

Sujan Koirala

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

4,232
citations

430874

18
h-index

526287

27
g-index

57
all docs

57
docs citations

57
times ranked

6434
citing authors

#	ARTICLE	IF	CITATIONS
1	Environment-sensitivity functions for gross primary productivity in light use efficiency models. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108708.	4.8	27
2	Vertically Divergent Responses of SOC Decomposition to Soil Moisture in a Changing Climate. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	2
3	Characterizing the Response of Vegetation Cover to Water Limitation in Africa Using Geostationary Satellites. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	3
4	The importance of vegetation in understanding terrestrial water storage variations. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1089-1109.	4.9	8
5	Towards hybrid modeling of the global hydrological cycle. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1579-1614.	4.9	39
6	Global sensitivities of forest carbon changes to environmental conditions. <i>Global Change Biology</i> , 2021, 27, 6467-6483.	9.5	14
7	Future snow projections in a small basin of the Western Himalaya. <i>Science of the Total Environment</i> , 2021, 795, 148587.	8.0	24
8	Mapping global forest age from forest inventories, biomass and climate data. <i>Earth System Science Data</i> , 2021, 13, 4881-4896.	9.9	42
9	Reply to Li et al.: Human societies began to play a significant role in global sediment transfer 4,000 years ago. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5571-5572.	7.1	2
10	Scaling carbon fluxes from eddy covariance sites to globe: synthesis and evaluation of the FLUXCOM approach. <i>Biogeosciences</i> , 2020, 17, 1343-1365.	3.3	323
11	Apparent ecosystem carbon turnover time: uncertainties and robust features. <i>Earth System Science Data</i> , 2020, 12, 2517-2536.	9.9	17
12	Earth System Model Evaluation Tool (ESMValTool) v2.0 – an extended set of large-scale diagnostics for quasi-operational and comprehensive evaluation of Earth system models in CMIP. <i>Geoscientific Model Development</i> , 2020, 13, 3383-3438.	3.6	69
13	The FLUXCOM ensemble of global land-atmosphere energy fluxes. <i>Scientific Data</i> , 2019, 6, 74.	5.3	337
14	Human and climate global-scale imprint on sediment transfer during the Holocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22972-22976.	7.1	91
15	Sensitivity of Global Hydrological Simulations to Groundwater Capillary Flux Parameterizations. <i>Water Resources Research</i> , 2019, 55, 402-425.	4.2	15
16	Understanding terrestrial water storage variations in northern latitudes across scales. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4061-4082.	4.9	20
17	Long-term Changes in Global Socioeconomic Benefits of Flood Defenses and Residual Risk Based on CMIP5 Climate Models. <i>Earth's Future</i> , 2018, 6, 938-954.	6.3	22
18	Global distribution of groundwater-vegetation spatial covariation. <i>Geophysical Research Letters</i> , 2017, 44, 4134-4142.	4.0	91

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19	Modeling complex flow dynamics of fluvial floods exacerbated by sea level rise in the Gangesâ€“Brahmaputraâ€“Meghna Delta. Environmental Research Letters, 2015, 10, 124011.	5.2	40
20	Incorporation of groundwater pumping in a global Land Surface Model with the representation of human impacts. Water Resources Research, 2015, 51, 78-96.	4.2	162
21	Globalâ€“scale land surface hydrologic modeling with the representation of water table dynamics. Journal of Geophysical Research D: Atmospheres, 2014, 119, 75-89.	3.3	93
22	Global flood risk under climate change. Nature Climate Change, 2013, 3, 816-821.	18.8	1,892
23	Projection of glacier mass changes under a high-emission climate scenario using the global glacier model HYOGA2. Hydrological Research Letters, 2013, 7, 6-11.	0.5	40
24	Comparing Large-Scale Hydrological Model Simulations to Observed Runoff Percentiles in Europe. Journal of Hydrometeorology, 2012, 13, 604-620.	1.9	135
25	Incorporating Anthropogenic Water Regulation Modules into a Land Surface Model. Journal of Hydrometeorology, 2012, 13, 255-269.	1.9	226
26	SPATIAL AND TEMPORAL ESTIMATION OF GLOBAL WATER WITHDRAWALS FROM 1950 TO 2000 BASED ON STATISTICAL DATA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, L_217-L_222.	0.1	4
27	Multimodel Estimate of the Global Terrestrial Water Balance: Setup and First Results. Journal of Hydrometeorology, 2011, 12, 869-884.	1.9	466