

Carsten Juergens

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

510
citations

840776

11
h-index

713466

21
g-index

46
all docs

46
docs citations

46
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an App and Teaching Concept for Implementation of Hyperspectral Remote Sensing Data into School Lessons Using Augmented Reality. <i>Remote Sensing</i> , 2022, 14, 791.	4.0	5
2	Combined Small- and Large-Scale Geo-Spatial Analysis of the Ruhr Area for an Environmental Justice Assessment. <i>Sustainability</i> , 2022, 14, 3447.	3.2	0
3	Multitemporal Change Detection Analysis in an Urbanized Environment Based upon Sentinel-1 Data. <i>Remote Sensing</i> , 2022, 14, 1043.	4.0	5
4	Experimental Analysis of Geo-spatial Data to Evaluate Urban Greenspace: A Case Study in Dortmund, Germany. <i>KN - Journal of Cartography and Geographic Information</i> , 2022, 72, 153-171.	2.4	3
5	Application of Convolutional Neural Networks on Digital Terrain Models for Analyzing Spatial Relations in Archaeology. <i>Remote Sensing</i> , 2022, 14, 2535.	4.0	0
6	Monitoring of Urban Sprawl and Densification Processes in Western Germany in the Light of SDG Indicator 11.3.1 Based on an Automated Retrospective Classification Approach. <i>Remote Sensing</i> , 2021, 13, 1694.	4.0	25
7	Geo-Spatial Analysis of Population Density and Annual Income to Identify Large-Scale Socio-Demographic Disparities. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 432.	2.9	11
8	Identification of Construction Areas from VHR-Satellite Images for Macroeconomic Forecasts. <i>Remote Sensing</i> , 2021, 13, 2618.	4.0	5
9	Remote Sensing for Short-Term Economic Forecasts. <i>Sustainability</i> , 2021, 13, 9593.	3.2	2
10	Geospatial Data Analysis and Economic Evaluation of Companies for Sustainable Business Development – An Interdisciplinary Teaching Approach. <i>Sustainability</i> , 2021, 13, 11245.	3.2	2
11	Creating and Testing Explainer Videos for Earth Observation. <i>Remote Sensing</i> , 2021, 13, 4178.	4.0	2
12	Trustworthy COVID-19 Mapping: Geo-spatial Data Literacy Aspects of Choropleth Maps. <i>KN - Journal of Cartography and Geographic Information</i> , 2020, 70, 155-161.	2.4	35
13	Augmented Reality and Virtual Reality Applications Based on Satellite-Borne and ISS-Borne Remote Sensing Data for School Lessons. <i>PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science</i> , 2020, 88, 187-198.	1.1	9
14	Digital Data Literacy in an Economic World: Geo-Spatial Data Literacy Aspects. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 373.	2.9	10
15	DIEGO: A Multispectral Thermal Mission for Earth Observation on the International Space Station. <i>European Journal of Remote Sensing</i> , 2020, 53, 28-38.	3.5	8
16	Determinants of residential location choices by slum dwellers in Lagos megacity. <i>Cities</i> , 2020, 98, 102589.	5.6	14
17	Bringing Earth Observation to Schools with Digital Integrated Learning Environments. <i>Remote Sensing</i> , 2020, 12, 345.	4.0	15
18	Data Sources. , 2020, , 3-38.		3

#	ARTICLE	IF	CITATIONS
19	Foreword to the European journal of remote sensing special issue: urban remote sensing – challenges and solutions. European Journal of Remote Sensing, 2019, 52, 1-1.	3.5	2
20	Simulating slum growth in Lagos: An integration of rule based and empirical based model. Computers, Environment and Urban Systems, 2019, 77, 101369.	7.1	19
21	Augmented Reality applications as digital experiments for education – An example in the Earth-Moon System. Acta Astronautica, 2019, 161, 66-74.	3.2	43
22	Automated Detection of Field Monuments in Digital Terrain Models of Westphalia Using OBIA. Geosciences (Switzerland), 2019, 9, 109.	2.2	16
23	Using ISS Earth Observation in Augmented and Virtual Reality to Reach the Next Generation of the Stem Workforce. , 2019, , .		0
24	Spationomy – Spatial Exploration of Economic Data – an Interdisciplinary Geomatics Project. KN - Journal of Cartography and Geographic Information, 2018, 68, 66-71.	2.4	4
25	Urban Development in West Africa – Monitoring and Intensity Analysis of Slum Growth in Lagos: Linking Pattern and Process. Remote Sensing, 2018, 10, 1044.	4.0	30
26	Detecting Unknown Artificial Urban Surface Materials Based on Spectral Dissimilarity Analysis. Sensors, 2017, 17, 1826.	3.8	12
27	Foreword to the Special Issue on Urban Remote Sensing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1763-1766.	4.9	2
28	3D remote sensing and urban remote sensing. International Journal of Remote Sensing, 2016, 37, 3437-3438.	2.9	2
29	Identifying pure urban image spectra using a learning urban image spectral archive (LUISA). Proceedings of SPIE, 2016, , .	0.8	3
30	Derivation of tasseled cap coefficients for RapidEye data. Proceedings of SPIE, 2014, , .	0.8	4
31	Foreword to the Special Issue on Human Settlement Observation and Monitoring from Space. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3995-3997.	4.9	2
32	Foreword to the Special Issue on Human Settlement Monitoring Using Multiple Earth Observation Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 1071-1075.	4.9	4
33	Learning English and Irish via satellite images and aerial photographs. Planet, 2012, 26, 31-35.	0.1	0
34	Multi-criteria spatial decision support system for valuation of open spaces for urban planning. , 2011, , .		6
35	Foreword to the Special Issue on – Human Settlements: A Global Remote Sensing Challenge – IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 5-7.	4.9	18
36	Land use/land cover classification for applied urban planning - the challenge of automation. , 2011, , .		9

#	ARTICLE	IF	CITATIONS
37	Geomonitoring for energy efficiency. , 2011, , .		0
38	Urban and Suburban Areas as a Research Topic for Remote Sensing. Remote Sensing and Digital Image Processing, 2010, , 1-9.	0.7	12
39	Adoption and future perspective of precision farming in Germany: results of several surveys among different agricultural target groups. Precision Agriculture, 2009, 10, 73-94.	6.0	129
40	Soil erosion assessment by means of LANDSAT-TM and ancillary digital data in relation to water quality. Soil and Tillage Research, 1993, 6, 215-223.	0.4	24
41	Developing and Evaluating Simplified Tools for Image Processing in a Problem-Based Learning Environment for Earth Observation. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 0, , .	1.1	0