS, P., OBRECHT, L., DIETZ, A., HOLZWARTH, S., **KUENZER, C.**, 2024: First Analyses of the TIMELINE AVHRR SST Product: Long-Term Trends of Sea Surface Temperature at 1 km Resolution across European Coastal Zones, *Remote Sensing*, 16 (11), 1932
- [181] SCHILLING, S., DIETZ, A., **KUENZER, C.**, 2024: Snow Water Equivalent Monitoring - A Review of Large-Scale Remote Sensing Applications; *Remote Sensing*, 16 (6), 1085
- [180] SOGNO, P., KLEIN, I., ÜREYEN, S., BACHOFER, F., **KUENZER, C.**, 2024: Surface water dynamics of Africa: Analysing continental trends and identifying drivers for major lakes and reservoirs, *International Journal of Remote Sensing*, 1-32
- [179] SPANIER, R., **KUENZER, C.**, 2024: Marine Infrastructure Detection with Satellite Data-A Review *Remote Sensing*, 16(10), 1675
- [178] ÜREYEN, S., KLEIN, I., EISFELDER, C., **KUENZER, C.**, 2024: Multivariate analysis of land surface dynamics in Central Asia: patterns of trends and drivers under a changing climate, *GIScience and Remote Sensing*, 61 (1), 1-24
- [177] WEGLER, M., **KUENZER, C.**, 2024: Potential of Earth Observation to Assess the Impact of Climate Change and Extreme Weather Events in Temperate Forests-A Review, *Remote Sensing*, 16 (12), 1-39
- [176] WENZL, M., BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2024: Vegetation Changes in the Arctic: A Review of Earth Observation Applications, *Remote Sensing*, 16 (23), 1-38

2023

- [175] MUELLER, J., MITESSER, O., CADOTTE, M. W., VAN DER PLAS, F., MORI, A. S., AMMER, C., CHAO, A., SCHERER-LORENZEN, M., BALDRIAN, P., BAESSLER, C., BIEDERMANN, P., CESARZ, S., CLASSEN, A., DELORY, B. M., FELDHAAR, H., FICHTNER, A., HOTHORN, T., **KUENZER, C.**, PETERS, M. K., PIERICK, K., SCHMITT, T., SCHULDT, B., SEIDEL, D., SIX, D., STEFFAN-DEWENTER, I., THORN, S., VON OHEIMB, G., WEGMANN, M., WEISSER, W. W., EISENHAEUER, N., 2023: Enhancing the structural diversity between forest patches - A concept and real-world experiment to study biodiversity, multifunctionality and forest resilience across spatial scales, *Global Change Biology*, 29 (6), 1437-1450
- [174] BAUMHOER, C., DIETZ, A. J., HEIDLER, K., **KUENZER, C.**, 2023: IceLines – A new data set of Antarctic ice shelf front positions, *Nature Scientific Data*, 10 (138), 1-10
- [173] BUCHELT, S., BLÖTHE, J. H., **KUENZER, C.**, SCHMITT, A., ULLMANN, T., PHILIPP, M., KNEISEL, C., 2023: Deciphering Small-Scale Seasonal Surface Dynamics of Rock Glaciers in the Central European Alps Using DInSAR Time Series, *Remote Sensing*, 15 (12), 2982
- [172] EISFELDER, C., ASAM, S., HIRNER, A., REINERS, P., HOLZWARTH, S., BACHMANN, M., GESSNER, U., DIETZ, A., HUTH, J., BACHOFER, F., **KUENZER, C.**, 2023: Seasonal Vegetation Trends for Europe over 30 Years from a Novel Normalised Difference Vegetation Index (NDVI) Time-Series—The TIMELINE NDVI Product, *Remote Sensing*, 15 (14), 1-27
- [171] GESSNER, U., REINERMANN, S., ASAM, S., **KUENZER, C.**, 2023: Vegetation Stress Monitor - Assessment of Drought and Temperature-Related Effects on Vegetation in Germany Analyzing MODIS Time Series over 23 Years, *Remote Sensing*, 15 (22), 1-25
- [170] HA VAN, T., ÜREYEN, S., **KUENZER, C.**, 2023: Agricultural drought conditions over mainland Southeast Asia: Spatiotemporal characteristics revealed from MODIS-based vegetation time-series, *International Journal of Applied Earth Observation and Geoinformation*, 121, 1-15
- [169] HOLZWARTH, S., THONFELD, F., KACIC, P., ABDULLAHI, S., ASAM, S., COLEMAN, K., EISFELDER, C., GESSNER, U., HUTH, J., KRAUS, T., SHATTO, C., WESSEL, B., **KUENZER, C.**, 2023: Earth-Observation-Based Monitoring of Forests in Germany—Recent Progress and Research Frontiers: A Review, *Remote Sensing*, 1-35
- [168] KACIC, P., THONFELD, F., GESSNER, U., **KUENZER, C.**, 2023: Forest Structure Characterization in Germany: Novel Products and Analysis Based on GEDI, Sentinel-1 and Sentinel-2 Data, *Remote Sensing*, 15, 1-27

- [167] KLEIN, I., UEREYEN, S., EISFELDER, C., PANKOV, V., OPPELT, N., **KUENZER, C.**, 2023: Application of geospatial and remote sensing data to support locust management, *International Journal of Applied Earth Observation and Geoinformation*, 117 (103212), 1-15
- [166] PHILIPP, M., DIETZ, A., ULLMANN, T., **KUENZER, C.**, 2023: A Circum-Arctic Monitoring Framework for Quantifying Annual Erosion Rates of Permafrost Coasts, *Remote Sensing*, 15 (3), 1-28
- [165] REINERMANN, S., ASAM, S., GESSNER, U., ULLMANN, T., **KUENZER, C.**, 2023: Multi-annual grassland mowing dynamics in Germany: spatio-temporal patterns and the influence of climate, topographic and socio-political conditions, *Frontiers in Environmental Science*, 11, 1040551
- [164] REINERS, P., SOBRINO, J., **KUENZER, C.**, 2023: Satellite-Derived Land Surface Temperature Dynamics in the Context of Global Change—A Review, *Remote Sensing*, 15 (7), 1-34

2022

- [163] ASAM, S., GESSNER, U., ALMENGOR GONZÁLEZ, R., WENZL, M., KRIESE, J., **KUENZER, C.**, 2022: Mapping Crop Types of Germany by Combining Temporal Statistical Metrics of Sentinel-1 and Sentinel-2 Time Series with LPIS Data, *Remote Sensing*, 14 (13), 1-30
- [162] HA VAN, T., HUTH, J., BACHOFER, F., **KUENZER, C.**, 2022: A Review of Earth Observation-Based Drought Studies in Southeast Asia, *Remote Sensing*, 14 (15), 3763-3794
- [161] HOESER, T., FEUERSTEIN, S., **KUENZER, C.**, 2022: DeepOWT: a global offshore wind turbine data set derived with deep learning from Sentinel-1 data, *Earth System Science Data*, 14, 4251-4270
- [160] HOESER, T., **KUENZER, C.**, 2022: SyntEO: Synthetic dataset generation for Earth observation and deep learning - Demonstrated for offshore wind farm detection, *ISPRS Journal of Photogrammetry and Remote Sensing*, 189, 163-184
- [159] HOESER, T., **KUENZER, C.**, 2022: Global dynamics of the offshore wind energy sector monitored with Sentinel-1: Turbine count, installed capacity and site specifications, *International Journal of Applied Earth Observation and Geoinformation*, 112, 102957
- [158] KACIC, P., **KUENZER, C.**, 2022: Forest Biodiversity Monitoring Based on Remotely Sensed Spectral Diversity - A Review, *Remote Sensing*, 1-32
- [157] KLEIN, I., COCCO, A., UEREYEN, S., MANNU, R., FLORIS, I., OPPELT, N., **KUENZER, C.**, 2022: Outbreak of Moroccan locust in Sardinia (Italy): a remote sensing perspective, *Remote Sensing*, 14 (6050), 1-18
- [156] KLEIN, I., VAN DER WOUDE, S., SCHWARZENBACHER, F., MURATOVA, N., SLAGTER, B., MALAKHOV, D., OPPELT, N., **KUENZER, C.**, 2022: Predicting suitable breeding areas for different locust species - A multi-scale approach accounting for environmental conditions and current land cover situation, *International Journal of Applied Earth Observation and Geoinformation*, 107 (102672), 1-13
- [155] KÖHLER, J., BAUER, A., DIETZ, A. J., **KUENZER, C.**, 2022: Towards Forecasting Future Snow Cover Dynamics in the European Alps—The Potential of Long Optical Remote-Sensing Time Series, *Remote Sensing*, 14 (18), 1-30
- [154] KÖHLER, J., DIETZ, A., ZELLNER, P. J., BAUMHOER, C., DIRSCHERL, M., CATTANI, L., VLAHOVIĆ, Ž., ALASAWEDAH, M. H., MAYER, K., HASLINGER, K., BERTOLDI, G., JACOB, A., **KUENZER, C.**, 2022: Drought in Northern Italy: Long Earth Observation Time Series Reveal Snow Line Elevation to Be Several Hundred Meters Above Long-Term Average in 2022, *Remote Sensing*, 1-10
- [153] PHILIPP, M., DIETZ, A., ULLMANN, T., **KUENZER, C.**, 2022: Automated Extraction of Annual Erosion Rates for Arctic Permafrost Coasts Using Sentinel-1, Deep Learning, and Change Vector Analysis, *Remote Sensing*, 14, 1-26

- [152] REINERMANN, S., GESSNER, U., ASAM, S., ULLMANN, T., SCHUCKNECHT, A., **KUENZER, C.**, 2022: Detection of grassland mowing events for Germany by combining Sentinel-1 and Sentinel-2 time series, *Remote Sensing*, 14 (1647), 1-27
- [151] SOGNO, P., KLEIN, I., **KUENZER, C.**, 2022: Remote Sensing of Surface Water Dynamics in the Context of Global Change - A Review, *Remote Sensing*, 14 (10), 1-41
- [150] SOGNO, P., **KUENZER, C.**, BACHOFER, F., TRIDL-HOFFMANN, C., 2022: Earth observation for exposome mapping of Germany: analyzing environmental factors relevant to non-communicable diseases, *International Journal of Applied Earth Observation and Geoinformation*, 114 (103084), 1-12
- [149] ÜREYEN, S., BACHOFER, F., KLEIN, I., **KUENZER, C.**, 2022: Multi-faceted analyses of seasonal trends and drivers of land surface variables in Indo-Gangetic river basins, *Science of the Total Environment*, 847, 1-44
- [148] WANG, Z., BACHOFER, F., KÖHLER, J., HUTH, J., HÖSER, T., MARCONCINI, M., ESCH, T., **KUENZER, C.**, 2022: Spatial Modelling and Prediction with the Spatio-Temporal Matrix: A Study on Predicting Future Settlement Growth, *Land*, 11 (8), 1-23
- [147] OTTINGER, M., BACHOFER, F., HUTH, J., **KUENZER, C.**, 2022: Mapping Aquaculture Ponds for the Coastal Zone of Asia with Sentinel-1 and Sentinel-2 Time Series, *Remote Sensing*, 14 (153), 1-25
- [146] THONFELD, F., GESSNER, U., HOLZWARTH, S., KRIESE, J., DA PONTE, E., HUTH, J., **KUENZER, C.**, 2022: A First Assessment of Canopy Cover Loss in Germany's Forests after the 2018–2020 Drought Years, *Remote Sensing*, 14 (3), 1-19
- [145] ÜREYEN, S., BACHOFER, F., **KUENZER, C.**, 2022: A Framework for Multivariate Analysis of Land Surface Dynamics and Driving Variables-A Case Study for Indo-Gangetic River Basins, *Remote Sensing*, 14 (1), 1-24
- [144] JETZ, W., TERTITSKI, G., KAYS, R., MUELLER, U., WIKELSKI, M. and Supporting authors (u. a. **KUENZER, C.**), 2022: Biological Earth observation with animal sensors, *Trends in Ecology and Evolution*, 37, 293-298

2021

- [143] REINERS, P., ASAM, S., FREY, C., HOLZWARTH, S., BACHMANN, M., SOBRINO, J., GÖTTSCHE, F.-M., BENDIX, J., **KUENZER, C.**, 2021: Validation of AVHRR Land Surface Temperature with MODIS and In Situ LST—A TIMELINE Thematic Processor, *Remote Sensing*, 13 (17), 3473-3503
- [142] PERTIWI, A. P., ROTH, A., SCHAFFHAUSER, T., BHOLA, P. K., REUB, F., STETTNER, S., **KUENZER, C.**, DISSE, M., 2021: Monitoring the Spring Flood in Lena Delta with Hydrodynamic Modeling Based on SAR Satellite Products, *Remote Sensing*, 13 (4695), 1-19
- [141] MAYR, S., KLEIN, I., RUTZINGER, M., **KUENZER, C.**, 2021: Systematic Water Fraction Estimation for a Global and Daily Surface Water Time-Series, *Remote Sensing*, 13 (14), 1-21
- [140] MAYR, S., KLEIN, I., RUTZINGER, M., **KUENZER, C.**, 2021: Determining Temporal Uncertainty of a Global Inland Surface Water Time Series, *Remote Sensing*, 13 (17), 1-17
- [139] DIRSCHERL, M., DIETZ, A., **KUENZER, C.**, 2021: Seasonal evolution of Antarctic supraglacial lakes in 2015-2021 and links to environmental controls, *The Cryosphere*, 15 (11), 5205-5226
- [138] DECH, S., HOLZWARTH, S., ASAM, S., ANDRESEN, T., BACHMANN, M., BOETTCHER, M., DIETZ, A., EISFELDER, C., FREY, C., GESELL, G., GESSNER, U., HIRNER, A., HOFMANN, M., KIRCHES, G., KLEIN, D., KLEIN, I., KRAUS, T., KRAUSE, D., PLANK, S. M., POPP, T., REINERMANN, S., REINERS, P., RÖBLER, S., RUPPERT, T., SCHERBACHENKO, A., VIGNESH, R., WOLFMÜLLER, M., ZWENZNER, H., **KUENZER, C.**, 2021: Challenges of Harmonizing 40 Years of AVHRR Data: The TIMELINE Experience, *Remote Sensing*, 13 (3618), 1-35

- [137] BAUMHOER, C., DIETZ, A., KNEISEL, C., PAETH, H., **KUENZER, C.**, 2021: Environmental drivers of circum-Antarctic glacier and ice shelf front retreat over the last two decades, *The Cryosphere*, 15, 2357-2381
- [136] DIRSCHERL, M., DIETZ, A., KNEISEL, C., **KUENZER, C.**, 2021: A Novel Method for Automated Supraglacial Lake Mapping in Antarctica Using Sentinel-1 SAR Imagery and Deep Learning, *Remote Sensing*, 13 (2)
- [135] KLEIN, I., MAYR, S., GESSNER, U., HIRNER, A., **KUENZER, C.**, 2021: Water and hydropower reservoirs: High temporal resolution time series derived from MODIS data to characterize seasonality and variability, *Remote Sensing of Environment*, 253
- [134] KLEIN, I., OPPELT, N., **KUENZER, C.**, 2021: Application of Remote Sensing Data for Locust Research and Management - A Review, *Insects*, 12 (3), 1-36
- [133] PHILIPP, M., DIETZ, A., BUCHELT, S., **KUENZER, C.**, 2021: Trends in Satellite Earth Observation for Permafrost Related Analyses - A Review, *Remote Sensing*, 13 (6), 1-57
- [132] RIYAS, M. J., SYED, T. H., KUMAR, H., **KUENZER, C.**, 2021: Detecting and Analyzing the Evolution of Subsidence Due to Coal Fires in Jharia Coalfield, India Using Sentinel-1 SAR Data, *Remote Sensing*, 13 (1521), 1-22

2020

- [131] DIRSCHERL, M., DIETZ, A., DECH, S., **KUENZER, C.**, 2020: Remote Sensing of Ice Motion in Antarctica - A Review, *Remote Sensing of Environment*, 237
- [130] DIRSCHERL, M., DIETZ, A., KNEISEL, C., **KUENZER, C.**, 2020: Automated Mapping of Antarctic Supraglacial Lakes Using a Machine Learning Approach, *Remote Sensing*, 12 (7), 1-27
- [129] HOESER, T., BACHOFER, F., **KUENZER, C.**, 2020: Object Detection and Image Segmentation with Deep Learning on Earth Observation Data: A Review-Part II: Applications, *Remote Sensing*, 12 (18), 3053
- [128] HOESER, T., **KUENZER, C.**, 2020: Object Detection and Image Segmentation with Deep Learning on Earth Observation Data: A Review-Part I: Evolution and Recent Trends, *Remote Sensing*, 12 (10), 1-44
- [127] HOLZWARTH, S., THONFELD, F., ABDULLAHI, S., ASAM, S., DA PONTE, E., GESSNER, U., HUTH, J., KRAUS, T., LEUTNER, B., **KUENZER, C.**, 2020: Earth Observation Based Monitoring of Forests in Germany: A Review, *Remote Sensing*, 12, 1-43
- [126] HU, Z., DIETZ, A., ZHAO, A., UEREYEN, S., ZHANG, H., WANG, M., MEDERER, P., **KUENZER, C.**, 2020: Snow moving to higher elevations: Analyzing three decades of snowline dynamics in the Alps, *Geophysical Research Letters*, 47, 1-11
- [125] HUTH, J., GESSNER, U., KLEIN, I., YESOU, H., LAI, X., OPPELT, N., **KUENZER, C.**, 2020: Analyzing Water Dynamics Based on Sentinel-1 Time Series - a Study for Dongting Lake Wetlands in China, *Remote Sensing*, 12 (11), 1-21
- [124] ICELY, J., NEWTON, A., CRISTINA, S., PERILLO, G., TURNER, E., AHSAN, D., CRAGG, S., LUO, Y., LU, C., LI, Y., ZHANG, H., RAMESH, R., FORBES, D. L., SOLIDORO, C., BÉJAOU, B., GAO, S., PASTRES, R., KELSEY, H., TAILLIE, D., **KUENZER, C.**, 2020: Anthropogenic pressures on coastal wetlands, *Frontiers in Ecology and Evolution*, 8, 1-29
- [123] KÖHLER, J., **KUENZER, C.**, 2020: Forecasting Spatio-Temporal Dynamics on the Land Surface Using Earth Observation Data—A Review, *Remote Sensing*, 12 (21), 3513
- [122] OTTINGER, M., **KUENZER, C.**, 2020: Spaceborne L-Band Synthetic Aperture Radar Data for Geoscientific Analyses in Coastal Land Applications: A Review, *Remote Sensing*, 12 (14), 1-37.
- [121] REINERMANN, S., ASAM, S., **KUENZER, C.**, 2020: Remote Sensing of Grassland Production and Management - A Review, *Remote Sensing*, 1-32
- [120] SOGNO, P., TRIDL-HOFFMANN, C., **KUENZER, C.**, 2020: Earth Observation Data Supporting Non-Communicable Disease Research: A Review, *Remote Sensing*, 1-34

