

John D Bolten

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,246
citations

471509

17
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the Utility of Remotely Sensed Soil Moisture Retrievals for Operational Agricultural Drought Monitoring. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 57-66.	4.9	299
2	Information theoretic evaluation of satellite soil moisture retrievals. Remote Sensing of Environment, 2018, 204, 392-400.	11.0	89
3	Adequacy of Satellite-derived Precipitation Estimate for Hydrological Modeling in Vietnam Basins. Journal of Hydrology, 2020, 586, 124820.	5.4	80
4	A comparative study of available water in the major river basins of the world. Journal of Hydrology, 2018, 567, 510-532.	5.4	73
5	Variation of Hydrometeorological Conditions along a Topographic Transect in Northwestern Mexico during the North American Monsoon. Journal of Climate, 2007, 20, 1792-1809.	3.2	69
6	Satellite observations and modeling to understand the Lower Mekong River Basin streamflow variability. Journal of Hydrology, 2018, 564, 559-573.	5.4	59
7	Improved Hydrological Decision Support System for the Lower Mekong River Basin Using Satellite-Based Earth Observations. Remote Sensing, 2018, 10, 885.	4.0	59
8	Evaluating the Operational Application of SMAP for Global Agricultural Drought Monitoring. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3387-3397.	4.9	52
9	Mapping Land Use Land Cover Change in the Lower Mekong Basin From 1997 to 2010. Frontiers in Environmental Science, 2020, 8, .	3.3	45
10	Benchmarking a Soil Moisture Data Assimilation System for Agricultural Drought Monitoring. Journal of Hydrometeorology, 2014, 15, 1117-1134.	1.9	44
11	Flood mapping in the lower Mekong River Basin using daily MODIS observations. International Journal of Remote Sensing, 2017, 38, 1737-1757.	2.9	41
12	Agricultural Drought Monitoring via the Assimilation of SMAP Soil Moisture Retrievals Into a Global Soil Water Balance Model. Frontiers in Big Data, 2020, 3, 10.	2.9	38
13	Ground and satellite based observation datasets for the Lower Mekong River Basin. Data in Brief, 2018, 21, 2020-2027.	1.0	30
14	Evaluation of Satellite-Based Rainfall Estimates in the Lower Mekong River Basin (Southeast Asia). Remote Sensing, 2019, 11, 2709.	4.0	30
15	Web-based decision support system tools: The Soil and Water Assessment Tool Online visualization and analyses (SWATOnline) and NASA earth observation data downloading and reformatting tool (NASAaccess). Environmental Modelling and Software, 2019, 120, 104499.	4.5	29
16	Comparison and Bias Correction of TMPA Precipitation Products over the Lower Part of Redâ€“Thai Binh River Basin of Vietnam. Remote Sensing, 2018, 10, 1582.	4.0	25
17	The Value of Near Real-Time Earth Observations for Improved Flood Disaster Response. Frontiers in Environmental Science, 2019, 7, .	3.3	25
18	Application of GRACE to the estimation of groundwater storage change in a dataâ€“poor region: A case study of Ngadda catchment in the Lake Chad Basin. Hydrological Processes, 2020, 34, 941-955.	2.6	19

#	ARTICLE	IF	CITATIONS
19	Developing Land Use Land Cover Maps for the Lower Mekong Basin to Aid Hydrologic Modeling and Basin Planning. <i>Remote Sensing</i> , 2018, 10, 1910.	4.0	17
20	NCA-LDAS: Overview and Analysis of Hydrologic Trends for the National Climate Assessment. <i>Journal of Hydrometeorology</i> , 2019, 20, 1595-1617.	1.9	17
21	Socioeconomic Impact Evaluation for Near Real-Time Flood Detection in the Lower Mekong River Basin. <i>Hydrology</i> , 2018, 5, 23.	3.0	16
22	Toward operational validation systems for global satellite-based terrestrial essential climate variables. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 95, 102240.	2.8	15
23	Diagnosing challenges and setting priorities for sustainable water resource management under climate change. <i>Scientific Reports</i> , 2022, 12, 796.	3.3	15
24	Exploring Spatiotemporal Relations between Soil Moisture, Precipitation, and Streamflow for a Large Set of Watersheds Using Google Earth Engine. <i>Water (Switzerland)</i> , 2020, 12, 1371.	2.7	13
25	Developing a strategy for the national coordinated soil moisture monitoring network. <i>Vadose Zone Journal</i> , 2021, 20, e20139.	2.2	13
26	Earth Observations and Integrative Models in Support of Food and Water Security. <i>Remote Sensing in Earth Systems Sciences</i> , 2019, 2, 18-38.	1.8	11
27	Assessing the Impact of Soil Layer Depth Specification on the Observability of Modeled Soil Moisture and Brightness Temperature. <i>Journal of Hydrometeorology</i> , 2020, 21, 2041-2060.	1.9	9
28	Assimilation of SMAP Products for Improving Streamflow Simulations over Tropical Climate Region—Is Spatial Information More Important Than Temporal Information?. <i>Remote Sensing</i> , 2022, 14, 1607.	4.0	9
29	Assessment of the Biomass Productivity Decline in the Lower Mekong Basin. <i>Remote Sensing</i> , 2019, 11, 2796.	4.0	4