

Jana Kolassa

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,026
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	Regionally strong feedbacks between the atmosphere and terrestrial biosphere. <i>Nature Geoscience</i> , 2017, 10, 410-414.	12.9	197
2	Soil Moisture Retrieval Using Neural Networks: Application to SMOS. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 5991-6007.	6.3	116
3	Version 4 of the SMAP Level-4 Soil Moisture Algorithm and Data Product. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3106-3130.	3.8	104
4	Global Assessment of the SMAP Level-4 Surface and Root-Zone Soil Moisture Product Using Assimilation Diagnostics. <i>Journal of Hydrometeorology</i> , 2017, 18, 3217-3237.	1.9	101
5	Water, Energy, and Carbon with Artificial Neural Networks (WECANN): a statistically based estimate of global surface turbulent fluxes and gross primary productivity using solar-induced fluorescence. <i>Biogeosciences</i> , 2017, 14, 4101-4124.	3.3	97
6	Estimating surface soil moisture from SMAP observations using a Neural Network technique. <i>Remote Sensing of Environment</i> , 2018, 204, 43-59.	11.0	85
7	Soil moisture retrieval from AMSR-E and ASCAT microwave observation synergy. Part 1: Satellite data analysis. <i>Remote Sensing of Environment</i> , 2016, 173, 1-14.	11.0	53
8	Global downscaling of remotely sensed soil moisture using neural networks. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5341-5356.	4.9	48
9	Merging active and passive microwave observations in soil moisture data assimilation. <i>Remote Sensing of Environment</i> , 2017, 191, 117-130.	11.0	44
10	Soil moisture retrieval from AMSR-E and ASCAT microwave observation synergy. Part 2: Product evaluation. <i>Remote Sensing of Environment</i> , 2017, 195, 202-217.	11.0	42
11	Soil moisture retrieval from multi-instrument observations: Information content analysis and retrieval methodology. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4847-4859.	3.3	35
12	Regional impacts of COVID-19 on carbon dioxide detected worldwide from space. <i>Science Advances</i> , 2021, 7, eabf9415.	10.3	33
13	Data Assimilation to Extract Soil Moisture Information from SMAP Observations. <i>Remote Sensing</i> , 2017, 9, 1179.	4.0	25
14	A joint analysis of modeled soil moisture fields and satellite observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6771-6782.	3.3	19
15	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. <i>Biogeosciences</i> , 2013, 10, 8305-8328.	3.3	11
16	An Observation-Driven Approach to Improve Vegetation Phenology in a Global Land Surface Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002083.	3.8	8
17	Assimilation of SMAP Brightness Temperature Observations in the GEOS Land Atmosphere Data Assimilation System. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 10628-10643.	4.9	6
18	Skillful Seasonal Forecasts of Land Carbon Uptake in Northern Mid- and High Latitudes. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2