- [119] SONG, Z., HUANG, X., **KUENZER, C.**, ZHU, H., JIANG, J., PAN, X., ZHONG, X., 2020: Chimney effect induced by smoldering fire in a U-shaped porous channel: A governing mechanism of the persistent underground coal fires, *Process Safety and Environmental Protection*, 136, 136-147

2019

- [118] UEREYEN, S., **KUENZER, C.**, 2019: A Review on Earth Observation Based Analyses for Major River Basins, *Remote Sensing*, 11 (24), 1-36
- [117] PALACIOS LOPEZ, D., BACHOFER, F., ESCH, T., HELDENS, W., HIRNER, A., MARCONCINI, M., SORICHETTA, A., ZEIDLER, J., **KUENZER, C.**, DECH, S., TATEM, A., REINARTZ, P., 2019: New Perspectives for Mapping Global Population Distribution Using World Settlement Footprint Products, *Sustainability*, 11 (21), 1-24
- [116] MAYR, S., **KUENZER, C.**, GESSNER, U., KLEIN, I., RUTZINGER, M., 2019: Validation of Earth Observation Time-series: A Review for Large-area and Temporally Dense Land Surface Products, *Remote Sensing*, 11, 1-34
- [115] BAUMHOER, C., DIETZ, A., KNEISEL, C., **KUENZER, C.**, 2019: Automated Extraction of Antarctic Glacier and Ice Shelf Fronts from Sentinel-1 Imagery Using Deep Learning, *Remote Sensing*, 11 (21), 1-22
- [114] ABDULLAHI, S., WESSEL, B., HUBER, M., WENDLEDER, A., ROTH, A., **KUENZER, C.**, 2019: Estimating penetration-related X-band InSAR elevation bias - A study over the Greenland ice sheet, *Remote Sensing*, 11 (24), 1-19
- **[113] KUENZER, C.**, HEIMHUBER, V., HUTH, J., DECH, S., 2019: Remote Sensing for the Quantification of Land Surface Dynamics in Large River Delta Regions - A Review. *Remote Sensing*, 11(17), 1-42
- [112] REINERMANN, S., GESSNER, U., ASAM, S., **KUENZER, C.**, DECH, S., 2019: The Effect of Droughts on Vegetation Condition in Germany: An Analysis Based on Two Decades of Satellite Earth Observation Time Series and Crop Yield Statistics. *Remote Sensing*, 11, 1-21
- [111] TSAI Y.-L. S., DIETZ, A., OPPELT, N., **KUENZER, C.**, 2019: Remote Sensing of Snow Cover Using Spaceborne SAR: A Review. *Remote Sensing*, 11 (1456), 1-44
- [110] TSAI Y.-L. S., DIETZ, A., OPPELT, N., **KUENZER, C.**, 2019: Combination of PROBA-V/MODIS-based Products with Sentinel-1 SAR Data for Detecting Wet and Dry Snow Cover in Mountainous Areas. *Remote Sensing*, 11 (16), 1-20
- [109] HU, Z., DIETZ, A., **KUENZER, C.**, 2019: Deriving Regional Snow Line Dynamics during the Ablation Seasons 1984–2018 in European Mountains, *Remote Sensing*, 11, 1-21
- [108] TSAI Y.-L. S., DIETZ, A., OPPELT, N., **KUENZER, C.**, 2019: Wet and Dry Snow Detection Using Sentinel-1 SAR Data for Mountainous Areas with a Machine Learning Technique, *Remote Sensing*, 11, 1-29
- [107] HU, Z., DIETZ, A., **KUENZER, C.**, 2019: The potential of retrieving snow line dynamics from Landsat during the end of the ablation seasons between 1982 and 2017 in European mountains, *International Journal of Applied Earth Observation and Geoinformation*, 78, 138-148

2018

- [106] BAUMHOER, C., DIETZ, A., DECH, S., **KUENZER, C.**, 2018: Remote Sensing of Antarctic Glacier and Ice-Shelf Front Dynamics - A Review, *Remote Sensing*, 10, 1-28
- [105] CLAUSS, K., OTTINGER, M., LEINENKUGEL, P., **KUENZER, C.**, 2018: Estimating rice production in the Mekong Delta, Vietnam, utilizing time series of Sentinel-1 SAR data, *International Journal of Applied Earth Observation and Geoinformation*, 2018 (73), 574-585
- [104] SYED, T. H., RIYAS, M. J., **KUENZER, C.**, 2018: Remote sensing of coal fires in India: A review, *Earth-Science Reviews*, 187, 338-355

- [103] ROTH, A., MARSCHALK, U., WINKLER, K., SCHÄTTLER, B., HUBER, M., GEORG, I., **KUENZER, C.**, DECH, S., 2018: Ten Years of Experience with Scientific TerraSAR-X Data Utilization, *Remote Sensing*, 10, 1-28
- [102] OTTINGER, M., CLAUSS, K., **KUENZER, C.**, 2018: Opportunities and Challenges for the Estimation of Aquaculture Production Based on Earth Observation Data. *Remote Sensing*, 10 (7), 1-24

2017

- [101] HU, Z., **KUENZER, C.**, DIETZ, A., DECH, S., 2017: The Potential of Earth Observation for the Analysis of Cold Region Land Surface Dynamics in Europe - A Review. *Remote Sensing*, 9 (10), 1-40
- [100] DA PONTE, E.; MACK, B., WOHLFART, C., RODAS, O., FLECKENSTEIN, M., OPPELT, N., **KUENZER, C.**, 2017: Assessing Forest Cover Dynamics and Forest Perception in the Atlantic Forest of Paraguay, Combining Remote Sensing and Household Level Data, *Forests*, 8 (10), 1-21
- [99] CLAUSS, K., OTTINGER, M., **KUENZER, C.**, 2017: Mapping rice fields with Sentinel-1 time-series and superpixel segmentation, *International Journal of Remote Sensing*, 39 (5), 1399-1420
- [98] OTTINGER, M., CLAUSS, K., **KUENZER, C.**, 2017: Large-Scale Assessment of Coastal Aquaculture Ponds with Sentinel-1 Time Series Data. *Remote Sensing*, 9 (440), 1-23
- [97] SUN, Z., LEINENKUGEL, P., GUO, H.; HUANG, C., **KUENZER, C.**, 2017: Extracting distribution and expansion of rubber plantations from Landsat imagery using the C5.0 decision tree method. *Journal of Applied Remote Sensing*, 11 (2), 1-21
- [96] HELBIG, C., DRANSCH, D., BÖTTINGER, M., DEVEY, C., HAAS, A., HLAWITSCHKA, M., **KUENZER, C.**, RINK, K., SCHÄFER-NETH, C., SCHEUERMANN, G., KWASNITSCHKA, T., UNGER, A., 2017: Challenges and strategies for the visual exploration of complex environmental data. *International Journal of Digital Earth*, 10 (10), 1070-1076
- [95] DIETZ, A.; FREY, C.; RUPPERT, T.; BACHMANN, M.; **KUENZER, C.**; DECH, S., 2017: Automated Improvement of Geolocation Accuracy in AVHRR Data using a two-step Chip Matching Approach – a Part of the TIMELINE Preprocessor. *Remote Sensing*, 9, 1-17
- [94] WOHLFART, C., MACK, B., LIU, G., **KUENZER, C.**, 2017: Multifaceted Land Cover and Land Use Change Analyses in the Yellow River Basin Based on Dense Landsat Time Series. *Applied Geography*, 85, 73-88
- [93] KLEIN, I., GESSNER, U., DIETZ, A., **KUENZER, C.**, 2017: Global WaterPack - A 250 m resolution dataset revealing the daily dynamics of global inland water bodies. *Remote Sensing of Environment*, 198, 345-362
- [92] DA PONTE, E., **KUENZER, C.**, PARKER, A., RODAS, O., OPPELT, N., FLECKENSTEIN, M., 2017: Forest Cover Loss in Paraguay and Approaches of the Ecosystem Service: a Case Study of the Upper Parana Forest. *Ecosystem Services*, 24, 200-212
- [91] KNAUER, K., GESSNER, U., FENSHOLT, R., FORKUOR, G., **KUENZER, C.**, 2017 Monitoring agricultural expansion in Burkina Faso over 14 years with 30m resolution time series: the Role of Population Growth and Implications for the Environment. *Remote Sensing*, 9, 2, 132
- [90] FREY, C.M., **KUENZER, C.**, DECH, S., 2017: Assessment of mono- and split-window approaches for time series processing of LST from AVHRR – a TIMELINE round robin. *Remote Sensing*, 9, 72
- [89] DIETZ, A., KLEIN, I., GESSNER, U., FREY, C., **KUENZER, C.**, DECH, S., 2017: Detection of Water Bodies from AVHRR Data – a TIMELINE Processor. *Remote Sensing*, 9, 57
- [88] SONG, Z., **KUENZER, C.**, 2017: Spectral reflectance (400-2500 nm) properties of coals, adjacent sediments, metamorphic and pyrometamorphic rocks in coal-fire areas: A case study of Wuda coalfield and its surrounding areas, northern China. *International Journal of Coal Geology*, 171, 142-152

- [87] DA PONTE CANOVA, E., ROCH, M., LEINENKUGEL, P., DECH, S., **KUENZER, C.**, 2017: Paraguay's Atlantic Forest Cover Loss - satellite-based change detection and fragmentation analysis between 2003 and 2013. *Applied Geography*, 79, 37-49
- [86] EISFELDER, C., KLEIN, I., BEKKULIYEVA, A., **KUENZER, C.**, BUCHROITHNER, M., DECH, S., 2017: Above-ground biomass estimation based on NPP time-series– A novel approach for biomass estimation in semi-arid Kazakhstan, *Ecological Indicators* 72, 13-22

2016

- [85] MACK, B., LEINENKUGEL, P., **KUENZER, C.**, DECH, S., 2016: A semi-automated approach for the generation of a new land use and land cover product for Germany based on Landsat time series and LUCAS in situ data. *Remote Sensing Letters*, 244-253
- [84] DAY, J., CHEN, Z., D'ELIA, C., FORBES, D., **KUENZER, C.**, KEMP, P., LANE, R., RAMACHANDRAN, R., SYVITSKI, J., YANEZ-ARANCIBIA, A., 2016: Approaches to Defining Deltaic Sustainability in the 21st Century. *Estuarine, Coastal and Shelf Science*, Vol. 183, 275-291
- [83] EISFELDER, C., KLEIN, I., BEKKULIYEVA, A., **KUENZER, C.**, BUCHROITHNER, M., DECH, S., 2016: Above-ground biomass estimation based on NPP time-series – a novel approach for biomass estimation in semi-arid Kazakhstan. *Ecological Indicators*, Vol. 72, 13-22
- [82] KNAUER, K., GESSNER, U., FENSHOLT, R., **KUENZER, C.**, 2016: An ESTARFM fusion framework for the improved generation of large scale time series in cloud prone and heterogeneous landscapes. *Remote Sensing*, 8, 425
- [81] WOHLFART, C., HUANG, C., LIU, G., **KUENZER, C.**, 2016: Social-ecological challenges in the Yellow River Basin (China): a review. *Journal of Environmental Earth Sciences*, 75, 1066
- [80] CLAUSS, K., YAN, H., **KUENZER, C.**, 2016: Mapping Paddy Rice in China from 2002 to 2014 with 2 MODIS time-series. *Remote Sensing*, 8, 434
- [79] HUTH, J., OTTINGER, M., LIU, G., EISFELDER, C., DECH, S., **KUENZER, C.**, 2016: Landnutzungswandel im Delta des Gelben Flusses – eine Fernerkundungsanalyse. In: *Geographische Rundschau*, 7-8, 36-43
- [78] SEBESVARI, S., RENAUD, F., HAAS, S., TESSLER, Z., KLOOS, J., SZABO, S., TEJEDOR, A., **KUENZER, C.**, 2016: Vulnerability indicators for deltaic social-ecological systems: a review. *Sustainability Science*, Vol. 11, 575-590
- [77] SEBESVARI, Z., FOUFOULA-GEORGIOU, E., HARRISON, I., BRONDIZIO, E., BUCX, T., DEARING, A., GANGULY, T., GOSH, D., GOODBRED, S., HAGENLOCHER, M., HAJRA, R., **KUENZER, C.**, MANSUR, A.V., MATTHEWS, Z., NICHOLLS, R.J., NIELSEN, K., OVEREEM, I., PURVAJA, R., RAHMAN, M., RAMESH, R., RENAUD, F.G., ROBIN, R.S., SUBBA REDDY, B., SINGH, G., SZABO, S., TESSLER, Z.D., van de GUCHTE, C., VOGT, N., WILSON, C.A., 2016: Imperatives for sustainable delta futures. *Brief for GSDR – 2016, Update*
- [76] WOHLFART, C., LIU, G., HUANG, C., **KUENZER, C.**, 2016: A River over the Course of Time - Multi-temporal Analyses of Land Surface Dynamics in the Yellow River Basin (China) based on medium Resolution Remote Sensing Data. *Remote Sensing*, 8, 186
- [75] OTTINGER, M., VO, Q.T., **KUENZER, C.**, 2016: Aquakultur im Mekong Delta: Segen oder Fluch? *Geographische Rundschau*, 2, 24-30
- [74] OTTINGER, M., CLAUSS, K., **KUENZER, C.**, 2016: Aquaculture: Relevance, Distribution, Impacts and Spatial Assessments. *Ocean and Coastal Management*. 119, 244-266
- [73] WOLTERS, M., SUN, Z., HUANG, C., **KUENZER, C.**, 2016: Environmental awareness and vulnerability in the Yellow River Delta: Results based on a comprehensive household survey. *Ocean & Coastal Management*, 120, 1-10

2015

- [72] DUY, N.B., CLAUSS, K., CAO, S., NAEIMI, V., **KUENZER, C.**, WAGNER, W., 2015: Mapping Rice Seasonality in the Mekong Delta with Multi-Year Envisat ASAR WSM Data. *Remote Sensing*, **2015**, 7, 15868–15893
- [71] MARTINIS, S., **KUENZER, C.**, WENDLEDER, A., HUTH, J., TWELE, A., ROTH, A., DECH, S., 2015: Comparing four different approaches for operational SAR-based water and flood detection. *International Journal of Remote Sensing*, Vol. 36 (13), 3519–3543
- **[70] KUENZER, C.**, KLEIN, I., ULLMANN, T., FOUFOULA-GEORGIOU, E., BAUMHAUER, R., DECH, S., 2015: Remote Sensing of River Delta Inundation: exploiting the Potential of coarse spatial Resolution, temporally-dense MODIS Time Series. *Remote Sensing*, 7, 8516-8542
- [69] WOLTERS, M., **KUENZER, C.**, 2015: Vulnerability Assessments of Coastal River Deltas – Categorization and Review. *Journal of Coastal Conservation*, Vol.19, 3, 345-368
- [68] DA PONTE, E., LEINENKUGEL, P., FLECKENSTEIN, M., PARKER, A., OPPELT, N., **KUENZER, C.**, 2015: Tropical Forest Cover Dynamics for Latin America using Earth Observation Data: A Review covering the continental, regional, and local scale. *International Journal of Remote Sensing*, Vol. 36, No. 12, 3196–3242
- [67] DIETZ, A., **KUENZER, C.**, DECH, S., 2015: Global SnowPack: a new set of snow cover parameters for studying status and dynamics of the planetary snow cover extent. *Remote Sensing Letters*, 6, 11, 844-853
- [66] LU, L., **KUENZER, C.**, WANG, C., GUO, H., LI, Q., 2015: Evaluation of three MODIS-derived Vegetation Index Time Series for Dryland Vegetation Dynamics Monitoring. *Remote Sensing*, 2015, 7, 7597-7614
- [65] VO, Q.T., **KUENZER, C.**, OPPELT, N., 2015: How remote sensing supports mangrove ecosystem service valuation: A case study in Ca Mau Province, Vietnam. *Ecosystem Services*, 14, 67-75
- [64] GESSNER, U.; MACHWITZ, M.; ESCH, T.; TILLACK, A.; NAEIMI, V.; **KUENZER, C.**; S. DECH, 2015: Multi-sensor mapping of West African land cover using MODIS, ASAR and TanDEM-X/TerraSAR-X data. *Remote Sensing of Environment*, Vol. 164, 282-297
- [63] SONG, S., **KUENZER, C.**, ZHANG, Z., JIA, Y., SUN, Y., ZHANG, J., 2015: Analysis of coal fire dynamics in the Wuda syncline impacted by fire-fighting activities based on in-situ observations and Landsat-8 remote sensing data. *International Journal of Coal Geology*, 141-142, pp. 91-102
- [62] CHEN, C., BÖRNICK, H., CAI, Q., DAI, X., JÄHNIG, S., KONG, Y., KREBS, P., **KUENZER, C.**, KUNSTMANN, H., LIU, Y., NIXDORF, E., PANG, Z., RODE, M., SCHUETH, C., SONG, Y., YUE, T., ZHOU, K., ZHANG, J., KOLDITZ, O., 2015: Challenges and opportunities of German-Chinese cooperation in water science and technology. *Environmental Earth Sciences*, 73, 8, 4861-4871
- [61] KLEIN, I., DIETZ, A., GESSNER, U., DECH, S., **KUENZER, C.**, 2015: Results of the Global WaterPack: a novel product to assess inland water body dynamics on a daily basis. *Remote Sensing Letters*, Vol. 6, No. 1, 78-87

2014

- [60] LEINENKUGEL, P., WOLTERS, M., OPPELT, N., **KUENZER, C.**, 2014: Tree cover and forest cover dynamics in the Mekong Basin from 2001 to 2011. *Remote Sensing of Environment*, 158, 376–392
- [59] DIETZ, A., CONRAD, C., **KUENZER, C.**, GESELL, G., DECH, S., 2014: Identifying Changing Snow Cover Characteristics in Central Asian between 1986 and 2014 from Remote Sensing Data. *Remote Sensing*, 6, 12752-12775
- [58] SONG, Z., **KUENZER, C.**, 2014: Coal fires in China over the last decade: A comprehensive review. *International Journal of Coal Geology*. 133, 72-99

