

Priyantha Ranjan Sarukkalige

List of Publications by Year in descending order

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49
papers

1,579
citations

448610

19
h-index

340414

39
g-index

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all docs

50
docs citations

50
times ranked

2381
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Removal Kinetics, Bio-Accumulation and Plant Response to Nutrient Availability in Floating Treatment Wetland for Stormwater Treatment. <i>Water (Switzerland)</i> , 2022, 14, 1683.	1.2	0
2	A Review on Evapotranspiration Estimation in Agricultural Water Management: Past, Present, and Future. <i>Hydrology</i> , 2022, 9, 123.	1.3	35
3	Annual and seasonal precipitation trends and their attributions in the Qinling Mountains, a climate transitional zone in China. <i>Theoretical and Applied Climatology</i> , 2021, 144, 401-413.	1.3	14
4	Climate vs. Human Impact: Quantitative and Qualitative Assessment of Streamflow Variation. <i>Water (Switzerland)</i> , 2021, 13, 2404.	1.2	9
5	Evaluation of non-uniform groundwater level data using spatiotemporal modeling. <i>Groundwater for Sustainable Development</i> , 2021, 15, 100659.	2.3	6
6	Review of hydraulics of Floating Treatment Islands retrofitted in waterbodies receiving stormwater. <i>Science of the Total Environment</i> , 2021, 801, 149526.	3.9	12
7	The application of conceptual modelling to assess the impacts of future climate change on the hydrological response of the Harvey River catchment. <i>Journal of Hydro-Environment Research</i> , 2020, 28, 22-33.	1.0	24
8	Comparative study of conceptual versus distributed hydrologic modelling to evaluate the impact of climate change on future runoff in unregulated catchments. <i>Journal of Water and Climate Change</i> , 2020, 11, 341-366.	1.2	21
9	Innovative Trend Analysis of Air Temperature and Precipitation in the Jinsha River Basin, China. <i>Water (Switzerland)</i> , 2020, 12, 3293.	1.2	15
10	Estimation of probable maximum precipitation at three provinces in Northeast Vietnam using historical data and future climate change scenarios. <i>Journal of Hydrology: Regional Studies</i> , 2019, 23, 100599.	1.0	12
11	The application of conceptual modelling approach to evaluate the impacts of climate change on the future streamflow in three unregulated catchments of the Australian hydrologic reference stations. <i>International Journal of Hydrology Science and Technology</i> , 2019, 9, 494.	0.2	2
12	Hydrological impacts of climate change on the future streamflow of three unregulated catchments of the Australian hydrologic reference stations. <i>International Journal of Hydrology Science and Technology</i> , 2019, 9, 366.	0.2	1
13	Evaluation of streamflow changes due to climate variation and human activities using the Budyko approach. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	17
14	Kinetics of oxalate degradation in aerated packed-bed biofilm reactors under nitrogen supplemented and deficient conditions. <i>Journal of Cleaner Production</i> , 2019, 211, 270-280.	4.6	6
15	Hydrological impacts of climate change on the future streamflow of three unregulated catchments of the Australian hydrologic reference stations. <i>International Journal of Hydrology Science and Technology</i> , 2019, 9, 366.	0.2	3
16	The application of conceptual modelling approach to evaluate the impacts of climate change on the future streamflow in three unregulated catchments of the Australian hydrologic reference stations. <i>International Journal of Hydrology Science and Technology</i> , 2019, 9, 494.	0.2	2
17	Influences of pH and organic carbon on oxalate removal by alkaliphilic biofilms acclimatized to nitrogen-deficient and supplemented conditions. <i>Journal of Cleaner Production</i> , 2018, 187, 699-707.	4.6	3
18	Evaluation of empirical relationships between extreme rainfall and daily maximum temperature in Australia. <i>Journal of Hydrology</i> , 2018, 556, 1171-1181.	2.3	47

