

Saket Pande

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,574
citations

516710

16
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
2	Sociohydrology: Scientific Challenges in Addressing the Sustainable Development Goals. <i>Water Resources Research</i> , 2019, 55, 6327-6355.	4.2	226
3	Progress in sociohydrology: a meta-analysis of challenges and opportunities. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1193.	6.5	116
4	A sociohydrological model for smallholder farmers in Maharashtra, India. <i>Water Resources Research</i> , 2016, 52, 1923-1947.	4.2	61
5	Weighted Bankruptcy Rules and Transboundary Water Resources Allocation. <i>Water Resources Management</i> , 2015, 29, 2303-2321.	3.9	49
6	Global phosphorus recovery from wastewater for agricultural reuse. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5781-5799.	4.9	47
7	Laboratory Calibration and Performance Evaluation of Low-Cost Capacitive and Very Low-Cost Resistive Soil Moisture Sensors. <i>Sensors</i> , 2020, 20, 363.	3.8	46
8	Norms and values in sociohydrological models. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1337-1349.	4.9	44
9	Anthropogenic Modifications and River Ecosystem Services: A Landscape Perspective. <i>Water (Switzerland)</i> , 2020, 12, 2706.	2.7	43
10	Rural unemployment pushes migrants to urban areas in Jiangsu Province, China. <i>Palgrave Communications</i> , 2019, 5, .	4.7	43
11	Addressing diarrhea prevalence in the West African Middle Belt: social and geographic dimensions in a case study for Benin. <i>International Journal of Health Geographics</i> , 2008, 7, 17.	2.5	32
12	Understanding the effect of socio-economic characteristics and psychosocial factors on household water treatment practices in rural Nepal using Bayesian Belief Networks. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 847-855.	4.3	32
13	Uncertainty assessment of the agro-hydrological SWAP model application at field scale: A case study in a dry region. <i>Agricultural Water Management</i> , 2014, 146, 324-334.	5.6	26
14	Assessment of rain-gauge networks using a probabilistic GIS based approach. <i>Hydrology Research</i> , 2014, 45, 551-562.	2.7	24
15	On hydrological model complexity, its geometrical interpretations and prediction uncertainty. <i>Water Resources Research</i> , 2013, 49, 7048-7063.	4.2	23
16	Diagnosis of GLDAS LSM based aridity index and dryland identification. <i>Journal of Environmental Management</i> , 2013, 119, 162-172.	7.8	22
17	Water valuation at basin scale with application to western India. <i>Ecological Economics</i> , 2011, 70, 2416-2428.	5.7	20
18	Socio-environmental drivers of sustainable adoption of household water treatment in developing countries. <i>Npj Clean Water</i> , 2018, 1, .	8.0	20

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19	A Parsimonious Hydrological Model for a Data Scarce Dryland Region. <i>Water Resources Management</i> , 2012, 26, 909-926.	3.9	16
20	Quantile hydrologic model selection and model structure deficiency assessment: 1. Theory. <i>Water Resources Research</i> , 2013, 49, 5631-5657.	4.2	15
21	Complexity-based robust hydrologic prediction. <i>Water Resources Research</i> , 2009, 45, .	4.2	14
22	The effect of socio-economic characteristics on the use of household water treatment via psychosocial factors: a mediation analysis. <i>Hydrological Sciences Journal</i> , 2020, 65, 2350-2358.	2.6	14
23	A hierarchical Bayesian Belief Network model of household water treatment behaviour in a suburban area: A case study of Palu—Indonesia. <i>PLoS ONE</i> , 2020, 15, e0241904.	2.5	13
24	Socio-Economic and Psychological Determinants for Household Water Treatment Practices in Indigenous—Rural Indonesia. <i>Frontiers in Water</i> , 2021, 3, .	2.3	12
25	Valuing certainty in a consensus-based water allocation mechanism. <i>Water Resources Research</i> , 2007, 43, .	4.2	11
26	Parameter-dependent convergence bounds and complexity measure for a class of conceptual hydrological models. <i>Journal of Hydroinformatics</i> , 2012, 14, 443-463.	2.4	11
27	Quantile hydrologic model selection and model structure deficiency assessment: 2. Applications. <i>Water Resources Research</i> , 2013, 49, 5658-5673.	4.2	10
28	Interlinkages between human agency, water use efficiency and sustainable food production. <i>Journal of Hydrology</i> , 2020, 582, 124524.	5.4	10
29	Endogeneity in water use behaviour across case studies of household water treatment adoption in developing countries. <i>World Development Perspectives</i> , 2022, 25, 100385.	2.0	10
30	A Bayesian Belief Network model to link sanitary inspection data to drinking water quality in a medium resource setting in rural Indonesia. <i>Scientific Reports</i> , 2020, 10, 18867.	3.3	9
31	The role of soil moisture accounting in estimation of soil evaporation and transpiration. <i>Journal of Hydroinformatics</i> , 2016, 18, 329-344.	2.4	8
32	Hydrological Interpretation of a Statistical Measure of Basin Complexity. <i>Water Resources Research</i> , 2018, 54, 7403-7416.	4.2	8
33	A socio-hydrological comparative assessment explaining regional variances in suicide rate amongst farmers in Maharashtra, India. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 115-118.	1.0	8
34	THE COSTATE VARIABLE IN A STOCHASTIC RENEWABLE RESOURCE MODEL. <i>Natural Resource Modelling</i> , 2006, 19, 45-66.	2.0	7
35	The dynamics of farmer migration and resettlement in the Dhidhessa River Basin, Ethiopia. <i>Hydrological Sciences Journal</i> , 2020, 65, 1985-1993.	2.6	6
36	Water Use Efficiency: A Review of Contextual and Behavioral Factors. <i>Frontiers in Water</i> , 2021, 3, .	2.3	6

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37	Financial, institutional, environmental, technical, and social (FIETS) aspects of water, sanitation, and hygiene conditions in indigenous - rural Indonesia. BMC Public Health, 2021, 21, 1723.	2.9	6
38	Behavioral and socio-economic factors controlling irrigation adoption in Maharashtra, India. Hydrological Sciences Journal, 2022, 67, 847-857.	2.6	5
39	Fixed endpoint optimal control. Economic Theory, 2005, 26, 1007-1012.	0.9	4
40	Prospects of interventions to alleviate ruralâ€“urban migration in Jiangsu Province, China based on sensitivity and scenario analysis. Hydrological Sciences Journal, 2020, 65, 2175-2184.	2.6	3
41	Securing food under adverse climate and socioeconomic scenarios in Jiangsu Province, China: Critical role of human adaptation under change. Journal of Hydrology, 2021, 598, 126344.	5.4	3
42	Hydro-social metabolism: scaling of birth rate with regional water use. Palgrave Communications, 2018, 4, .	4.7	3
43	Smallholder Farmer's Adaptability to Anthropogenic and Climate-Induced Variability in the Dhidhessa River Sub-basin, Ethiopia. Frontiers in Water, 2021, 3, .	2.3	3
44	Combining Water Resources, Socioenvironmental, and Psychological Factors in Assessing Willingness to Conserve Groundwater in the Vietnamese Mekong Delta. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	3
45	An operational sociohydrological model to understand the feedbacks between community sensitivity and environmental flows for an endorheic lake basin, lake Bakhtegan, Iran. Journal of Hydrology, 2022, 605, 127375.	5.4	2
46	On the linkage between hydrology and societyâ€“learning from history about two-way interactions for sustainable development. Water History, 2020, 12, 387-402.	1.3	0