- **[57] KUENZER, C.**, OTTINGER, M., LIU, G., SUN, B., DECH, S., 2014: Earth Observation-based Coastal Zone Monitoring of the Yellow River Delta: Dynamics in China's Second Largest Oil Producing Region over four Decades. *Applied Geography*, 55, 72-107
- **[56] KUENZER, C.**, OTTINGER, M., WEGMANN, M., GUO, H., WANG, C., ZHANG, J., DECH, S., WIKELSKI, M., 2014: Earth Observation Satellite Sensors for Biodiversity Monitoring: Potentials and Bottlenecks. *International Journal of Remote Sensing*, 35 (18), 6599-6647
- [55] KNAUER, K., GESSNER, U., DECH, S., **KUENZER, C.**, 2014: Remote sensing of vegetation dynamics in West Africa. *International Journal of Remote Sensing*, 35 (17), 6357–6396
- **[54] KUENZER, C.**, VAN BEIJMA, S., GESSNER, U., DECH, S., 2014: Land Surface Dynamics and environmental Challenges of the Niger Delta, Africa: Earth Observation based Analyses spanning three Decades (1986-2013). *Applied Geography*, 53, 354-368
- [53] LU, L., **KUENZER, C.**, GUO, H., LI, Q., LONG, T., LI, X., 2014: A Novel Land Cover Classification Map Based on MODIS Time-series in Xinjiang, China. *Remote Sensing*, 6, 3387-3408
- [52] LEINENKUGEL, P., OPPELT, N., **KUENZER, C.**, 2014: A new land cover map for the Mekong: Southeast Asia's largest transboundary river basin. *Pacific Geographies*, 41, 10-14
- **[51] KUENZER, C.**, LEINENKUGEL, P., VOLLMUTH, M., DECH, S., 2014: Comparing Global Land Cover Products – Implications for Geoscience Applications: An Investigation for the trans-boundary Mekong Basin. *International Journal of Remote Sensing*, Vol. 35 (8), 2752–2779
- **[50] KUENZER, C.**, 2014: Remote Sensing the Mekong. *International Journal of Remote Sensing*, 35 (8), 2747–2751
- [49] LEINENKUGEL, P., WOLTERS, M., **KUENZER, C.**, OPPELT, N., DECH, S., 2014: Sensitivity analysis for predicting continuous fields of tree-cover and fractional land-cover distributions in cloud-prone areas. *International Journal of Remote Sensing*, 35 (8), 2799–2821
- [48] FREY, C., **KUENZER, C.**, 2014: Land Surface Temperature Dynamics in the Upper Mekong Basin derived from MODIS Time Series. *International Journal of Remote Sensing*, 35 (8), 2780–2798
- [47] KLEIN, I., DIETZ, A.J., GESSNER, U., GALAYEVA, A., MYRZAKHMETOVA, A., **KUENZER, C.**, 2014: Evaluation of seasonal water body extents in Central Asia over the past 27 years derived from medium-resolution remote sensing data. *International Journal of Applied Earth Observation and Geoinformation*, 26, 335–349

2013

- [46] RENAUD, F., SYVITSKI, J.P.M., SEBESVARI, S., WERNERS, S., KREMER, H., **KUENZER, C.**, RAMACHANDRAN, R., JEUKEN, A., FRIEDRICH, J., 2014: Tipping from the Holocene to the Anthropocene: how threatened are major world deltas? *Current Opinion in Environmental Sustainability*, 5, 6, 644–654
- **[45] KUENZER, C.** VO, Q.T., 2013: Assessing the Ecosystem Services Value of Can Gio Mangrove Biosphere Reserve: Combining Earth-Observation- and Household-Survey-based Analyses, *Applied Geography*, 45, 167-184
- **[44] KUENZER, C.**, GUO, H., SCHLEGEL, I., VO, Q.T., LI, X., DECH, S., 2013: Scale and the Capability of Envisat ASAR-WSM, TerraSAR-X Scansar, and TerraSAR-X Stripmap Data to assess urban Flood Situations: A Case Study in Can Tho Province of the Mekong Delta, *Remote Sensing*, 5, 5122-5142
- [43] EISFELDER, C., KLEIN, I., NIKLAUS, M., **KUENZER, C.**, 2013: Net primary productivity in Kazakhstan, its spatio-temporal patterns and relation to meteorological variables. *Arid Environments*, 103, 17-30

- [42] EISFELDER, C., **KUENZER, C.**, DECH, S., 2013: Comparison of two Remote Sensing based Models for Regional Net Primary Productivity Estimation – a Case Study in Semi-arid Central Kazakhstan. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 6 (4), 1843-1856
- [41] OTTINGER, M., **KUENZER, C.**, LIU, G, WANG, S., DECH, S., 2013: Monitoring Land Cover Dynamics in the Yellow River Delta from 1995 to 2010 based on Landsat 5 TM. Applied Geography, 44, 53-68
- [40] LEINENKUGEL, P., **KUENZER, C.**, OPPELT, N., DECH, S., 2013: Characterisation of land surface phenology and land cover based on moderate resolution satellite data in cloud prone areas - a novel product for the Mekong Basin. Remote Sensing of Environment, 136, 180-198
- [39] **KUENZER, C.**, 2013, Field Note: Threatening Tonle Sap: Challenges for Southeast-Asia's largest Freshwater Lake, The Pacific Geographies (PG), 40, 29-31
- [38] **KUENZER, C.**, GUO, H., LEINENKUGEL, L., HUTH, J., LI, X., and S. DECH, 2013: Flood mapping and flood dynamics of the Mekong Delta: An ENVISAT-ASAR-WSM based Time Series Analyses, Remote Sensing 5, 687-715
- [37] NAEIMI, V., LEINENKUGEL, P., Sabel, D., Wagner, W., APEL, H., and **C. KUENZER**, 2013: Evaluation of Soil Moisture Retrieval from the ERS and Metop Scatterometers in the Lower Mekong Basin. Remote Sensing, 5, (4), 1603-1623
- [36] GESSNER, U., NIKLAUS, M., **KUENZER, C.**, and S. DECH 2013: Intercomparison of Leaf Area Index Products for a Gradient of Sub-Humid to Arid Environments in West Africa. Remote Sensing 5 (3), 1235-1257
- [35] DIETZ, A., **KUENZER, C.**, and C. CONRAD, 2013: Snow cover variability in Central Asia between 2000 and 2011 derived from improved MODIS daily snow cover products. International Journal of Remote Sensing, 34 (11), 3879-3902
- [34] **KUENZER, C.** and K. KNAUER., 2013: Remote Sensing of Rice Crop Areas – A Review. International Journal of Remote Sensing, 34 (6), 2101-2139
- [33] VO QUOC, T., OPPELT, N., and **C. KUENZER**, 2012: Remote Sensing in Mapping Mangrove Ecosystems - An Object-based Approach. Remote Sensing, 5, 1, 183-201
- [32] **KUENZER, C.**, CAMPBELL, I., ROCH, M., LEINENKUGEL, L., VO QUOC, T., and S. DECH: 2013: Understanding the Impacts of Hydropower Developments in the context of Upstream-Downstream Relations in the Mekong River Basin. Sustainability Science, 8 (4), 565-584

2012

- [31] EISFELDER, **C. KUENZER, C.**, DECH, S. and M. BUCHROITHNER, 2012: Comparison of two remote sensing based models for NPP estimation - a case study in Central Kazakhstan. IEEE Journal of Selected Topics in Applied Earth Observation and Remote Sensing, 6, 4, 1843 – 1856
- [30] LEINENKUGEL, P., **KUENZER, C.** and S. DECH, 2012: Comparison and enhancement of MODIS Cloud Mask Products for South East Asia. International Journal of Remote Sensing, 34 (8), 2730-2748
- [29] DIETZ, A., WOHNER, C., and **C. KUENZER**, 2012: European snow cover characteristics between 2000 and 2011 derived from improved MODIS daily snow cover products. Remote Sensing, 4, 2432-2454
- [28] KLEIN, I., GESSNER, U. and **C. KUENZER**, 2012: Regional land cover mapping in Central Asia using MODIS time series. Applied Geography, 35, 219-234
- [27] HUTH, J., **KUENZER, C.**, WEHRMANN, T., GEBHARDT, S., and S. DECH, 2012: Land Cover and Land Use Classification with TWOPAC: towards Automated Processing for Pixel- and Object-Based Image Classification. Remote Sensing, 4, 2530-2553

- [26] GESSNER, U., NAEIMI, V., KLEIN, I., **KUENZER, C.**, KLEIN, D. and S. DECH, 2012: The relationship between precipitation anomalies and satellite-derived vegetation activity in Central Asia. Submitted to Global and Planetary Change. Global Planetary Change, 110, 74-87
- **[25] KUENZER, C.**, ZHANG, J., SUN, Y., JIA, Y., and S. DECH, 2012: Coal fires revisited: the Wuda coal field in the aftermath of extensive coal fire research and accelerating extinction activities. International Journal of Coal Geology, 102, 75-86
- [24] GEBHARDT, S., HUTH, J., LAM DAO, N., ROTH, A., and **C. KUENZER**, 2012: A comparison of TerraSAR-X Quadpol backscattering with RapidEye multispectral vegetation indices over rice fields in the Mekong Delta, Vietnam. International Journal of Remote Sensing, 33 (24), 7644-7661
- [23] VO QUOC, T., **KUENZER, C.**, VO QUANG, M., MODER, F., and N. OPPELT, 2012: Review of Valuation Methods for Mangrove Ecosystem Services. Journal of Ecological Indicators, 23, 431-446
- [22] GSTAIGER, V., GEBHARDT, S., HUTH, J., WEHRMANN, T. and **C. KUENZER**, 2012: Multi-sensoral derivation of inundated areas using TerraSAR-X and ENVISAT ASAR data. International Journal of Remote Sensing, 33 (22), 7291-7304
- [21] FREY, C., **KUENZER, C.**, and S. DECH, 2012: Quantitative comparison of the operational NOAA AVHRR LST product of DLR and the MODIS LST product V005. International Journal of Remote Sensing, 33 (22), 7165-7183
- [20] DIETZ, A., **KUENZER, C.**, GESSNER, C., and S. DECH, 2012: Remote Sensing of Snow – a Review of available methods. International Journal of Remote Sensing, 33 (13), 4094-4134

2011

- **[19] KUENZER, C.** and STRACHER, G.B., 2011: Geomorphology of Coal Seam Fires. Geomorphology, 138, 209-222
- [18] LEINENKUGEL, P., ESCH, T. and **C. KUENZER**, 2011: Settlement detection and impervious surface estimation in the Mekong delta using optical and SAR data. Remote Sensing of Environment, 115, 12, 3007-3019
- **[17] KUENZER, C.**, BLUEMEL, A., GEBHARDT, S., VO QUOC, T., and S. DECH, 2011: Remote Sensing of Mangrove Ecosystems: A Review. Remote Sensing, 3, 878-928
- [16] EISFELDER, C., **KUENZER, C.** and DECH, S., 2011: Derivation of biomass information for semi-arid areas using remote-sensing data, International Journal of Remote Sensing, 33 (9), 2937-2984
- [15] DÜZGÜN, S., **KUENZER, C.**, and Ö. KARACAN, 2011: Applications of remote sensing and GIS of coal fires, mine subsidence, environmental impacts of coal mine closure and reclamation. In. International Journal of Coal Geology, Special Issue RS/GIS, 86 (1), 1-3
- [14] VAN DIJK, P., ZHANG, J., JUN, W., **KUENZER, C.** and K.H. WOLF, 2011: Assessment of the contribution of in-situ combustion of coal to greenhouse gas emission; based on a comparison of Chinese mining information to previous remote sensing estimates. International Journal of Coal Geology, Special Issue RS/GIS, 86, 108-119

2010

- [13] GEBHARDT, S., WEHRMANN, T., KLINGER, V., SCHETTLER, I., HUTH, J., **KUENZER, C.** and DECH, S., 2010: Improving data management and dissemination in web based information systems by semantic enrichment of descriptive data aspects, Computers & Geosciences, 36, 10, 1362-1373

2009

- **[12] KUENZER, C.**, ZHAO, D., SCIPAL, K., SABEL, D., NAEIMI, V., BARTALIS, Z., HASENAUER, S., MEHL, H., DECH, S., and WAGNER, W., 2009: El Niño southern oscillation influences represented in ERS scatterometer-derived soil moisture data. *Applied Geography*, 29 (4), 463-477
- **[11] WANG, J.**, ZHANG, J., RONCAT, A., **KUENZER, C.**, WAGNER, W., 2009: Regularizing method for the determination of the backscatter cross section in lidar data, In: *J. Opt. Soc. Am. A*, 26 (5), 1071-1079

2008

- **[10] ZHAO, D.**, **KUENZER, C.**, FU, C. and WAGNER, W., 2008: Evaluation of the ERS Scatterometer derived Soil Water Index to monitor water availability and precipitation distribution at three different scales in China. In: *Journal of Hydrometeorology*, 9, 549-562
- **[9] WESSLING, S.**, **KUENZER, C.**, KESSELS, W., and WUTTKE, M., 2008: Numerical modelling to analyze underground coal fire induced thermal surface anomalies. *International Journal of Coal Geology*, 74, 175-184
- **[8] KUENZER, C.**, HECKER, C., ZHANG, J., WESSLING, S. and WAGNER, W., 2008: The potential of multi-diurnal MODIS thermal bands data for coal fire detection. In: *International Journal of Remote Sensing*, 29 (3), 923-944
- **[7] KUENZER, C.**, BACHMANN, M., MUELLER, A., LIECKFELD, L. and WAGNER, W. 2008: Partial unmixing as a tool for single surface class detection and time series analysis. In: *International Journal of Remote Sensing*, 29 (11), 3233-3255.

2007

- **[6] ZHANG, J.** and **KUENZER, C.**, 2007: Thermal surface characteristics of coal fires 1: Results of in-situ measurements. *Journal of Applied Geophysics*, 63, 117-134
- **[5] ZHANG, J.**, **KUENZER, C.**, TETZLAFF, A., OETTL, D., ZHUKOV, B. and WAGNER, W., 2007: Thermal characteristics of coal fires 2: Results of measurements on simulated coal fires. *Journal of Applied Geophysics*, 63, 135-147
- **[4] KUENZER, C.**, ZHANG, J., LI, J., VOIGT, S., MEHL, H. and WAGNER, W., 2007: Detection of unknown coal fires: synergy of coal fire risk area delineation and improved thermal anomaly extraction. In: *International Journal of Remote Sensing*, 28 (20), 4561-4585
- **[3] KUENZER, C.**, ZHANG, J., TETZLAFF, A., VOIGT, S., VAN DIJK, P., WAGNER, W. and MEHL, H., 2007: Uncontrolled coal fires and their environmental impacts: Investigating two arid mining environments in north-central China. In: *Applied Geography*, 27, 42-62

2004

- **[2] ZHANG, X.**, ZHANG, J., **KUENZER, C.**, VOIGT, S. and WAGNER, W., 2004: Capability evaluation of 3-5µm and 8-12,5µm airborne thermal data for underground coalfire detection. In: *International Journal of Remote Sensing*, 25 (12), 2245-2258
- **[1] VOIGT, S.**, TETZLAFF, A., ZHANG, J., **KUENZER, C.**, ZHUKOV, B., STRUNZ, G., OERTEL, D., ROTH, A., VAN DIJK, P. and MEHL, H., 2004: Integrating Satellite Remote Sensing Techniques for Detection and Analysis of Uncontrolled Coal Seam Fires in North China. In: *International Journal of Coal Geology*, 59, 121-136.

Editorrollen von "Special Issues" in SCI Zeitschriften:

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ISBN Buchkapitel (peer reviewed):

- [42] **KUENZER, C.**, REINERS, P., ZHANG, J., DECH, S., 2024: Thermal Infrared Remote Sensing: Principles and Theoretical Background, Remote Sensing Handbook 2nd Edition: Volume II - Image Processing, Change Detection, GIS, and Spatial Data Analysis, 2, 96-116
- [41] MARTINIS, S., **KUENZER, C.**, TWELE, A., 2024: Flood studies using Synthetic Aperture Radar data, Remote Sensing Handbook 2nd Edition: Volume V - Water, Hydrology, Floods, Snow and Ice, Wetlands, and Water Productivity, 5, 135-175
- [40] PRAKASH, A., **KUENZER, C.**, PANDA, S. K., BADOLA, A., WAIGL, C. F., 2024: Remote Sensing-Based Mapping and Monitoring of Coal Fires, Remote Sensing Handbook 2nd Edition: Volume VI - Droughts, Disasters, Pollution, and Urban Mapping, 6, 309-336
- [39] DECH, S., CONRAD, C., **KUENZER, C.**, 2020: Geographische Fernerkundung – Neue Trends und Perspektiven, Geographie - Physische und Humangeographie, ISBN 978-3-662-58378-4, Springer Spektrum, 185-189
- [38] CHEN, C., MONTZKA, C., HUTH, J., **KUENZER, C.**, KUNSTMANN, H., YUE, T., KOLDITZ, O., 2019: Research Centre for Environmental Information Science (RCEIS). In: Yue T., Nixdorf E., Zhou C., Xu B., Zhao N., Fan Z., Huang X., Chen C., Kolditz O., 2019: Chinese Water Systems - Volume 3: Poyang Lake Basin. Terrestrial Environmental Sciences. ISBN 978-3-319-97724-9, Springer, 311-334
- [37] DECH, S., **KUENZER, C.**, DIEDRICH, E., SCHREIER, G., 2019: Erdbeobachtung. In: Ley, W., Wittmann, K., Hallmann, W., 2019: Handbuch der Raumfahrttechnik, ISBN 978-3-446-45429-3, Hanser, 547-569
- [36] IDE, S. T., **KUENZER, C.**, ORR, F., 2018: Estimating CO2 Emissions from Subsurface Coal Fires. In: Bartlett, D., Singh, R., 2018: Exploring Natural Hazards, A Case Study Approach. ISBN 978-1138054424, Chapman and Hall/CRC, 225-250
- [35] LUCAS, R., VAZQUEZ LULE, A., RODRIGUEZ, M.T., KAMAL, M., THOMAS, N., ASBRIDGE, E., **KUENZER, C.**, 2017: Spatial Ecology of Mangroves: A Remote Sensing Perspective. In: Mangrove Ecosystems: A Global Biogeographic Perspective Structure, Function and Services Springer Science. ISBN 978-3-319-62204-0, Springer Science, 87-112
- [34] **KUENZER, C.**, MODER, F., JASPERSEN, V., AHRENS, M., FABRITIUS, M., FUNKENBERG, T., VO, K.T., TRINH, T.L., LAM, D.N., DECH, S., 2015: A Water related Information System for the Sustainable Development of the Mekong Delta: Experiences of the German-Vietnamese WISDOM Project. In: Borchardt D, Bogardi J, Ibisch R (eds), 2015: Integrated Water Resources Management: Concept, Research and Implementation. ISBN 978-3-319-25069-4, Springer, Netherlands, 377-412
- [33] MARTINIS, S., **KUENZER, C.**, TWELE, A., 2015: Flood studies using Synthetic Aperture Radar data. In: Thenkabail, P.: Remote Sensing Handbook, Vol. II, II, Remote Sensing of Water Resources, Disasters, and Urban Studies, ISBN 9781482217919, Taylor and Francis Group, Delaware, USA, 145-177
- [32] **KUENZER, C.**, ZHANG, J., DECH, S., 2015: Thermal Infrared Remote Sensing: Principles and Theoretical Background. In: Thenkabail, P.: Remote Sensing Handbook, Vol. II, II, Remote Sensing of Water Resources, Disasters, and Urban Studies, ISBN 9781482217919, Taylor and Francis Group, Delaware, USA, 259-277