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19	Intermittent stream flow forecasting and modelling with hybrid wavelet neuro-fuzzy model. <i>Hydrology Research</i> , 2018, 49, 27-40.	1.1	21
20	Oxalate degradation by alkaliphilic biofilms acclimatised to nitrogen-supplemented and nitrogen-deficient conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 744-753.	1.6	5
21	Rapid start-up of a bioelectrochemical system under alkaline and saline conditions for efficient oxalate removal. <i>Bioresource Technology</i> , 2018, 250, 317-327.	4.8	12
22	Evaluation of the impacts of future hydrological changes on the sustainable water resources management of the Richmond River catchment. <i>Journal of Water and Climate Change</i> , 2018, 9, 137-155.	1.2	9
23	Surfactant-enhanced remediation of polycyclic aromatic hydrocarbons: A review. <i>Journal of Environmental Management</i> , 2017, 199, 46-61.	3.8	188
24	Sequential solid entrapment and in situ electrolytic alkaline hydrolysis facilitated reagent-free bioelectrochemical treatment of particulate-rich municipal wastewater. <i>Water Research</i> , 2017, 117, 18-26.	5.3	2
25	Assessment of future climate change impacts on hydrological behavior of Richmond River Catchment. <i>Water Science and Engineering</i> , 2017, 10, 197-208.	1.4	23
26	Bioelectrochemical oxidation of organics by alkali-halotolerant anodophilic biofilm under nitrogen-deficient, alkaline and saline conditions. <i>Bioresource Technology</i> , 2017, 245, 890-898.	4.8	7
27	An alternative approach to student assessment for engineering laboratory learning. <i>Australasian Journal of Engineering Education</i> , 2017, 22, 81-94.	0.2	12
28	Improving Ann-Based Short-Term and Long-Term Seasonal River Flow Forecasting with Signal Processing Techniques. <i>River Research and Applications</i> , 2016, 32, 245-256.	0.7	16
29	Assessing the suitability of sediment-type bioelectrochemical systems for organic matter removal from municipal wastewater: a column study. <i>Water Science and Technology</i> , 2016, 74, 974-984.	1.2	3
30	A bio-anodic filter facilitated entrapment, decomposition and in situ oxidation of algal biomass in wastewater effluent. <i>Bioresource Technology</i> , 2016, 216, 529-536.	4.8	7
31	Evaluation of phosphorus adsorption capacity of various filter materials from aqueous solution. <i>Adsorption Science and Technology</i> , 2016, 34, 320-330.	1.5	15
32	Bioelectrochemical system as an oxidising filter for soluble and particulate organic matter removal from municipal wastewater. <i>Chemical Engineering Journal</i> , 2016, 296, 225-233.	6.6	10
33	Polycyclic aromatic hydrocarbons (PAHs) removal by sorption: A review. <i>Chemosphere</i> , 2016, 148, 336-353.	4.2	346
34	A spatial temporal downscaling approach to development of IDF relations for Perth airport region in the context of climate change. <i>Hydrological Sciences Journal</i> , 2016, 61, 2061-2070.	1.2	33
35	Hourly runoff forecasting for flood risk management: Application of various computational intelligence models. <i>Journal of Hydrology</i> , 2015, 529, 1633-1643.	2.3	74
36	Estimation of the effects of climate change on flood-triggered economic losses in Japan. <i>International Journal of Disaster Risk Reduction</i> , 2014, 9, 58-67.	1.8	31

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37	Impact of multi-resolution analysis of artificial intelligence models inputs on multi-step ahead river flow forecasting. <i>Journal of Hydrology</i> , 2013, 507, 75-85.	2.3	60
38	Evaluation of the inequality of water resources. <i>Water Management</i> , 2013, 166, 303-314.	0.4	1
39	A quantitative risk assessment of waterborne infectious disease in the inundation area of a tropical monsoon region. <i>Sustainability Science</i> , 2012, 7, 45-54.	2.5	31
40	Probabilistic modelling of rainfall induced landslide hazard assessment. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1047-1061.	1.9	51
41	Global scale evaluation of coastal fresh groundwater resources. <i>Ocean and Coastal Management</i> , 2009, 52, 197-206.	2.0	41
42	Assessment of water conflict in Mae Chaem River Basin, Northern Thailand. <i>Water International</i> , 2009, 34, 242-263.	0.4	9
43	Assessment of snowmelt triggered landslide hazard and risk in Japan. <i>Cold Regions Science and Technology</i> , 2009, 58, 120-129.	1.6	40
44	Estimating snow distribution over a large area and its application for water resources. <i>Hydrological Processes</i> , 2008, 22, 2315-2324.	1.1	32
45	Evaluation of groundwater resources in wide inundation areas of the Mekong River basin. <i>Journal of Hydrology</i> , 2007, 340, 233-243.	2.3	51
46	Characterization of firefly habitat using a geographical information system with hydrological simulation. <i>Ecological Modelling</i> , 2007, 209, 392-400.	1.2	19
47	Effects of climate change on coastal fresh groundwater resources. <i>Global Environmental Change</i> , 2006, 16, 388-399.	3.6	109
48	Effects of climate and land use changes on groundwater resources in coastal aquifers. <i>Journal of Environmental Management</i> , 2006, 80, 25-35.	3.8	85
49	Downscaling approach to develop future sub-daily IDF relations for Canberra Airport Region, Australia. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 369, 147-155.	1.0	4