Sujan Koirala

List of Publications by Year in descending order

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	Global flood risk under climate change. Nature Climate Change, 2013, 3, 816-821.	18.8	1,892
2	Multimodel Estimate of the Global Terrestrial Water Balance: Setup and First Results. Journal of Hydrometeorology, 2011, 12, 869-884.	1.9	466
3	The FLUXCOM ensemble of global land-atmosphere energy fluxes. Scientific Data, 2019, 6, 74.	5.3	337
4	Scaling carbon fluxes from eddy covariance sites to globe: synthesis and evaluation of the FLUXCOM approach. Biogeosciences, 2020, 17, 1343-1365.	3.3	323
5	Incorporating Anthropogenic Water Regulation Modules into a Land Surface Model. Journal of Hydrometeorology, 2012, 13, 255-269.	1.9	226
6	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
7	Comparing Large-Scale Hydrological Model Simulations to Observed Runoff Percentiles in Europe. Journal of Hydrometeorology, 2012, 13, 604-620.	1.9	135
8	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
9	Global distribution of groundwaterâ€vegetation spatial covariation. Geophysical Research Letters, 2017, 44, 4134-4142.	4.0	91
10	Human and climate global-scale imprint on sediment transfer during the Holocene. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22972-22976.	7.1	91
11	Earth System Model Evaluation Tool (ESMValTool) v2.0 â€“ an extended set of large-scale diagnostics for quasi-operational and comprehensive evaluation of Earth system models in CMIP. Geoscientific Model Development, 2020, 13, 3383-3438.	3.6	69
12	Mapping global forest age from forest inventories, biomass and climate data. Earth System Science Data, 2021, 13, 4881-4896.	9.9	42
13	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
14	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
15	Towards hybrid modeling of the global hydrological cycle. Hydrology and Earth System Sciences, 2022, 26, 1579-1614.	4.9	39
16	Environment-sensitivity functions for gross primary productivity in light use efficiency models. Agricultural and Forest Meteorology, 2022, 312, 108708.	4.8	27
17	Future snow projections in a small basin of the Western Himalaya. Science of the Total Environment, 2021, 795, 148587.	8.0	24
18	Longâ€Term Changes in Global Socioeconomic Benefits of Flood Defenses and Residual Risk Based on CMIP5 Climate Models. Earth's Future, 2018, 6, 938-954.	6.3	22

#	Article	IF	Citations
19	Understanding terrestrial water storage variations in northern latitudes across scales. Hydrology and Earth System Sciences, 2018, 22, 4061-4082.	4.9	20
20	Apparent ecosystem carbon turnover time: uncertainties and robust features. Earth System Science Data, 2020, 12, 2517-2536.	9.9	17
21	Sensitivity of Global Hydrological Simulations to Groundwater Capillary Flux Parameterizations. Water Resources Research, 2019, 55, 402-425.	4.2	15
22	Global sensitivities of forest carbon changes to environmental conditions. Global Change Biology, 2021, 27, 6467-6483.	9.5	14
23	The importance of vegetation in understanding terrestrial water storage variations. Hydrology and Earth System Sciences, 2022, 26, 1089-1109.	4.9	8
24	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, I_217-I_222.	0.1	4
25	Characterizing the Response of Vegetation Cover to Water Limitation in Africa Using Geostationary Satellites. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	3
26	Reply to Li et al.: Human societies began to play a significant role in global sediment transfer 4,000 years ago. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5571-5572.	7.1	2
27	Vertically Divergent Responses of SOC Decomposition to Soil Moisture in a Changing Climate. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	2