- [31] PRAKASH, A., **KUENZER, C.**, 2015: Remote Sensing Based Mapping and Monitoring of Coal Fires. In: Thenkabail, P.: Remote Sensing Handbook, Vol. II , II, Remote Sensing of Water Resources, Disasters, and Urban Studies, ISBN 9781482217919 , Taylor and Francis Group, Delaware, USA, 561-581
- [30] **KUENZER, C.**, DECH, S., WAGNER, W., 2015: Remote Sensing Time Series Revealing Land Surface Dynamics: Status Quo and the Pathway Ahead. In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6, Springer, The Netherlands, 1-24
- [29] **KUENZER, C.**, HUTH, J., MARTINIS, S., LU, L., DECH, S., 2015: SAR Time Series for the Analysis of Inundation Patterns in the Yellow River Delta, China. In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6 Springer, The Netherlands, 427-441
- [28] EISFELDER, C., **KUENZER, C.**, 2015: Investigating Fourteen Years of Net Primary Productivity Based on Remote Sensing Data for China. In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6, Springer, The Netherlands, 268-288
- [27] DIETZ, A.J., **KUENZER, C.**, DECH, S., 2015: Analysis of Snow Cover Time Series – Opportunities and Techniques. . In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6, Springer, The Netherlands, 75-99
- [26] KLEIN, I., DIETZ, A., GESSNER, U., **KUENZER, C.**, 2015: Global WaterPack: Intra-Annual Assessment of Spatio-Temporal Variability of Inland Water Bodies. In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6, Springer, The Netherlands, 99-119
- [25] FREY, C., **KUENZER, C.**, 2015: Analysing a 13 years MODIS Land Surface Temperature Time Series in the Mekong Basin. In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6, Springer, The Netherlands, 119-141
- [24] GESSNER, U., KNAUER, K., **KUENZER, C.**, DECH, S., 2015: Land Surface Phenology in a West African Savanna: Impact of Land Use, Land Cover and Fire. In: Kuenzer, C., Dech, S., Wagner, W. (eds.), 2015: Remote Sensing Time Series Analyses revealing Land Surface Dynamics. ISBN 978-3-319-15967-6, Springer, The Netherlands, 203-225
- [23] KLEIN, I., GESSNER, U., **KUENZER, C.**, 2014: Generation of Up-to-Date Land Cover Maps for Central Asia. 2014. In: L. Mueller et al. (eds.), Novel Measurement and Assessment Tools for Monitoring and Management of Land and Water Resources in Agricultural Landscapes of Central Asia, Environmental Science and Engineering, ISBN 978-3-319-01016-8, Springer International Publishing Switzerland, 329-246
- [22] **KUENZER, C.**, GUO, H., OTTINGER, M., and S. DECH, 2013: Spaceborne Thermal Infrared Observation - An Overview of Most Frequently Used Sensors for Applied Research. In (eds.) Kuenzer, C. and S. Dech 2013: Thermal Infrared Remote Sensing – Sensors, Methods, Applications. Remote Sensing and Digital Image Processing Series, Volume 17, 572 pp., ISBN 978-94-007-6638-9, 131-148
- [21] **KUENZER, C.**, GESSNER, U., and W. WAGNER, 2013: Deriving Soil Moisture from thermal Infrared Satellite Data – Synergies with Microwave Data. . In (eds.) Kuenzer, C. and S. Dech 2013: Thermal Infrared Remote Sensing – Sensors, Methods, Applications. Remote Sensing and Digital Image Processing Series, Volume 17, 572 pp., ISBN 978-94-007-6638-9, Springer, The Netherlands, 315-330
- [20] **KUENZER, C.** ZHANG, J., TETZLAFF, A., and S. DECH, 2013: Thermal Infrared Remote Sensing of Surface and underground Coal Fires. . In (eds.) Kuenzer, C. and S. Dech 2013: Thermal Infrared Remote Sensing – Sensors, Methods, Applications. Remote Sensing and Digital Image Processing Series, Volume 17, 572 pp., ISBN 978-94-007-6638-9, Springer, The Netherlands, 429-451

- [19] **KUENZER, C.** and S. DECH, 2013: Theoretical Background of Thermal Infrared Remote Sensing. In (eds.) Kuenzer, C. and S. Dech 2013: Thermal Infrared Remote Sensing – Sensors, Methods, Applications. Remote Sensing and Digital Image Processing Series, Volume 17, 572 pp., ISBN 978-94-007-6638-9, Springer, The Netherlands, 1-26
- [18] FREY, C., **KUENZER, C.**, DECH, S., 2013: In (eds.) Kuenzer, C. and S. Dech 2013: Thermal Infrared Remote Sensing – Sensors, Methods, Applications. Remote Sensing and Digital Image Processing Series, Volume 17, 572 pp., ISBN 978-94-007-6638-9, Springer, The Netherlands, 215-231
- [17] **KUENZER, C.**, 2013: Remote and in-situ mapping of Coal Fires: Case Studies from China and India. In: Stracher, G.B., Sokol, E.V., and Prakash, A., eds., Coal and Peat Fires: A Global Perspective, Volume 3: Case Studies - Coal Fires, ISBN: 978-0-444-59509-6, Elsevier, 57-91
- [16] STRACHER, G.B., SCHROEDER, P., WHITE, Y., and **KUENZER, C.**, 2014: Coal Combustion and Mineralization in the Helen Shan Mountains of Northern China, In: Stracher, G.B., Sokol, E.V., and Prakash, A., eds., Coal and Peat Fires: A Global Perspective, Volume 3: Case Studies - Coal Fires, ISBN: 978-0-444-59509-6, Elsevier, 95-108
- [15] STRACHER, G.B., **KUENZER, C.**, HECKER, C., ZHANG, J., SCHROEDER, P.A., and McCORMACK, J.K., 2012: Wuda and Rugigou Coalfield Fires of Northern China *in* Stracher, G.B., Prakash, A., and Sokol, E.V., eds., Coal and Peat Fires: A Global Perspective, Volume 2: Photographs and Multimedia Tours, ISBN 978-0444594129, Elsevier, 41-65
- [14] **KUENZER C.** and RENAUD, F. 2012: Climate Change and Environmental Change in River Deltas Globally. In (eds.): Renaud, F. and C. Kuenzer 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta, ISBN: 978-94-007-3961-1, Springer, The Netherlands, 7-48
- [13] RENAUD F. and **KUENZER, C.** 2012: Introduction. In (eds.): Renaud, F. and C. Kuenzer 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta. Springer, ISBN: 978-94-007-3961-1, 3-6
- [12] RENAUD F. and **KUENZER, C.** 2012: The water-development nexus: importance of knowledge, information and cooperation in the Mekong Delta. In (eds.): Renaud, F. and C. Kuenzer 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta. ISBN: 978-94-007-3961-1, Springer, The Netherlands, 445-458
- [11] MODER, F., **KUENZER C.**, XU, Z., LEINENKUGEL, P. and BUI VAN, Q. 2012: IWRM for the Mekong Basin. In (eds.): Renaud, F. and C. Kuenzer 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta. ISBN: 978-94-007-3961-1, Springer, The Netherlands, 133-166
- [10] KLINGER, V., WEHRMANN, G., GEBHARDT, G., and **C. KUENZER,** 2012: A Water related Web-based Information System for the Sustainable Development of the Mekong Delta . In (eds.): Renaud, F. and C. Kuenzer 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta. ISBN: 978-94-007-3961-1, Springer, The Netherlands, 423-444
- [9] GEBHARDT, S., NGUYEN, L.D. and **C. KUENZER.** 2012: Mangrove ecosystems in the Mekong Delta. Overcoming uncertainties in inventory mapping using satellite remote sensing data. In (eds.): Renaud, F. and C. Kuenzer 2012: The Mekong Delta System - Interdisciplinary Analyses of a River Delta. ISBN: 978-94-007-3961-1, Springer, The Netherlands, 315-330
- [8] DEKKER, R., **KUENZER, C.**, NIEMEYER, I., LACROIX, V., and STINGA, E., 2009: Change Detection Tools. In: Eds.: JASANI, B., PESARI, M., SCHNEIDERBAUER, S., and ZEUG, G., 2009: Remote Sensing from Space - Supporting International Peace and Security, VI, 246 pp., ISBN: 978-1-4020-8483-6, Springer, The Netherlands, 119-141
- [7] **KUENZER, C.**, ZHANG, J., HIRNER, A., BO, Y., JIA, Y. and SUN, Y., 2008: Multitemporal in-situ mapping of the Wuda coal fires from 2000 to 2005 – assessing coal fire dynamics. In: UNESCO Beijing, 2008, Spontaneous coal seam fires: mitigating a global disaster. ERSEC ecological book series, 4, 602 pp., ISBN 978-7-302-17140-9, Tsinghua University Press/Springer, 132-148.
- [6] **KUENZER, C.**, ZHANG, J., TETZLAFF, A. VOIGT, S. and WAGNER, W., 2008: Automated demarcation, detection and quantification of coal fires in China using remote sensing data. In:

UNESCO Beijing, 2008, Spontaneous coal seam fires: mitigating a global disaster. ERSEC ecological book series, Vol. 4, 602 pp., ISBN 978-7-302-17140-9, Tsinghua University Press/Springer, 362-380.

- [5] YANG, B., LI, J., CHEN, Y., ZHANG, J. and **C. KUENZER**, 2008: Automated detection and extraction of surface cracks from high resolution Quickbird imagery. In: UNESCO Beijing, 2008, Spontaneous coal seam fires: mitigating a global disaster. ERSEC ecological book series, 4, 602 pp., ISBN 978-7-302-17140-9, Tsinghua University Press/Springer, 381-389.
- [4] **KUENZER, C.**, ZHANG, J., VOIGT, S. and WAGNER, W., 2007: Remotely sensed land-cover changes in the Wuda and Rugigou-Gulaben coal mining areas China. In: Stracher, G.B. (Ed.) Geology of Coal Fires: Case Studies from Around the World, Reviews in Engineering Geology, v. XVIII, ISBN 978-0813741185, Geological Society of America, 219-228
- [3] HECKER, C., **KUENZER, C.**, and ZHANG, J., 2007: Remote sensing based coal fire detection with low resolution MODIS data. In: Stracher, G.B. (Ed.) Geology of Coal Fires: Case Studies from Around the World, Reviews in Engineering Geology, v. XVIII, ISBN 978-0813741185, Geological Society of America, 229-239
- [2] **KUENZER, C.**, 2007: Coal Mining in China. In: Schumacher-Voelker, E., and Mueller, B., (Eds.), 2007: BusinessFocus China, Energy: A Comprehensive Overview of the Chinese Energy Sector. 281 pp., ISBN: 978-3-940114-00-6, gic Deutschland Verlag, 62-68
- [1] VOIGT, S., RIEDLINGER, T., REINARTZ, P., **KUENZER, C.**, KIEFL, R. KEMPER, T. and MEHL, H., 2005: Experience and perspective of providing satellite based crisis information, emergency mapping and disaster monitoring information to decision makers and relief worker. In: Oosterom, P.v., Zlatanova, S and E.M. Fendel (Eds.), 2005: Geo-information for disaster management, 1427 pp., Springer, The Netherlands, 519-533

Konferenzbeiträge (mit Abstract)

2024

- ALVAREZ, K., GRIFMAN, P., BACHOFER, F., **KUENZER, C.**, 2024: Identifying place-based research priorities on climate-induced human mobility in the United States, 40th Annual Meeting of the German Working Group "Geography of the Seas and Coasts", 13-15 June 2024, Heidelberg, Germany
- ALVAREZ, K., REINERS, P., OBRECHT, L., HOLZWARTH, S., **KUENZER, C.**, 2024: Sea Surface Temperature at 1 km spatial Resolution between 1990 and 2022 for the Baltic and North Sea: Insights from the new TIMELINE AVHRR SST Product, ICYMARE 2024, 16-20 Sept. 2024, Bremen, Germany
- BACHOFER, F., LAPPE, R., NGUYEN, H. K., NGUYEN, D. G., SOGNO, P., ULLMANN, T., **KUENZER, C.**, 2024: Coastal Dynamics of Thua Thien Hue, Vietnam: Insights from 35 Years of Earth Observation Data, EGU General Assembly 2024, 14-19 April 2024, Vienna, Austria
- FOKENG MELI, R., BACHOFER, F., SOGNO, P., KLEIN, I., UEREYEN, S., **KUENZER, C.**, 2024: Reconstructing daily and seasonal surface water dynamics in Lake Chad with Global WaterPack Time Series, EGU General Assembly 2024, 14-19 April 2024, Vienna, Austria
- KACIC, P., GESSNER, U., HOLZWARTH, S., THONFELD, F., **KUENZER, C.**, 2024: Assessing experimental silvicultural treatments enhancing structural complexity in a Central European forest based on Sentinel-1 and -2, Data Pool Initiative Meeting 2024, 17-19 June 2024, Neuschönau, Germany
- OTTINGER, M., BACHOFER, F., KLEIN, I., HUTH, J., **KUENZER, C.**, 2024: Advancing Coastal Aquaculture Insights: a Multi-Sensor Approach Using Earth Observation Time Series Data to Delineate Pond Aquaculture Dynamics, IGARSS 2024 - 2024 IEEE International Geoscience and Remote Sensing Symposium, 07-12 July 2024, Athen, Greece

- REINERMANN, S., SCHUCKNECHT, A., GESSNER, U., ASAM, S., KIESE, R., **KUENZER, C.**, 2024: Annual grassland yields estimation based on Sentinel-2 time series, 43rd ERASeL Symposium, 17-20 June 2024, Manchester, UK
- REINERS, P., HOLZWARTH, S., **KUENZER, C.**, 2024: Evaluation of the Daytime corrected AVHRR Land Surface Temperature Time Series, 13th ERASeL Workshop on Imaging Spectroscopy 2024, 16-18 April 2024, Valencia, Spain
- REINERS, P., HOLZWARTH, S., SOBRINO, J., **KUENZER, C.**, 2024: Long-term Trends of Land Surface Temperature over Europe derived from a daytime normalized AVHRR Time Series, 7th International Symposium on Recent Advances in Quantitative Remote Sensing (RAQRS VII), 23-27 Sept. 2024, Valencia, Spain
- REINERS, P., OBRECHT, L., DIETZ, A., HOLZWARTH, S., **KUENZER, C.**, 2024: Exploring Long-Term Trends and Anomalies in Coastal Sea Surface Temperature Using AVHRR Data, 43rd ERASeL Symposium, 17-20 June 2024, Manchester, UK
- SOGNO, P., KLEIN, I., UEREYEN, S., BACHOFER, F., **KUENZER, C.**, 2024: Exploring Trends, Patterns, and Drivers of African Surface Water Dynamics, EGU General Assembly 2024, 14-19 April 2024, Vienna, Austria
- THONFELD, F., HOLZWARTH, S., KACIC, P., GESSNER, U., JAGGY, N., WEGLER, M., COLEMAN, K., **KUENZER, C.**, SEITZ, R., STRAUB, C., WALLNER, A., GONZALEZ, J., DATTA, P., CHMARA, S., WERNICKE, J., ADLER, P., BECKSCHÄFER, P., 2024: Monitoring recent forest dynamics in Germany, Monitoring European forest and arctic tundra dynamics using satellite data, 19. March 2024, Wageningen, Niederlande.
- THONFELD, F., HOLZWARTH, S., KACIC, P., GESSNER, U., JAGGY, N., WEGLER, M., COLEMAN, K., **KUENZER, C.**, SEITZ, R., STRAUB, C., WALLNER, A., GONZALEZ, J., DATTA, P., CHMARA, S., WERNICKE, J., ADLER, P., BECKSCHÄFER, P., 2024: Monitoring von Wäldern in Deutschland für Klimaresilienz und Nachhaltigkeit, Potentiale der Fernerkundung für den Natürlichen Klimaschutz, 27-29 Feb. 2024, Bonn, Germany

2023

- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2023: Antarctic ice shelf front dynamics between 2015 and 2023, EGU General Assembly 2023, 23-28 April 2023, Vienna, Austria
- GESSNER, U., WENZL, M., HIRNER, A., KRIESE, J., REINERMANN, S., ASAM, S., **KUENZER, C.**, 2023: Satellite-based detection of land management and landscape structures in agroecosystems, International Symposium on Remote Sensing of Environment, 24.-28. April 2023, Antalya, Turkey
- KACIC, P., **KUENZER, C.**, 2023: Spectral Diversity Methoden der Fernerkundung für das Monitoring von Biodiversität in Wäldern, Nutzerkonferenz Copernicus Netzwerkbüro Wald, 28-30 March 2023, Braunschweig, Germany
- KACIC, P., THONFELD, F., GESSNER, U., **KUENZER, C.**, 2023: Characterizing Recent Forest Structure Dynamics in Germany Based on GEDI, Sentinel-1 and Sentinel-2, DataPool Initiative Meeting 2023, Horska Kvilda, Czech Republic
- KACIC, P., THONFELD, F., GESSNER, U., **KUENZER, C.**, 2023: Assessing recent forest structure dynamics in Germany (2017-2022) based on GEDI, Sentinel-1 and Sentinel-2, ISRSE 2023, 24-28 April 2023, Antalya, Turkey
- KÖHLER, J., DIETZ, A. J., RÖBLER, S., **KUENZER, C.**, 2023: The Potential of Earth Observation to Assess the Impact of Climate Change on the Alpine Snow Line Elevation, 6th VAO Symposium, 21.-23. March 2023, Grainau, Germany
- REINERMANN, S., ASAM, S., GESSNER, U., **KUENZER, C.**, 2023: Satellite-based detection of grassland management to support large-scale biodiversity assessment, ISRSE 2023, 24-28 April 2023, Turkey

2022

- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2022: IceLines - Monitoring Antarctic ice shelf front dynamics with Sentinel-1, ESA Living Planet Symposium, 23–27 May 2022, Bonn, Germany
- BAUMHOER, C., DIETZ, A., HEIDLER, K., **KUENZER, C.**, 2022: IceLines – A new service to monitor Antarctic ice shelf front dynamics, EGU, 23–27 May 2022, Vienna, Austria
- DIRSCHERL, M., DIETZ, A., **KUENZER, C.**, 2022: Artificial intelligence for the monitoring of Antarctic supraglacial lake dynamics in 2015-2021 using Sentinel-1 SAR and optical Sentinel-2 data, EGU, 23–27 May 2022, Vienna, Austria
- GESSNER, U., REINERMANN, S., ASAM, S., VARVARIS, I., LOULLI, E., BACHOFER, F., HADJIMITSIS, D. G., **KUENZER, C.**, 2022: Monitoring drought events in Germany and Cyprus using more than 20 years of MODIS data, EARSeL Symposium, 13-16 Sep. 2022, Paphos, Cyprus
- HÖSER, T., **KUENZER, C.**, 2022: SyntEO: Synthetic training data generation for offshore wind energy infrastructure detection in Sentinel-1 imagery, ECMWF-ESA Workshop on Machine Learning for Earth Observation and Prediction, 14-17 Nov. 2022, Reading, United Kingdom
- REINERS, P., HOLZWARTH, S., ASAM, S., GESSNER, U., **KUENZER, C.**, 2022: Long-term Dynamics of Land Surface Temperature over Europe: Towards a Daytime normalized AVHRR Land Surface Temperature Product, RAQRS VI, 19-23 Sept. 2022, Valencia, Spain
- THONFELD, F., GESSNER, U., HOLZWARTH, S., KRIESE, J., DA PONTE, E., HUTH, J., **KUENZER, C.**, 2022: Tree canopy cover loss in Germany after the 2018-2020 drought years, 2. Jenaer Earth Observation & GIScience Tagung, 22 April 2022, Jena, Germany
- THONFELD, F., GESSNER, U., HOLZWARTH, S., KRIESE, J., DA PONTE, E., **KUENZER, C.**, 2022: Recent forest cover loss in Germany after the 2018-2020 drought years, ESA Living Planet Symposium, 23.-27. May 2022, Bonn, Germany

