Jana Kolassa

List of Publications by Year
in descending order

18	1,026	623734	839539
papers	citations	14	18
		h-index	g-index

18	18	18	1814
all docs	docs citations	times ranked	citing authors

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