2021

- YESOU, H., DUAN, H., HUTH, J., CHENG, Y., NIU, Z., BRIANT, J., LOISELLE, S., WIKELSKI, M., WANG, Y., CAO, L., QI, S., **KUENZER, C.**, CHEN, X., 2021: New Earth Observations Tools for Water Resource and Quality Monitoring in Yangtze Wetlands and Lakes, DRAGON 4 Final Symposium, 19.-23. July 2021, virtual Event
- MAYR, S., KLEIN, I., MARTIN, R., **KUENZER, C.**, 2021: Uncertainty Estimation for a Global Inland Surface Water Time-Series, EGU General Assembly 2021, 19-30 April 2021, Vienna, Austria
- UEREYEN, S., BACHOFER, F., HUTH, J., **KUENZER, C.**, 2021: Synergetic analyses of Earth observation time series on land surface dynamics in large river basins, EGU 2021, Vienna, Austria

2020

- DIRSCHERL, M., DIETZ, A., BAUMHOER, C., KNEISEL, C., **KUENZER, C.**, 2020.: Automated mapping of Antarctic supraglacial lakes and streams using machine learning, EGU 2020, 4-8 May 2020, Vienna, Austria
- REINERS, P., ASAM, S., FREY, C., SOBRINO, J., SKOKOVIC, D., GÖTTSCHE, F.-J., BENDIX, J., **KUENZER, C.**, 2020: Multi-decadal assessment of the TIMELINE AVHRR Land Surface Temperature product with MODIS and in situ LST, 6th RECENT ADVANCES IN QUANTITATIVE REMOTE SENSING Symposium, Valencia, Spain

2019

- LEINENKUGEL, P., HUTH, J., OTTINGER, M., JASPERSEN, V., KLEIN, D., **KUENZER, C.**, 2019: Potentials of Earth Observation for Water Resources Management - Examples from the Catch-Mekong Project, Pecora 21 - ISRSE 38, 6-11 October 2019, Baltimore, Maryland, USA.
- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2019: Automatic mapping of Antarctic glacier and ice shelf fronts from Sentinel-1 imagery – A deep learning approach, AGU 2019, 9-14 Dec. 2019, San Francisco, USA
- OTTINGER, M., CLAUSS, K., LEINENKUGEL, P., **KUENZER, C.**, 2019: Copernicus Sentinel Data for Supporting the Estimation of Aquaculture Production in Coastal Regions. ESA Living Planet Symposium 2019, 13-17 May 2019, Milano, Italy
- LEINENKUGEL, P., CLAUSS, K., OTTINGER, M., **KUENZER, C.**, 2019: Seasonal Paddy Rice Production Estimation Derived from Copernicus Sentinel-1 Time Series. ESA Living Planet Symposium 2019, 13-17 May 2019, Milano, Italy
- TSAI Y.-L. S., DIETZ, A., **KUENZER, C.**, OPPELT, N., 2019: Mapping of Wet and Dry Snow Cover in Mountain Regions Relying on Sentinel-1 SAR Data with a Machine Learning Approach. ESA Living Planet Symposium, 13-17 May 2019, Milano, Italy
- YESOU, H., HUTH, J., BRIANT, J., WANG, Y., CHEN, X., **KUENZER, C.**, 2019: Sentinel Constellation for High Resolution Lakes and Wetland Mapping on the Yangtze Intermediate Basin. Case of Poyang, Dongting and Anhui Province Lakes. ESA-MOST Dragon 4 Symposium 2019, 24-28 June 2019, Ljubljana, Slovenia
- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2019: Towards an automatic delineation of Antarctic glacier and ice shelf fronts from Sentinel-1 imagery, EGU 2019, 7-12 Apr. 2019, Vienna, Austria

2018

- DA PONTE, E., FLECKENSTEIN, M., OPPELT, N., HUTH, J., **KUENZER, C.**, 2018: Forest Cover loss in Paraguay: Earth Observation Analysis for Deforestation Policies, EARSeL Symposium 38, Crete, Greece
- DIETZ, A., **KUENZER, C.**, 2018: Remote sensing of global snow cover, International Symposium on Regional Reanalysis, 17.-19. Jul. 2018, Bonn, Germany
- DIETZ, A., **KUENZER, C.**, 2018: Remote sensing of snow cover in mountainous regions, International Snow Science Workshop, 7.-12.10.2018, Innsbruck, Austria
- GESSNER, U., ESCH, T., DIETZ, A., LEINENKUGEL, P., **KUENZER, C.**, 2018: Potential and Challenges of Earth Observation Time Series for the Analysis of Global Change, 38th Annual EARSeL Symposium, 9.-12. Jul. 2018, Chania, Greece
- GESSNER, U., KLEIN, I., HIRNER, A., **KUENZER, C.**, 2018: Crop type mapping in Southern Germany using the full annual Landsat archive and LUCAS in-situ data, 38th Annual EARSeL Symposium, 9.-12. Jul. 2018, Chania, Greece
- HUTH, J., KLEIN, I., GESSNER, U., EISFELDER, C., LEINENKUGEL, P., YESOU, H., **KUENZER, C.**, 2018: Advantages of Sentinel-1 Time Series for Monitoring Large Wetlands – a Study of Dongting Lake in China, 38th EARSeL Symposium, 9.-12. Juli 2018, Chania, Greece.
- HUTH, J., COLIN, J., WANG, Y., **KUENZER, C.**, 2018: Sentinel-1 for High Resolution Wetland Mapping, ESA Dragon 4 Midterm-Symposium, 19.-22. Juni 2018, Xi'An, China
- JASPERSEN, V., FABRITIUS, M., AHRENS, M., HUTH, J., LEINENKUGEL, P., **KUENZER, C.**, 2018: A Web-based Environmental Information and Visualization System for Interdisciplinary Project Contexts: An Insight, EnvirolInfo 2018, 5.-7. Sept. 2018, Garching, Germany
- CLAUSS, K., OTTINGER, M., LEINENKUGEL, P., **KUENZER, C.**, 2018: Estimating Paddy Rice Production and Cropping Intensification in the Mekong Delta, Vietnam. 38th EARSeL Symposium, 9-12 Jul 2018, Chania, Greece

- OTTINGER, M., CLAUSS, K., LEINENKUGEL, P., **KUENZER, C.**, 2018: Earth Observation for the Assessment of Pond Aquaculture in Coastal Asia - Status and Future Potentials. 38th EARSeL Symposium, 9-13 Jul 2018, Chania, Greece
- **KUENZER, C.**, KLEIN, I., 2018: The Potential of Earth Observation for the Analysis of River Deltas and the Coastal Zone. ASLO 2018 - Water connects, 10-15 Jun 2018, Victoria, Canada
- CLAUSS, K., OTTINGER, M., LEINENKUGEL, P., **KUENZER, C.**, 2018: Land Cover / Land Use Mapping in the Mekong Delta, Vietnam, with focus on pond aquaculture and paddy rice utilizing time series of Copernicus Sentinel data. European Geosciences Union. EGU General Assembly 2018, 8-13 Apr 2018, Vienna, Austria
- KUMAR, A. P., OTTINGER, M., CLAUSS, K., LEINENKUGEL, P., **KUENZER, C.**, 2018: Connected Component Segmentation for the extraction of Aquaculture ponds along India Coast using time series Sentinel-1 SAR data. EGU General Assembly 2018, 8. -13. April 2018, Vienna, Austria
- KUSCHE, J., DÖLL, P., BOLCH, T. und VAN DAM, T., DETTMERING, D., EICKER, A., NGELS, O., FOGLIA, L., GESSNER, U., GÜNTNER, A., **KUENZER, C.**, MÜLLER SCHMIED, H., SEITZ, F., SNEEUW, N. und TOURIAN, M., 2018: The GlobalCDA Project - Understanding the global freshwater system by combining geodetic and remote sensing information with modelling, using a calibration/data assimilation approach. EGU General Assembly 2018, 8-13 April 2018, Vienna, Austria
- KLEIN, I., GESSNER, U., HIRNER, A., DIETZ, A., DECH, S., **KUENZER, C.**, 2018: A surface water body dataset with daily temporal resolution: Selected examples and application potential of the Global WaterPack. Mapping Water Bodies from Space Conference 2018, 27-28. Feb. 2018, Frascati, Italy

2017

- DA PONTE, E., FLECKENSTEIN, M., PARKER, A., OPPELT, N., **KUENZER, C.**, 2017: Paraguay's Atlantic Forest Cover Dynamics and Ecosystem Services Perception; a household survey case study. Conference of the International Union of Forest Research Organizations, 18.-22. Sep 2017, Freiburg, Germany
- DIETZ, A., **KUENZER, C.**, DECH, S., 2017: Time Series Analysis of Global Daily Snow Cover Extents Derived from Medium Resolution Remote Sensing Data, Global SnowPack. 37th International Symposium on Remote Sensing of Environment, 8.-12. Mai 2017, Tshwane, South Africa
- GESSNER, U., KLEIN, I., DECH, S., **KUENZER, C.**, 2017: Dynamics of global wetlands reflected in the daily time series product Global WaterPack. ISRSE 2017, 8 - 12 May, Tshwane, South Africa
- HUTH, J., WANG, Y., CHENG, Y., YESOU, H., **KUENZER, C.**, 2017: The Potential of Earth Observation Time Series for the Assessment of Wetland and Water Shed Dynamics. ESA Dragon 4 Symposium 2017, 24.-30. Juni 2017, Kopenhagen, Dänemark
- CLAUSS, K., OTTINGER, M., WAGNER, W., **KUENZER, C.**, 2017: Mapping Paddy Rice in Asia. ISRSE-37, 8-12 May 2017, Tshwane, South Africa.
- CLAUSS, K., OTTINGER, M., WAGNER, W., **KUENZER, C.**, 2017: Mapping Paddy Rice in Asia - a Multi-Sensor, Time Series Approach. ESA World Cover 2017, 14-16 Mar 2017, Frascati (Rome), Italy
- OTTINGER, M., CLAUSS, K., WAGNER, W., **KUENZER, C.**, 2017: Mapping coastal aquaculture ponds in Asian hotspots with high spatial resolution Sentinel-1A/B SAR data. ISRSE-37, 08.-12. Mai 2017, Tshwane, South Africa

2016

- **KUENZER, C.**, WEGMANN, M., DECH, S., 2016: Langzeit-Erdbeobachtungsdaten für die Analyse globaler Veränderungen. Leopoldina Symposium Erdbeobachtung durch Tiere – Chancen und Perspektiven. 30.09.2016, Berlin, Deutschland
- OTTINGER, M., CLAUSS, K., VO QUOC, T., HUTH, J., DECH, S., **KUENZER, C.**, 2016: Earth observation based mapping of coastal aquaculture ponds in Asian hotspots – An object-based analysis of high spatial resolution Sentinel-1A SAR data. ECSA 56 - Coastal systems in transition: From a 'natural' to an 'anthropogenically-modified' state, 04.-07.09.2016, Bremen, Deutschland.
- GESSNER, U., KNAUER, K., MACHWITZ, M., DECH, S., **KUENZER, C.**, 2016: Impacts of Socio-economic Development and Urbanization on Natural Resources – Case Studies from Africa. In: IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China, 10-15 July 2016
- WOHLFART, C., LIU, G., HUANG, C., **KUENZER, C.** 2016: *Multi-temporal analysis of land surface dynamics in the Yellow River Basin (China)*. In: IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China, 10-15 July 2016
- KLEIN, I., GESSNER, U., DIETZ, A., LEINENKUGEL, P., DECH, S., **KUENZER, C.**, 2016: *Detection of Inland Water Bodies with High Temporal Resolution*. In: IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China, 10-15 Jul. 2016
- **KUENZER, C.**, CLAUSS, K., DIETZ, A., LEINENKUGEL, P. MACK, B., KLEIN, I., GESSNER, U., OTTINGER, M., DECH, S., 2016: Earth Observation Time Series for Global Environmental Change. Digital Earth Summit, ISDE, 7-8 July 2016, Beijing, China
- HUTH, J., YANG, B., JIANG, W., LI, J., **KUENZER, C.** 2016: Multi-Sensor Earth Observation Data for the Detection of Surface Water Dynamics at Dongting Lake, ESA Dragon 3 Final Results & Dragon 4 Kick-Off Symposium, Wuhan, China, 4-8 July 2016
- WOHLFART, C., LIU, G., HUANG, C., **KUENZER, C.**, 2016: Assessing land surface dynamics in an emerging region - Novel products for the Yellow River Basin in China, 36th EARSeL Symposium 2016, Bonn, Germany, 20–24 June 2016
- MACK, B., LEINENKUGEL, P., HUTH, J., GESSNER, U., **KUENZER, C.**, 2016: Pan-European Land Cover Classification with Landsat Data – Preliminary Results, 36th EARSeL Symposium 2016, Bonn, Germany, 20–24 June 2016
- GESSNER, U., KNAUER, K., KLEIN, I., **KUENZER, C.**, 2016: Assessing socio-economic and climate-related impacts on natural resources in rural areas of West Africa, EARSeL Symposium 2016, Bonn, Germany, 20–24 June 2016
- DA PONTE CANOVA, E., FLECKENSTEIN, M., ROCH, M., RODAS, O., OPPELT, N., **KUENZER, C.**, 2016: Forest cover loss in Paraguay and Ecosystem Service Approaches: an Upper Parana Forest Study Case. 36th EARSeL Symposium 2016, Bonn, Germany, 20–24 June 2016
- EISFELDER, C., GESSNER, U., LI, X., HUANG, C., DECH, S., **KUENZER, C.**, 2016: Remote Sensing based Modelling of Net Primary Productivity for China – Analysing trends, monitoring human impact and forest disturbance. EARSeL Symposium 2016, Bonn, Germany, 20–24 June 2016
- **KUENZER, C.**, 2016: The Potential of Earth Observation Data for the Monitoring of large River Deltas - examples from selected deltas around the world. European Space Solutions, 30. May-3 June 2016, The Hague, The Netherlands
- Martinis, Sandro und Wendleder, Anna und **Kuenzer, Claudia** und Huth, Juliane und Twele, André und Roth, Achim und Dech, Stefan (2016) *Four operational SAR-based water and flood detection approaches: a comparison*. In: Proceedings of ESA Living Planet Symposium 2016 (SP-740). ESA Living Planet Symposium 2016, 09.-13. Mai 2016, Prague, Czech Republic.

2015

- **KUENZER, C.**, LEINENKUGEL, P., HUTH, J., OTTINGER, M., RENAUD, F., FOUFOULA-GEORGIOU, E., TRI, V.K., LONG, T.T., DECH, S., KOCH, P. LETISSIER, M., 2015: The Potential of Time Series

- Based Earth Observation for the Monitoring of Large River Deltas, American Geophysical Union, AGU Fall Meeting, San Francisco, USA, 14-18 December 2015
- KNAUER, K., GESSNER, U., FENSCHOLT, R., **KUENZER, C.**, 2015: Remote Sensing of Vegetation Dynamics in West Africa: Improved Satellite Time Series for Agricultural Analyses. Arbeitskreis Subsaharisches Afrika, 27.-28. Nov. 2015, Köln, Deutschland.
 - **KUENZER, C.**, VAN BEIJMA, S., GESSNER, U., DECH, S., 2015: Exploring the Potential of Earth Observation for the Monitoring of Oil Industry Induced Impacts in the Niger Delta, Nigeria. Estuarine and Coastal Conference, ECSA 55, 6-9 September, London, England
 - HUTH, J., **KUENZER, C.**, 2015: Deutsch-Chinesische angewandte Umweltforschung im Delta des Gelben Flusses. Umweltkonferenz „Umweltinnovation – Deutsch-Chinesische Lösungswege“, 28. April 2015, Beijing, China
 - HUTH, J., YANG, B., LI, J., **KUENZER, C.**, 2015: Current Advances in Monitoring Inundation and Land Use Dynamics of Dongting Lake Wetlands. ESA Dragon 3 Symposium, 22.-26. Juni 2015, Interlaken, Switzerland
 - FREY, C., **KUENZER, C.**, 2015: Suitability of split window algorithms for AVHRR LST processing using updated parameter sets. 35th EARSeL Symposium. 15-18 June, Stockholm, Sweden
 - GESSNER, U., LEINENKUGEL, P., KLEIN, I., DIETZ, A., **KUENZER, C.**, 2015: Assessment of land surface dynamics based on time series of OLCI-type moderate resolution earth observation data. Sentinel-3 for Science Workshop, 2.-5. June, Venice, Italy
 - **KUENZER, C.**, HUTH, J., 2015: The Potential of Earth Observation Time Series for the Analyses of Land Surface Dynamics. Geospatial World Forum 2015, 25.-29. May, Lisbon, Portugal
 - MENENTI, M., LI, X., WANG, J., VERECKEN, H., LI, J., MANCINI, M., LIU, Q., JIA, L., **KUENZER, C.**, HUANG, S., YESOU, H., WEN, J., KERR, Y., CHENG, X., GOURMELEN, C., LUDWIG, R., LIN, H., EINEDER, M., MA, Y., SU, B., 2015: Hydrologic and cryospheric processes observed from space. 36th International Symposium on Remote Sensing of Environment, 11-15 May, Berlin, Germany
 - LEINENKUGEL, P., OPPELT, N., **KUENZER, C.**, 2015: Spatial and temporal patterns of tree cover dynamics in the Mekong Basin between 2001 and 2011. 36th International Symposium on Remote Sensing of Environment, 11-15 May, Berlin, Germany
 - KLEIN, I., DIETZ, A., **KUENZER, C.**, DECH, S., 2015: Global Waterpack – Time Series Analyses to assess spatio-temporal Variability of Inland Water Bodies. 36th International Symposium on Remote Sensing of Environment, 11-15 May, Berlin, Germany
 - GESSNER, U.; KNAUER, K.; **KUENZER, C.** (2015): Tree cover patterns and changes in the West Sudanian Savanna and observed socio-economic impacts. 36th International Symposium on Remote Sensing of Environment, 11-15 May 2015, Berlin, Germany
 - DIETZ, A., **KUENZER, C.**, DECH, S., 2015: Global SnowPack - A set of Snow Cover Parameters derived from times series of daily snow cover data made available on a global scale. 36th International Symposium on Remote Sensing of Environment ISRSE 36, 11-15 May 2015, Berlin, Germany
 - HUTH, J., AHRENS, M., **KUENZER, C.**, 2015: Deriving Water Surfaces with WaMaPro – Observation of Water Surface Dynamics of the Yellow River Delta, 36th International Symposium on Remote Sensing of Environment ISRSE 36, 11-15 May 2015, Berlin, Germany
 - HOSTERT, P., BAUMANN, M., KUEMMERLE, T., **KUENZER, C.**, VAN DER LINDEN, S., MÜLLER, H., PFLUGMACHER, D., RUFIN, P., SENF, C., 2015: Time series analysis: Potentials and challenges exploiting optical satellite data for Land System Science. International Symposium for Remote Sensing of the Environment, ISRSE 36, 11-15 May 2015, Berlin, Germany
 - FREY, C., DIETZ, A. BACHMANN, M., BERNHARD, E-M., RUPPERT, T., **KUENZER, C.**, MÜLLER, A., DECH, S., 2015: AVHRR re-processing over Europe and North Africa. 36th International Symposium on Remote Sensing of Environment, 11-15 May 2015, Berlin, Germany
 - **KUENZER, C.**, LEINENKUGEL, P., FREY, C., HUTH, J., OTTINGER, M., GESSNER, U., DECH, C., 2015: The Land-Use Dynamics and Water Nexus for the transboundary Mekong Basin: Potentials

and Limitations of Earth Observation, Dresden Nexus Conference, DNC 2015, , 25-27 March, Dresden, Germany

- GESSNER, U., KLEIN, I., KNAUER, K., ARNAULT, J., BLIEFERNICHT, J., **KUENZER, C.**, 2015: Earth observation based analyses of land-use dynamics in West Africa. Dresden Nexus Conference 2015, 25.-27. March, Dresden, Germany
- HUTH, J., GESSNER, U., KLEIN, I., AHRENS, M., HOFFMANN, J., **KUENZER, C.**, 2015: WaMaPro – a user friendly tool for water surface derivation from SAR data. "Mapping Water Bodies from Space" Conference, 18-19 March Frascati, Rome, Italy

2014

- GESSNER, U.; KNAUER, K.; BLIEFERNICHT, J.; ARNAULT, J.; KLEIN, C.; **KUENZER, C.**; MÜLLER, A.; KUNSTMANN, H.; DECH, S. (2014): Enhanced land surface dynamics from remote sensing and their use in regional climate modeling. Climate Symposium 2014, 13-17 October 2014, Darmstadt, Germany.
- FREY, C., DIETZ, A., BACHMANN, M., BERNHARD, E.M., RUPPERT, T., MOLCH, K., WOLFMUELLER, K., **KUENZER, C.**, MUELLER, A., DECH, S., 2014: TIMELINE - Processing of AVHRR time series over Europe and North Africa. 34th EARSeL Symposium. Warsaw, 16-20 June 2014
- FREY, C., **KUENZER, C.**, 2014: Spatial and temporal patterns of land surface temperature in the Mekong Basin. 34th EARSeL Symposium. 16-20 June, Warsaw, Poland
- GESSNER, U., KNAUER, K., THIEL, M., FORKUR, G., **KUENZER, C.**, 2014: High resolution tree cover mapping in the West Sudanian Savanna based on multi-temporal Landsat data. In: International Conference of the African Association of remote Sensing of Environment. 10th International Conference of the African Association of Remote Sensing of the Environment, 27.-31. Okt. 2014, Johannesburg, South Africa
- KNAUER, K., GESSNER, U., DECH, S., **KUENZER, C.**, 2014: Remote sensing of vegetation dynamics in West Africa: improved satellite time series for phenological analyses. ESA Advanced Training Course on Land Remote Sensing, 8.-12. Sept. 2014, Valencia, Spain
- AHRENS, M., JASPERSEN, V., EISFELDER, C., HUTH, J., **KUENZER, C.**, 2014: Environmental Information Portals for Local Stakeholders: Lessons Learned from Different Projects in Asia. Integrated Research on Disaster Risk (IRDR) Conference 2014, 7-9 June 2014, Beijing
- HUTH, J., AHRENS, A., **KUENZER, C.**, 2014: TWOPAC: Twinned Object-and Pixel-based Automated Classification – a tool for supervised image classification, EARSeL SIG LULC, March 17-18, Berlin, Germany
- GESSNER, U., HARTMANN, A., HUTH, J., MACHWITZ, M., NAEIMI, V., ESCH, T., DECH, S., **KUENZER, C.**, 2014: Exploiting multi-sensoral earth observation time series for regional land cover mapping. 5th Workshop of the EARSeL Special Interest Group on Land Use and Land Cover, 17.-18. March 2014, Berlin, Germany
- KNAUER, K., GESSNER, U., **KUENZER, C.**, DECH, S., 2014: Challenges in the generation of LAI time series for West Africa: difficulties and potential improvements. Global Vegetation Monitoring and Modeling, 3.-7. Feb. 2014, Avignon, France

2013

- OTTINGER, M., LIU, G., TAUBENBÖCK, H., **KUENZER, C.**, 2013: Monitoring dynamischer Landschaftsveränderungen im Gelbflussdelta mit multi-sensoralen Fernerkundungsdaten. In: Geoinformationen für die Küstenzone, 4, pp. 285-292. Sokrates & Freunde GmbH. 4. Symposium Geoinformationen für die Küstenzone und 9. Workshop zur Nutzung der Fernerkundung, 24.-26. Okt. 2012, Hamburg, Deutschland. ISBN 978-3-9814234-0-2
- FOUFOULA-GEORGIOU, E., OVEREEM, I., SAITO, Y., DECH, S., **KUENZER, C.**, AND C. GOODBRED, S., HARRISON, I., ANTHONY, E., BRONDIZIO, E., HUTTON, J., NICHOLLS, R.,

- MATTHEWS, Z., DEARING, J., LAZAR, A., BASCHIERI, A., NEWTON, A., RAMACHANDRAN, R., RENAUD, F., SEBESVARI, Z., VOROSMARTY, C., TESSLER, Z., COSTA, S., AHMED, K.M., RAHMAN, M.M., LINTERN, G., VAN CAPPELLEN, P., DURR, H., GAO, S., MARCHAND, M., BUCX, T., NGUYEN, V.G., GOICHOT, M., 2013: A vision for a coordinated international effort on delta sustainability. *Deltas: Landforms, Ecosystems and Human Activities* Proceedings of HP1, IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden, July 2013 (IAHS Publ. 358, 2013)
- **KUENZER, C.**, LIU, G., VO K.T., DECH, S., 2013: The potential of Earth Observation for the Monitoring of Delta and Estuary Dynamics Examples from the Yellow River-, and the Mekong Delta. Estuaries and coastal areas in times of intense change. 13 – 17 October 2013, Shanghai, China
 - KLEIN, I., DIETZ, A., **KUENZER, C.** 2013: Generation of monthly water mask time-series for Central Asia over the past 27 years using medium-resolution remote sensing data. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013
 - FABRITIUS M., KLINGER V., AHRENS M., FUNKENBERG T., KUENZER C.: The WISDOM Information System – Its Architecture and Potential for a Spatial Data Infrastructure. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April – 27. April 2013
 - KLINGER V., ANDRESEN T., AHRENS M., FABRITIUS M., KUENZER C.: Intuitive Search for Spatial and Non-Spatial Data in an OGC-Conformant Web-Based Information System. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22. April – 27. April 2013
 - OTTINGER, M., LIU, G., HUTH, J., **KUENZER, C.**, 2013: Remote sensing analyses on dynamics in the Yellow River Delta: Socio-economic transition in a coastal environment. 35th International Symposium on Remote Sensing of Environment. ISRSE 35, 22.4.2013 - 26.4.2013, Beijing, China
 - DIETZ, A., KUENZER, C., CONRAD, C., DECH, S., 2013: Changes of Snow Cover Characteristics in Central Asia between 1986 and 2012 derived from AVHRR and MODIS time series. Proceedings of the Eastern Snow Conference, Huntsville, Ontario, Canada, 4-6th of June, 2013
 - KUENZER, C., LI, X., GUO, H., DECH, S., 2012: Flooding in the Mekong Delta: Scale issues in multi resolution radar time series. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013
 - LU, L., GUO, H., **KUENZER, C.**, ZHANG, L., LI, X., 2013: Analyzing land cover changes with remote sensing data in Central Asia, 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013, 6pp.
 - VO, Q.T., OPPELT, N., **KUENZER, C.**, 2013: Quantifying Mangrove Ecosystem Services based on Remote Sensing and Household Surveys Proceedings of the 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013
 - GESSNER, U., NAEIMI, V., KLEIN, I., **KUENZER, C.**, KLEIN, D., DECH, S., 2013: The response of vegetation to rainfall anomalies in Central Asia. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013
 - LEINENKUGEL, P., **KUENZER, C.**, OPPELT, N., DECH, S., 2013: A Phenological Land Cover Map for the Mekong Basin on the Basis of Multitemporal and Multispectral Satellite Data from the MODIS Sensor. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013
 - HUTH, J., FUNKENBERG, T., **KUENZER, C.**, 2013: Advances towards Automated Derivation of Land Cover Classifications Utilizing TWOPAC. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013
 - EISFELDER, C., KLEIN, I., NIKLAUS, M., **KUENZER, C.** 2013: Spatio-temporal Patterns of Net Primary Productivity in Kazakhstan and Their Relation to Climate. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27.April 2013

- LI, X., GUO, H., ZHANG, L., **KUENZER, C.**, 2013: Capability of optical and radar data for Mekong hydropower dam observation. Proceedings of the Mekong Environmental Symposium, Ho Chi Minh City, Vietnam, 5-7 March
- ZHANG, L., GUO, H., LI, X., **KUENZER, C.**, 2013: Assessment the ecosystems in the Tonle Sap Lake, Cambodia, using RadarSat-2 Wide Fine data, Proceedings of the Mekong Environmental Symposium, Ho Chi Minh City, Vietnam, 5-7 March
- LEINENKUGEL, P., **KUENZER, C.**, OPPELT, N., 2013: A Phenological Land Cover Map for the Mekong Basin on the Basis of Multitemporal and Multispectral Satellite Data from the MODIS Sensor. Mekong Environmental Symposium 2013, Ho Chi Minh City, Vietnam, 5-7 March 2013

2012

- **KUENZER, C.**, OTTINGER, M., KLEIN, I., and S. DECH, 2012: Dynamics of the Yellow River Delta. Proceedings of the XXII Congress of the International Society for Photogrammetry and Remote Sensing, ISPRS, Melbourne, Australia, August 25th to September 1st, 2012
- NAEIMI, V., LEINENKUGEL, P., FREY, C., **KUENZER, C.** and S. DECH, 2012: Capability of ASCAT and ASAR, C-band active microwave sensors, for monitoring of extreme flood and drought events in lower Mekong countries, Proceedings of the XXII Congress of the International Society for Photogrammetry and Remote Sensing, ISPRS, Melbourne, Australia, August 25th to September 1st, 2012
- YANG, B., MA, S., LI, J., LIAO, Y., ZHOU, B., and **C. KUENZER**, 2012: Agricultural Drought Monitoring in Dongting Lake Basin by using of MODIS Data. Proceedings of the at Agro-Geoinformatics 2012, August 2-4, Shanghai, China
- LI, J., LIAO, D., YANG, B., ZHOU, B., and **KUENZER, C.**, 2012: Comprehensive Evaluation of Ecosystem Health of East Dongting Lake Wetland Based on Remotely Sensed Images, . Proceedings of the at Agro-Geoinformatics 2012, August 2-4, Shanghai, China
- VO QUOC, T., **KUENZER, C.**, VO QUANG, M., and N. OPPELT, 2012: Mangrove Ecosystem Services in the Mekong Delta: Combining Socio-Economic Household Surveying with Remote Sensing based Analyses. Proceedings of the 32nd International Geographical Congress, 26-30 August, Cologne, Germany
- DIETZ, A., Conrad, C., and **C. KUENZER**, 2012: Snow cover variability in Central Asia during the last decade derived from MODIS. Proceedings of the 32nd International Geographical Congress, 26-30 August, Cologne, Germany
- KLEIN, I., GESSNER, U. and **C. KUENZER**, 2012: The dynamics of Aral Sea, Caspian Sea, and Sharda Water Reservoir during the past decade based on MODIS data classification, Proceedings of the 32nd International Geographical Congress, 26-30 August, Cologne, Germany
- EISFELDER, C., KLEIN, I., **KUENZER, C.**, NIKLAUS, M., 2012: Remote sensing based primary productivity modelling for semi-arid Kazakhstan. Proceedings of IGARSS 2012, Munich, Germany, July 22 to July 27th 2012
- **KUENZER, C.**, HUTH, J., and S. DECH, 2012: Inundation Monitoring of the Mekong Delta – Rainy Season Assessments based on TerraSAR-X and Envisat ASAR Data Proceedings of the 32nd EARSeL Symposium and 36th General Assembly, Mykonos, Greece, 2012-05-21 until 2012-05-24
- **KUENZER, C.**, OTTINGER, M., and S. DECH, 2012: Coastal Zone Dynamics of the Yellow River Delta - Earth Observation Based Diagnosis. Proceedings of the 32nd EARSeL Symposium and 36th General Assembly, Mykonos, Greece, 2012-05-21 until 2012-05-24
- **KUENZER, C.**, 2012: Der Mekong: Oberlauf–Unterlauf Beziehungen im Spannungsfeld von Staudambau und integriertem Wasserressourcenmanagement. Proceedings of the ,Jahrestagung des Arbeitskreises Ostasien der Deutschen Geographischen Gesellschaft', 13.05.2012, Duisburg, Germany
- EISFELDER, C., **KUENZER, C.**, 2012: NPP modelling based on remote sensing data – comparing two models for Kazakhstan. 2nd TERRABITES symposium, 06.-08.02.2012, Frascati, Italy

2011

- **KUENZER, C.**, MODER, F., KLINGER, V., FABRITIUS, M., HUTH, J., WEHRMANN, T., VO KHAK, T., TRINH, THI, L., LE VAN, T., BUI VAN, Q., 2011: A Water related Information System for the Sustainable Development of the Mekong Delta in Vietnam - Past Achievements and the Pathway ahead. Proceedings of the WORLD DELTA SUMMIT, "The Pulse of Deltas and Impact on the Future", 21-24 November 2011, Jakarta, Indonesia
- **KUENZER, C.**, KLEIN, I., TAUBENBOECK, H., LIU, G., MODER, F. and S. DECH, 2011: River Deltas under Climate Change - Examples from the Mekong (Vietnam) and Yellow River (China). Proceedings of the WORLD DELTA SUMMIT, "The Pulse of Deltas and Impact on the Future", 21-24 November 2011, Jakarta, Indonesia
- **KUENZER, C.**, LIU, G., RENAUD, F., OTTINGER, M., and S. DECH, 2011: Asian River Deltas experiencing slow-onset Hazards: Vulnerability, Resilience and Adaptation to Environmental Degradation and Climate Change. Proceedings of the International Risk and Disaster Reduction Conference, IRDR, 31.10.-02.11. Beijing, China
- **KUENZER, C.**, RENAUD, F., HUTH, J., LIU, G., VO KAKH, T. and S. DECH, 2011: Drivers of Change in River Deltas. Proceedings of the International Conference on Integrated Water Resources Management: Management of Water in a Changing World: Lessons Learnt and Innovative Perspectives, Dresden, October 12-13, 2011
- **KUENZER, C.**, 2011: WISDOM: Das deutsch-vietnamesische Umweltinformationssystem für das Mekong-Delta. EOC Symposium 2011, 11-12 October, Oberpfaffenhofen, Germany
- VO QUOC, T. and **C. KUENZER**, 2011: Assessment of Mangrove Ecosystem Services in the Mekong delta, Vietnam, based on Remote Sensing and Household Surveying. Proceedings of the 32nd Asian Remote Sensing Conference, ARSC, 03-07 October, Taipei, Taiwan
- **KUENZER, C.**, LI, J., YANG, B., and S. DECH, 2011: The Dynamics of Dongting Lake, China – a Yangtze River floodpath lake. Proceedings of the 34th International Symposium for Remote Sensing of the Environment, 10-15 April, Sydney, Australia (best presentation award)
- **KUENZER, C.**, HUTH, J., GEBHARDT, S., LEINENKUGEL, P., LAM DAO, N., and S. DECH, 2001: Environmental and Climate Change related Trends in River Deltas – Examples from the Mekong. Proceedings of the 34th International Symposium for remote Sensing of the Environment, 10-15 April, Sydney, Australia
- GEBHARDT, S., ROTH, A., and **C. KUENZER**, 2011: How TerraSar-X Quadpol Data can help describing canopies? A comparison to Rapideye multispectral vegetation indices. Proceedings of the 34th International Symposium for remote Sensing of the Environment, 10-15 April, Sydney, Australia
- GESSNER, U., WEHRMANN, T., HUTH, J., GEBHARDT, S., NAEIMI, V., **KUENZER, C.** and S. DECH, 2011: Towards transferable large area land cover mapping in central Asia using MODIS time series. Proceedings of the 34th International Symposium for remote Sensing of the Environment, 10-15 April, Sydney, Australia
- MODER, F., **KUENZER, C.**, and V.K. TRI, 2011: Water Related Information System for the Sustainable Development of the Mekong Delta in Vietnam, Proceedings of the Singapore Water Convention, 4-8 July 2011, Singapore.

2010

- WEHRMANN, T., KLINGER, V., GEBHARDT, S., AHRENS, M., and **C. KUENZER**, 2010: Web services enabled architecture coupling data and processing resources, Proceedings of the ISPRS Technical Commission IV, Geospatial and Geovisualization: Environment, Security and Society, 15-19 November, Orlando/FL, USA

- WEHRMANN, T., KLINGER, V., GEBHARDT, S., and **C. KUENZER**, 2010: RESTful WISDOM (Water-related Information System for the sustainable development of the Mekong Delta), Proceedings of the ISPRS Technical Commission IV, Geospatial and Geovisualization: Environment, Security and Society, 15-19 November, Orlando/FL, USA
- HUTH, J., WEHRMANN, T., GEBHARDT, S., KLINGER, V., ., and **C. KUENZER** , 2010: TWOPAC – A new approach for automated classification of satellite imagery, Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- TRAN THAI, B., WEHRMANN, T., GEBHARDT, S., KLINGER, V., HUTH, J., VO QUOC T., ., and **C. KUENZER** , 2010: Ontology Based Approach for geospatial Semantic Web, Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- VO QUOC T., GEBHARDT, S., VO QUANG M., HUTH, J., ., and **C. KUENZER**, 2010: How remote sensing supports economic evaluation of mangrove ecosystems, Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- KLINGER, V., WEHRMANN, T., GEBHARDT, S., and **C. KUENZER**, 2010: RESTful WISDOM (Water-related Information System for the sustainable development of the Mekong Delta), Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- GEBHARDT, S., WEHRMANN, T., KLINGER, V., HUTH, J., .and **C. KUENZER**, 2010: Modelling, management and distribution of heterogeneous data for a web based information system, Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- LEINENKUGEL, P., ESCH, T., **KUENZER, C.**, and S. GEBHARDT, 2010: Large area impervious surface mapping on the basis of optical and SAR data, Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- NGUYEN, L.D., THUY, L.T. and **C. KUENZER**, 2010: Preliminary results of remote sensing applications for the sustainable development of the Mekong Delta. Proceedings of the 31st Asian Remote Sensing Conference, 01-05 November, Hanoi, Vietnam
- EISFELDER, C.; **KUENZER, C.**, and S. DECH, 2010: A review on derivation of biomass information in semi-arid regions based on remote sensing data. Proc. SPIE, Vol. 7831, 78310L (2010); doi:10.1117/12.868505, 21 September 2010, Toulouse, France
- **KUENZER, C.** and C. HECKER, 2010: EARSeL Special Interest Group: Thermal Remote Sensing, SIG-TRS, Proceedings of the ESA Conference on Oil and Gas, 25-29 January 2010, Frascati, Italy
- MODER, F., **KUENZER; C.**, and V. K. TRI, 2010: WISDOM Information System Prototype for the Mekong Delta. In: Proceedings of the 8th Annual Mekong Flood Forum, 26 - 27 May 2010, Vientiane, Laos
- PLATE, E., APEL, H., BIRKMANN, J., WAIBEL, G., GEBHARDT, S., WEHRMANN, T., RENAUD, F., and **C. KUENZER**, 2010: The WISDOM Project - A Progress Report from the Hydrologic and Water Resources Sub-Component. In: Proceedings of the 8th Annual Mekong Flood Forum, 26 - 27 May 2010, Vientiane, Laos
- MODER, F., and **C. KUENZER**, 2010: WISDOM – a multidisciplinary information system. In: Proceedings of the Mekong Environment and Climate Symposium, 26th - 27th of April 2010, Ho Chi Minh City, Vietnam
- **KUENZER, C.**, 2010: WISDOM: Water related Information System for the Sustainable Development of the Mekong Delta – Thoughts on Sustainability and Long Term Implementation. Proceedings of the 3rd Indo-German Conference on Research for Sustainability: Water and Waste Management, New Delhi, India, 3-4 February 2010
- **KUENZER, C.**, VO KAKH, T., WEHRMANN, T., LE VAN, T., GEBHARDT, S., LAM DAO, N., RENAUD, F., TRAN THANH, B., WAIBEL, G., HUYNH NGOC, T., BIRKMANN, J. and S. DECH, 2010: An Information System for the Sustainable Development of the Mekong Delta. Deltas in Times of Climate Change, 29.09.-01.10. 2010, Rotterdam, the Netherlands

- **KUENZER, C.**, WEHRMANN, T., GEBHARDT, S., SCHMIDT, M., and MEHL, H., 2009: A Water Related Information System for the Mekong (Lancang), Proceedings of the 6th International Symposium on Digital Earth (ISDE6), September 2009, Beijing, China, digital version
- **KUENZER, C.**, RENAUD, F., WAIBEL, G., GEBHARDT, S., WEHRMANN, T., SCHMIDT, M., and H. MEHL, 2009: Water related Information System for the sustainable development of the Mekong Delta in Vietnam: The WISDOM Project. AWRA (American Water Resource Association) 2009 Summer Speciality Conference, Snowbird, Utah, June 29-July 1, 2009
- HUTH, J., GEBHARDT, S., WEHRMANN, T., SCHETTLER, I., **KUENZER, C.**, SCHMIDT, M. and DECH, S., 2009: Automated inundation monitoring using TerraSAR-X multi-temporal imagery. Session NH2.1 Floods: monitoring, modelling, risk and uncertainty. Oral presentation at the European Geosciences Union. General Assembly 2009. Vienna, Austria. 19.04.-24.04.2009
- SCHETTLER, I., GEBHARDT, S., WEHRMANN, T., HUTH, J., and **C. KUENZER**, 2009: Das WISDOM-Projekt - Entwicklung eines wasserbezogenen Informationssystems zur Unterstützung des Wasser- und Ressourcenmanagements im Mekong Delta". 21.-22.01.09, DWA-Tagung - GIS in der Wasserwirtschaft, Kassel.

2008

- **KUENZER, C.**, BARTALIS, Z., SCHMIDT, M. and WAGNER, W., 2008: Trend analyses of a 15 year global soil moisture time series derived from ERS-1/-2 and METOP scatterometer data – floods, droughts and long term changes. In: The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences. Vol. XYZVII. Part B7. Beijing 2008, China, pp. 1363-1368
- GEBHARDT, S., **KUENZER, C.**, HUTH, J., WEHRMANN, T., SCHETTLER, I. and SCHMIDT, M., 2008: The WISDOM project - A Water-related Information System for the Mekong Delta, Vietnam. In: Proceedings of the 13th IWRA World Water Congress, 1-4 September, Montpellier, France, Paper 930
- GSTAIGER, V., HUTH, J., GEBHARDT, S., WEHRMANN, T., **KUENZER, C.**, SCHMIDT, M., 2008: Multi-skaliger Vergleich von Überflutungsflächen abgeleitet aus TerraSAR-X und Envisat ASAR. In: Angewandte Geoinformatik 2008. Beiträge zum 20. AGIT-Symposium, Salzburg, 17. September, Seiten 364-369. Wichmann. 20. AGIT-Symposium, 2008-02-07 - 04-07, Salzburg. ISBN 978-3-87907-464-8.
- ZHAO, D., **KUENZER, C.**, FU, C., and WAGNER, W., 2008: The analyses of ERS scatterometer derived soil water index in China. In: Geophysical Research Abstracts, Vol. 10, 11716, EGU 2008, 13-18th April 2007, Vienna
- SCHETTLER, I., WEHRMANN, T., PHUOC, T. V., GEBHARDT, S., HUTH, J., and **C. KUENZER**, 2008: WISDOM - multidisciplinary information system in the water related context. 21.-23.10.2008. GISpro conference 2008, Ho Chi Minh City, Viet Nam.
- WEHRMANN, T., TRAN, T. B., GEBHARDT, S., HUTH, J., **KUENZER, C.**, LAM, D. N., SCHETTLER, I., SCHMIDT, M., DECH, S., 2008: Wisdom demonstration module - open source technology managing water related, spatial information. 04.-06.12.2008. GIS IDEAS conference 2008, Hanoi, Viet Nam.

2007

- STRACHER, G.B., LINDSLEY-GRIFFIN, N., GRIFFIN, J.R., RENNER, S., SCHROEDER, P., VIELLENAVE, J., MASALEHDANI, M.N.-N. and **C. KUENZER**, 2007: Revisiting the South Cañon Number 1 Coal Mine fire during a geologic excursion from Denver to Glenwood Springs, Colorado. In: Reynolds, R.G., (Ed.), Roaming the Rocky Mountains and Environs: Geological Field Trips, Geological Society of America Field Guide 10, p. 101-110

- STRACHER, G.B., SOKOL, E.V., PRAKASH, A., HOWER, J.C., **KUENZER, C.**, PONE, J.D.N., SCHROEDER, P., MASALEHDANI, M.N., MARDON, S. and HIETT, J., 2007: Coal-Fires: Opportunity for Innovative Research in Mineralogy, Petrology, Structural Geology, and Environmental Science. Geological Society of America, Abstracts with Programs, 39, 6, p.30
- NAEIMI, V., **KUENZER, C.**, HASENAUER, S., BARTALIS, Z. and WAGNER, W., 2007: Evaluating the influence of land cover and the noise level of ERS-scatterometer backscatter. Proceedings of the Geoscience and Remote Sensing Symposium, IGARSS 23-27 July 2007, Barcelona, Spain, pp. 3685-3688
- **KUENZER, C.**, HASENAUER, S., SABEL, D., SCIPAL, K., PATHE, C., BARTALIS, Z. and WAGNER, W., 2007: Analyses of soil moisture data with respect to climate change and natural hazard events. In: Proceedings of the 27th EARSeL Symposium "Geoinformation in Europe", 4-7 June, Bolzano, Italy, p. 100
- **KUENZER, C.**, ZHANG, J., HECKER, C. and WAGNER, W., 2007: MODIS diurnal thermal bands analyses for hot spot detection and classification. In: Proceedings of the 27th EARSeL Symposium "Geoinformation in Europe", 4-7 June, Bolzano, Italy, p. 77
- WAGNER, W., PATHE, C., SABEL, D., BARTSCH, A., **KUENZER, C.**, and SCIPAL, K., 2007: Experimental 1 km soil moisture products from ENVISAT ASAR for Southern Africa. Proceedings of the ENVISAT Symposium, 23-27 April, Montreux, Switzerland
- SABEL, D., PATHE, C., WAGNER, W., HASENAUER, S., BARTSCH, A., **KUENZER, C.**, and SCIPAL, K., 2007: Using ENVISAT ScanSAR data for characterizing scaling properties of scatterometer derived soil moisture information over southern Africa. Proceedings of the ENVISAT Symposium, 23-27 April, Montreux, Switzerland
- GELLENS-MEULENBERGHS, F., WAGNER, W., ARBOLEDA, A., GHILAIN, N., **KUENZER, C.**, and HASENAUER S., 2007: Towards assimilation of METOP-ASCAT derived superficial soil moisture into a MSG-SEVERI driven land surface model: a first LSA-SAF - H-SAF activity, Geophysical Research Abstracts, Vol. 9, 06072, EGU 2007, 16-20th April 2007, Vienna
- **KUENZER, C.**, WESSLING, S., ZHANG, J., LITSCHKE, T., SCHMIDT, M., SCHULZ, J., GIELISCH, H., and WAGNER, W., 2007: Concepts for Green House Gas Emission Estimating of underground Coal Seam Fires, Geophysical Research Abstracts, Vol. 9, 11716, EGU 2007, 16-20th April 2007, Vienna

2006

- WAGNER, W., **KUENZER, C.**, and BARTSCH, A., 2006: Interannual patterns of freeze/thaw and soil moisture observed by spaceborne scatterometers, Eos Trans. AGU, 87(52), Fall Meeting Suppl., Abstract B34C-02
- **KUENZER, C.**, ZHANG, J., TETZLAFF, A. and WAGNER, W., 2006: Delineation, detection and quantification of coal fire induced temperature anomalies. In: Proceedings of the conference: Geomonitoring in the Energy and Mineral Resources Industry, 21-22 June, Freiberg, Germany, online without page numbers
- WAGNER, W. and **KUENZER, C.**, 2006: Soil moisture from thermal infrared satellite data: envisaged synergies with METOP ASCAT data. In: Proceedings of the 2nd LSA SAF user training workshop, 8-10 March 2006, Lisbon, Portugal, pp. 12-19

2005

- **KUENZER, C.**, ZHANG, J., HIRNER, A., BO, Y., JIA, Y. and SUN, Y., 2005: Multitemporal in-situ mapping of the Wuda coal fires from 2000 to 2005 – assessing coal fire dynamics. In: Proceedings of the International Conference on Coal Fire Research, 29.11.-01.12.2005 Beijing, pp. 104-106.

- **KUENZER, C.**, ZHANG, J., TETZLAFF, A. AND VOIGT, S., 2005: Automated demarcation, detection and quantification of coal fires in China using remote sensing data. In Proceedings of the International Conference on Coal Fire Research, 29.11.-01.12.2005 Beijing, pp. 131-133.
- **KUENZER, C.**, ZHANG, J. and HIRNER, A. 2005: Multitemporal coal fire dynamics – combining thermal remote sensing analysis and temperature field mappings to assess coal fire development in Wuda coal mining area. In: Proceedings of the 9th International Symposium on Physical Measurements and Signatures in Remote Sensing, ISPMSRS, 17-19. Oct 2005, Beijing, 805-807.
- YANG, B., CHEN, Y., LI, J., GONG, A., **KUENZER, C.** and ZHANG, J., 2005: Simple normalization of multi-temporal thermal IR data and applied research on the monitoring of typical coal fires in Northern China. In: Proceedings of the Geoscience and Remote Sensing Symposium, IGARSS 25-29 July 2005, Volume 8, pp. 5725 – 5728.
- LI, J., VOIGT, V., **KUENZER, C.**, YANG, B., ZHANG, J., ZHANG, Y., KONG, B. and ZHANG, S., 2005: The progress in detecting coal fires on remote sensing – the first results of the joint Sino-German research project in innovative technologies for exploration, extinction and monitoring of coal fires in North China. In: Proceedings of the Dragon Programme Mid-Term Result Conference, 27.06.2005-01.07.2005, Santorini, Greece, pp. 3-12.
- **KUENZER, C.**, VOIGT, S., and MOERTH, D., 2005: Investigating land cover changes in Chinese coal mining environments using partial unmixing. In: GGRS Conference Proceedings, 7.-8. Okt 2004, "Applications in Geo-Sciences", Goettingen. pp. 31-37
- TETZLAFF, A.; ZHUKOV, B., HIRNER, A., **KUENZER, C.**, and VOIGT, S., 2005: Coal fire quantification and detection using the DLR experimental bi-spectral infrared detection (BIRD) small satellite. Small Satellites for Earth Observation - Selected Proceedings of the 5th International Symposium of the International Academy of Astronautics, Berlin 4-8, 2005, H.-P. Röser, R. Sandau, A. Valenzuela (eds.), ISBN:3-11-018851-1, V, pp. 255 - 262.

2004

- GIELISCH, H., KAHLEN, E. and **C. KUENZER,** 2004: Steinkohlenbrände und ihre Folgen dargestellt anhand der Lagerstätte von Wuda / Innere Mongolei / VR China. In: Proceedings of the 19th national meeting of German sedimentologists „Sediment 2004“ 2.-4. June 2004, in Aachen
- **KUENZER, C.**, STRUNZ, G., VOIGT, S. and WAGNER, W., 2004: Multitemporal Landcover Investigations in a Semi-arid Mining Environment: Coal Fire Areas in Northern China. In: Proceedings of the Conference of the EARSeL Special Interest Group on Land use and Land Cover, Dubrovnik, May 2004, pp. 125-134
- RIEDLINGER, T., VOIGT, S., GÜNTHER, K., GESELL, G., **KUENZER, C.**, ZWING, A., KRAUS, T., KIEFL, R., TETZLAFF, A., ZHANG, J., HASENAUER, S., REINARTZ, P., SUNDERMANN, D. and MEHL, H., 2004: Multi source satellite data facilitating disaster management during the 2003 forest fires in Portugal. In: E-Proceedings of the "Euro-Mediterranean Forum on Disaster Prevention", URL on September 30, 2005.
- **KUENZER, C.**, NIEBERGALL, S. and VOIGT, S., 2004: Multitemporale Untersuchungen im chinesischen Kohleabbau- und Kohlebrandgebiet Ruqigou basierend auf Landsat- und höchstauflösenden Quickbird Daten. In: STROBL, J., BLASCHKE, T. AND GRIESEBNER, G., (ed.): Angewandte Geoinformatik 2004. Beitrage zum 16. AGIT-Symposium Salzburg 2004. – Heidelberg, Wichmann, pp.393-398.

2003

- **KUENZER, C.**, and VOIGT, S. 2003: Vegetationsdichte als moeglicher Indikator fuer Kohlefloezbraende? Untersuchung mittels Fernerkundung und GIS. In: STROBL, J., BLASCHKE, T. AND GRIESEBNER, G., (ed.): Angewandte Geographische Informationsverarbeitung XV. Beitrage zum 15. AGIT-Symposium Salzburg 2.-4. July 2003. –Heidelberg, Wichmann, pp.256-261.

- PEINADO, O., **KUENZER, C.**, VOIGT, S., REINARTZ, P. and MEHL, H., 2003: Fernerkundung und GIS im Katastrophenmanagement – die Elbe Flut 2003. In: STROBL, J., BLASCHKE, T. AND GRIESEBNER, G., (ed.): Angewandte Geographische Informationsverarbeitung XV. Beiträge zum AGIT-Symposium Salzburg 2003. –Heidelberg, Wichmann, pp. 342-348.
- **KUENZER, C.**, ZHANG, J. and VOIGT, S., 2003: Set Up of a Spectral Database for Unmixing Approaches in Mining Environments in North-central China: Demarcating Coal Fire Risk Areas. In: Proceedings of the 3rd EARSeL Workshop on Imaging Spectroscopy, Herrsching, Germany, May 13-16 2003, pp. 344-348.

Konferenzposter:

- BACHOFER, F., WANG, Z., NGUYEN, H. K., PHAM, T. G., SHRESTHA, N. S., ESCH, T., **KUENZER, C.**, 2024: Enhancing urban growth prediction with the Spatio-Temporal Matrix: Case studies from Vietnam, India, and Ivory Coast, URBIS24, 16-18 Sept. 2024, Frascati, Italy
- FOKENG MELI, R., BACHOFER, F., SOGNO, P., KLEIN, I., UEREYEN, S., **KUENZER, C.**, 2024: Daily Open Surface Water Dynamics and its response to rainfall Seasonality in Lake Chad Basin based on Earth Observation Time Series, EO for Africa Symposium 2024, 23-26 Sept. 2024, Frascati, Italy
- KACIC, P., GESSNER, U., HOLZWARTH, S., MÜLLER, J., PIERICK, K., SEIDEL, D., THONFELD, F., **KUENZER, C.**, 2024: Analyzing Enhanced Forest Structural Complexity from In-Situ and Spaceborne Remote Sensing, in Proc. Bialowieza Ecology Conference 2024, 16-20 Sept. 2024, Bialowieza, Poland
- REINERMANN, S., SCHUCKNECHT, A., GESSNER, U., ASAM, S., KIESE, R., **KUENZER, C.**, 2024: Estimation of annual grassland yields with Sentinel-2 time series, EGU General Assembly 2024, 14-19 April 2024, Vienna, Austria
- REINERMANN, S., SCHUCKNECHT, A., GESSNER, U., ASAM, S., KIESE, R., KRÄMER, A., **KUENZER, C.**, 2024: Ermittlung von jährlichen Grünlanderträgen durch Sentinel-2 Zeitreihen, in Proc. Nationales Forum für Fernerkundung und Copernicus, 19-21 March 2024, Berlin, Germany
- THONFELD, F., HOLZWARTH, S., HUTH, J., KACIC, P., GESSNER, U., JAGGY, N., WEGLER, M., COLEMAN, K., **KUENZER, C.**, SEITZ, R., STRAUB, C., WALLNER, A., GONZALEZ, J., DATTA, P., CHMARA, S., WERNICKE, J., ADLER, P., BECKSCHÄFER, P., 2024: Potentiale der Erdbeobachtung zum Monitoring von Wäldern in Deutschland für Klimaresilienz und Nachhaltigkeit, Nationales Forum für Fernerkundung und Copernicus, 19-21 March 2024, Berlin, Germany
- UEREYEN, S., EISFELDER, C., GESSNER, U., REINERMANN, S., ASAM, S., PANAGIOTOU, C., ELIADES, M., VARVARIS, I., LOULLI, E., PITTAKI, Z., HADJIMITSIS, D., **KUENZER, C.**, BACHOFER, F., 2023: Earth observation time series for the monitoring of droughts in Cyprus: Patterns and drivers of vegetation dynamics. EGU 2023, Vienna, Austria
- BAUMHOER, C., DIETZ, A., HAUG, J.-K., **KUENZER, C.**, 2023: Using Deep Learning in Operational Data Products - Lessons Learned from the IceLines Dataset on Antarctic Ice Shelf Front Change, IUGG 2023, 11-20 July 2023, Berlin, Germany
- DIRSCHERL, M., DIETZ, A., BAUMHOER, C., RÖBLER, S., **KUENZER, C.**, 2023: Artificial Intelligence for the Monitoring of Seasonal Supraglacial Lake Dynamics in Multi-Sensor Remote Sensing Data, 10th EARSeL workshop on Land Ice and Snow, 6-8 Feb. 2023, Bern, Schweiz
- WAGNER, L., BAUMHOER, C., DIETZ, A., **KUENZER, C.**, ULLMANN, T., 2023: Analysis of ice shelf front dynamics in Pine Island Bay (Antarctica) based on long-term SAR time series and deep learning, EGU General Assembly 2023, 23-28 April 2023, Vienna, Austria
- WANG, Z., BACHOFER, F., MARCONCINI, M., ESCH, T., LINH, H. K., HUTH, J., **KUENZER, C.**, 2022: Future Urban Growth Modelling for Vietnam based on SLEUTH and EO-products, Living Planet Symposium 2022, 23-27 May 2022, Bonn, Germany

- UEREYEN, S., BACHOFER, F., HUTH, J., **KUENZER, C.**, 2022: Land surface dynamics in Indo-Gangetic river basins - Evaluation of seasonal trends and drivers, Living Planet Symposium 2022, 23-27 May 2022, Bonn, Germany
- THONFELD, F., GESSNER, U., HOLZWARTH, S., KRIESE, J., HUTH, J., **KUENZER, C.**, 2022: Canopy cover loss in Germany's forests after the 2018-2020 drought years, Forest Disturbances and Ecosystem Dynamics in a Changing World Symposium, 19-22 Sep. 2022, Berchtesgaden, Germany
- REINERS, P., HOLZWARTH, S., ASAM, S., **KUENZER, C.**, 2022: Long-term dynamics of Land Surface Temperature (LST) over Europe, Living Planet Symposium 2022, 23-27 May 2022, Bonn, Germany
- KLEIN, I., VAN DER WOUDE, S., SCHWARZENBACHER, F., EISFELDER, C., UEREYEN, S., HOESER, T., SOGNO, P., **KUENZER, C.**, 2022: The hazard of locust outbreaks - Examples from EO to support locust management, ESA Living Planet Symposium 2022, 23-27 May 2022, Bonn, Germany
- HÖSER, T., BACHOFER, F., **KUENZER, C.**, 2022: Global Offshore Wind Energy Infrastructure Dynamics Derived from Sentinel-1 Imagery with CNNs based on Synthetic Training Data, Living Planet Symposium 2022, 23-27 May 2022, Bonn, Germany
- DIRSCHERL, M., DIETZ, A., **KUENZER, C.**, 2022: Temporal monitoring of Antarctic supraglacial lake dynamics in 2015-2021 and links to environmental drivers, Cryosphere 2022, 21-26 Aug. 2022, Reykjavík, Iceland
- DIRSCHERL, M., DIETZ, A. **KUENZER, C.**, 2021: Temporal Evolution of Antarctic Surface Hydrology in 2015-2021 and Links to Environmental Drivers, AGU Fall Meeting 2021, 13-17 Dec. 2021, New Orleans, USA
- BAUMHOER, C., DIETZ, A., DIRSCHERL, M., **KUENZER, C.**, 2021: Two decades of Antarctic coastal-change revealed by satellite imagery and deep learning, vEGU21, 19-30 Apr. 2021, virtual Event
- BAUMHOER, C., DIETZ, A., HEIDLER, K., MOU, L., ZHU, X. X., **KUENZER, C.**, 2021: Towards an Antarctic Ice Shelf and Glacier Front Monitoring Service based on Sentinel-1 Data, UK Antarctic Science Conference 2021, 22-25 March 2021, Edinburgh, Scotland
- DIRSCHERL, M., DIETZ, A., BAUMHOER, C., KNEISEL, C., **KUENZER, C.**, 2021: A novel technique for automated mapping of Antarctic supraglacial lakes in Sentinel-1 SAR imagery using deep learning, EGU General Assembly 2021, 19-30 Apr. 2021, Vienna, Austria
- HUTH, J., OTTINGER, M., APEL, H., SCHLURMANN, T., JORDAN, C., GRIMMEISEN, F., HEEGE, T., LAM DAO, N., CHAU NGUYEN, X. Q., **KUENZER, C.**, 2021: Catch-MEKONG – Saltwater Intrusion and Morphodynamics in the Mekong Delta: Status, Impacts and Future Developments. Results of a 5-year Research Project, Water Security and Climate Change Conference, 1-4 March 2021, Hanoi (virtual Event)
- MAYR, S., KLEIN, I., BACHOFER, F., **KUENZER, C.**, 2021: Determining Uncertainty in Estimations of Global Surface Water Extent derived from a Diurnal Earth Observation Time-Series, HYDROSPACE-GEOGloWS 2021, 07-11 June 2021, Roma (virtual Event)
- REINERMANN, S., ASAM, S., GESSNER, U., SCHUCKNECHT, A., **KUENZER, C.**, 2021: Detection of grassland mowing events with optical satellite time series data, 21. Symposium der European Grassland Federation (EGF), 26, 56-58, 17-19 May 2021, Kassel, Germany
- BAUMHOER, C., DIETZ, A., DIRSCHERL, M., **KUENZER, C.**, 2020: Deep learning reveals seasonal patterns of Antarctic ice shelf front fluctuations, EGU 2020, 4-8 May 2020, Vienna, Austria
- HÖSER, T., BACHOFER, F., **KUENZER, C.**, 2020: An Introduction to Deep Learning with CNNs Applied on Earth Observation Data, ESA Phi-Week 2020, 28. Sep. - 02 Oct. 2020, Frascati, Italy
- UEREYEN, S., BACHOFER, F., HUTH, J., KLEIN, I., **KUENZER, C.**, 2020: Remote Sensing of Large River Basins, EGU 2020, 4-8 May 2020, Vienna, Austria
- DIRSCHERL, M., DIETZ, A., **KUENZER, C.**, DECH, S., 2019: Remote Sensing of Ice Motion in Antarctica - A Review and Future Requirements, EGU 2019, 08-12 April 2019, Vienna, Austria

- DIRSCHERL, M., BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2019: The potential of Sentinel-1/2 data for the monitoring of Antarctic surface melt and calving front dynamics, AGU 2019, 9-13 Dec. 2019, San Francisco, USA
- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2019: High-Temporal Antarctic Glacier Terminus and Ice Shelf Front Mapping from Sentinel-1 – A Deep Learning Approach, IUGG 2019, Montreal, Canada
- REINERMANN, S., ASAM, S., GESSNER, U., **KUENZER, C.**, DECH, S. 2019: Extreme hot and dry summers in Germany: Analysis of long-term earth observation time series of vegetation condition. ESA Living Planet Symposium, 13-17 May 2019, Milano, Italy
- ASAM, S., REINERS, P., FREY, C., SOBRINO, J., GÖTTSCHE, F., BENDIX, J., **KUENZER, C.**, 2019: Validation of the TIMELINE AVHRR Land Surface Temperature (LST) Product with MODIS and in situ LST. ESA Living Planet Symposium 2019, 13-17 May 2019, Milano, Italy
- ASAM, S., EISFELDER, C., KLEIN, I., **KUENZER, C.**, 2018: Time Series Analysis Over Europe From AVHRR Data – Examples From The TIMELINE Project, 3rd joint EARSeL LULC & NASA LCLUC Workshop, 11-12 July 2018, Chania, Greece.
- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2018: Remote Sensing of Antarctic Calving Front Dynamics, United Nations / Germany High Level Forum: The way forward after UNISPACE+50 and on Space2030, 13-16 Nov. 2018, Bonn, Germany
- BAUMHOER, C., DIETZ, A., **KUENZER, C.**, 2018: Antarctic Glacier and Ice Shelf Front Dynamics in a Changing Climate, DLR Conference on Climate Change, 17-19 Apr. 2018, Cologne, Germany
- DIETZ, A., **KUENZER, C.**, 2018: Snow Cover changes in Central Asia derived from long term time series analysis of medium resolution remote sensing data, DLR Conference on Climate Change 2018, 17-19 Apr. 2018, Cologne, Germany
- HU, Z., DIETZ, A., **KUENZER, C.**, 2018: Snow cover dynamics in the European Alps derived from medium resolution earth Observation imagery, VAO-Symposium, 13-15 März 2018, Grenoble, France
- KLEIN, I., GESSNER, U., DIETZ, A., HIRNER, A., DECH, S., **KUENZER, C.**, 2018: Global Waterpack - open surface water time series for the assessment of climate and human impacts on a global scale. DLR Conference on Climate Change 2018, 17-19 Apr 2018, Cologne, Germany
- EISFELDER, C., ASAM, S., FREY, C., **KUENZER, C.**, DECH, S., 2018: Time-series processing of AVHRR data for NDVI product generation – an example from the TIMELINE project. PFGK18, 7-9 März 2018, München, Germany
- EISFELDER, C., KIM, H. O., **KUENZER, C.**, 2018: Multi-layer Land Cover Data for Remote-Sensing based Vegetation Modelling for South Korea. In: Publikationen der Deutschen Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation (DGPF) e.V., Band 27, 931 S., Hamburg 2018, 27, Seiten 679-690. PFGK18, 7-9 März 2018, München, Germany
- DA PONTE, E., FLECKENSTEIN, M., PARKER, A., OPPELT, N., **KUENZER, C.**, 2017: Assessing forest cover dynamics and ecosystem services perception in the Atlantic forest of Paraguay; combining remote sensing and household level data. International Symposium on Remote Sensing of Environment, 8-12 Mai 2017, Pretoria, South Africa
- HUTH, J., WANG, Y., CHENG, Y., CLAUSS, K., YESOU, H., **KUENZER, C.**, 2017: The Potential of Sentinel-Data for the Observation of Wetland Dynamics in Poyang and Dongting Lake, China. 37th International Symposium on the Remote Sensing of the Environment, ISRSE-37, 08-12 Mai 2017, Tshwane, South Africa
- CLAUSS, K., MACK, B., DECH, S., **KUENZER, C.**, 2016: Mapping paddy rice in Asia: a multi-sensor, time-series approach. 36th EARSeL Symposium 2016, 20-24 June 2016, Bonn, Germany
- OTTINGER, M., CLAUSS, K., VO, Q.T., **KUENZER, C.**, 2016: Assessment of coastal aquaculture ponds in Asia with high resolution SAR data. 36th EARSeL Symposium, 20.06.2016 - 24.06.2016, Bonn, Germany

- HUTH, J., EISFELDER, C., OTTINGER, M., MARCONCINI, M., LEICHTLE, T., LIU, G., **KUENZER, C.** 2016: Multi-Source Remote Sensing Observation of Land Surface in the Yellow River Delta, EARSeL Symposium 2016, 20–24 June 2016, Bonn, Germany
- DIETZ, A.J., **KUENZER, C.**, 2016: GLOBAL SNOWPACK - Global Snow Cover characteristics derived from medium resolution remote sensing data, ESA Living planet Symposium 2016, , 9-13 May 2016, Prague, Czech Republic
- EISFELDER, C., **KUENZER, C.**, 2016: Modelling 14 years of remote sensing based net primary productivity for China: patterns, trends and hot spot phenomena. ESA Living Planet Symposium, 9–13 May 2016, Prague, Czech Republic
- HUTH, J., KLEIN, I., DIETZ, A., **KUENZER, C.**, 2015: Support of Water Cycle Science with DLR's WaMaPro, Global WaterPack, and Global SnowPack. Earth Observation for Water Cycle Science 2015, 20-23 Oct. 2015, Frascati, Italy
- GESSNER, U.; KNAUER, K.; THIEL, M.; FORKUOR, G.; **KUENZER, C.**; DECH, S. (2014): High resolution tree cover mapping in the West Sudanian Savanna based on multi-temporal Landsat data. 10th International Conference of the African Association of Remote Sensing of the Environment, 27-31 October 2014, Johannesburg, South Africa
- DIETZ, A., **KUENZER, C.**, DECH, S., 2014: Processing and analysis of Global snow cover time series for climate change assessment. The Climate Symposium 2014, 13-17 October, Darmstadt, Germany
- **KUENZER, C.**, DIETZ, A., LIU, G., LI, X., DECH, S., 2013: Snow cover dynamics in the upper Lancang Catchment: Investigating one decade of MODIS data. 35th International Symposium on Remote Sensing of Environment, ISRSE35, Beijing, China, 22.April-27April 2013
- NAIMI, V.; **KUENZER, C.**, WAGNER, W. and D. SABEL: Analysis of Soil Moisture Data retrieved from C-band Scatterometers in Southeast Asia. Poster at IGARSS 2012, Munich, Germany, July 22 to July 27th 2012
- **KUENZER, C.**, HASENAUER, S., SABEL, D., SCIPAL, K., BARTALIS, Z. and WAGNER, W., 2007: Analyses of soil moisture data with respect to climate change and natural hazard events. Poster presentation at the 27th EARSeL Symposium "Geoinformation in Europe", 4-7 June, Bolzano, Italy.
- **KUENZER, C.**, ZHANG, J., HECKER, C. and WAGNER, W., 2007: MODIS diurnal thermal bands analyses for hot spot detection and classification. Poster presentation at the 27th EARSeL Symposium "Geoinformation in Europe", 4-7 June, Bolzano, Italy.
- **KUENZER, C.**, WESSLING, S., ZHANG, J., LITSCHKE, T., SCHMIDT, M., SCHULZ, J., GIELISCH, H. and WAGNER, W., 2007: Concepts for green house gas emission estimation of underground coal seam fires. Poster presentation at the 2007 European Geosciences Union (EGU) General Assembly, April 16-20, Vienna, Austria.
- **KUENZER, C.**, NIEBERGALL, S. and VOIGT, S., 2005: Analysis of spaceborne hyperspectral HYPERION data for landcover mapping in a Chinese mining environment. Poster presentation at the 9th International Symposium on Physical Measurements and Signatures in Remote Sensing, ISPMSRS, 17-19 October, Beijing, China
- NIEBERGALL, S., **KUENZER, C.**, VOIGT, S., HOSTERT, P. and KAUFMANN, H., 2005: Spectral Analysis of a coal fire region in Northern China using EO-1 hyperspectral Hyperion data. Poster presentation at the 4th EARSeL Workshop on Imaging Spectroscopy, 27 – 29 April, Warsaw, Poland
- **KUENZER, C.**, ZHANG, J. and VOIGT, S., 2003: Set Up of a Spectral Database for Unmixing Approaches in Mining Environments in North-central China: Demarcating Coal Fire Risk Areas. Poster presentation at the 3rd EARSeL Workshop on Imaging Spectroscopy, May 13-16 2003, Herrsching, Germany

Weitere Beiträge in Broschüren und Magazinen:

- **KUENZER, C.**, 2012: The German-Vietnamese WISDOM Project: Water-related Information System for the Sustainable Development of the Mekong Delta. In: LOICZ INPRINT, 1, 2012, ISSN 2070-2442, Land-Ocean Interactions in the Coastal Zone, Core project of IGBP, IHDP
- **KUENZER, C.**, 2009: WISDOM: Knowledge à la carte. Contribution to the Helmholtz Annual Report "Helmholtz: Big Questions – Big Science", S. 80-81
- **KUENZER, C.** and H. MEHL, 2009: Leben im Delta. Das WISDOM-Projekt: Ein Informationssystem für die nachhaltige Entwicklung im Mündungsgebiet des Mekong. In: DLR Nachrichten, Magazin des Deutschen Zentrums für Luft- und Raumfahrt, April 2009/G 12625, ISSN 0937-0420, S. 40-47.
- **KUENZER, C.**, 2009: Water Information System for a Sustainable Development of the Mekong Delta (WISDOM). Contribution to the BMBF-MOST Brochure "Vietnamese-German Scientific-Technological Cooperation in the Field of Water and Environmental Technology" October 2009, S. 4
- **KUENZER, C.** and MEHL, H. 2009: Leben im Delta. Das WISDOM-Projekt: Ein Informationssystem für die nachhaltige Entwicklung im Mündungsgebiet des Mekong. In: DLR Nachrichten, Magazin des Deutschen Zentrums für Luft- und Raumfahrt, April 2009/G 12625, ISSN 0937-0420, S. 40-47.
- **KUENZER, C.**, 2009: WISDOM: Wasserbezogenes Informationssystem für die nachhaltige Entwicklung des Mekong Deltas. Contribution to the BMBF Brochure: IWRM – Von der Forschung bis zur Umsetzung. März 2009, S. 16-17
- WISDOM: a multidisciplinary project. Water-related Information System for the sustainable Development of the Mekong Delta in Vietnam; 12 page project brochure printed via DLR and circulated vastly; 2000 copies, available since 2008
- **KUENZER, C.** 2007: Providing Future Energy: Electricity Generation from Coal Mine Methane. In: Business Forum China, 06/07, pp. 59-61
- **KUENZER, C.**, 2007: Soil erosion, deflation and desertification: Challenges and Countermeasures. In: Business Forum China, 05/07, pp. 62-65
- **KUENZER, C.**, 2007: Clean Development Mechanism. In: Business Forum China, 03/07, pp. 54-56
- **KUENZER, C.**, 2007: Water Pollution, Scarcity and Distribution Challenges. In: Business Forum China, 02/07, pp. 63-65
- **KUENZER, C.**, 2007: Winds of Change: Wind Power Development in China. In: Business Forum China, 01/07, pp. 68-70
- **KUENZER, C.**, 2006: Exposed to the elements: Remote sensing of natural hazards in China. In: Business Forum China, 5/06, pp. 64-65
- **KUENZER, C.**, 2006: Coal fires. In: The Encyclopedia of Earth.
- WAGNER, W., **KUENZER, C.** and ZHANG, J., 2006: Remote sensing in integrated watershed management – Script for the INWAMA courses funded by the Asia Link Programme of the European Commission, 189 pp.
- **KUENZER, C.** and RUETER, H., 2005: China auf heißen Kohlen – Fernerkundung enttarnt Kohleflözbrände. Web article at „geoscience online .de“
- **KUENZER, C.**, 2005: Demarcating coal fire risk areas based on spectral test sequences and partial unmixing using multi sensor remote sensing data. Websites of the "Österreichische Gesellschaft fuer Vermessung und Geoinformation.
- **KUENZER, C.**, VON ROHLAND, J., MEHL, H. and VOIGT, S., 2002: Brennende Berge. In: DLR Nachrichten 107, July 2002, pp. 3-7.
- **KUENZER, C.** and FOSNIGHT, G., 2001: Satellite Images for Land Cover Monitoring – Navigating Through the Maze. UNEP Information for Decision Making Series, 2001.

- VOIGT, S. and **KUENZER, C.**, 2001: Spontane Kohlebrände in Nord China – Eine Umweltkatastrophe und eine Forschungsaufgabe von Internationaler Bedeutung. DLR Information Brochure. 2000 prints.

Habilitation:

- **KUENZER, C.**, 2016: The Potential of Earth Observation for Sustainable Management of Natural Resources in Large River Delta Regions, Universität Würzburg, 18 Publikationen und 97 Seiten Synthese

Dissertation:

- **KUENZER, C.**, 2005: Demarcating coal fire risk areas based on spectral test sequences and partial unmixing using multi sensor remote sensing data. Ph.D. thesis, Technische Universität Wien, Österreich, 199 pp.

Diplomarbeit:

- **KUENZER, C.**, 2001: Multitemporale Untersuchung der Landnutzung des ‚Parc Natural de la Haute Sûre‘ unter Einsatz von Fernerkundung und GIS im Hinblick auf die Wasserqualität d. Stausees Obersauer. Diplomarbeit an der Universität Trier, Abteilung Fernerkundung, 189 pp.