

M S Mohan Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

600
citations

623699

14
h-index

610883

24
g-index

31
all docs

31
docs citations

31
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of seasonal local recharge using electrical resistivity tomography and magnetic resonance sounding. <i>Hydrological Processes</i> , 2008, 22, 384-394.	2.6	91
2	Groundwater resource vulnerability and spatial variability of nitrate contamination: Insights from high density tubewell monitoring in a hard rock aquifer. <i>Science of the Total Environment</i> , 2017, 579, 838-847.	8.0	61
3	The roots of the drought: Hydrology and water uptake strategies mediate forest-wide demographic response to precipitation. <i>Journal of Ecology</i> , 2018, 106, 1495-1507.	4.0	53
4	Resolution of MRS Applied to the Characterization of Hard-Rock Aquifers. <i>Ground Water</i> , 2006, 44, 547-554.	1.3	48
5	Potash fertilizer promotes incipient salinization in groundwater irrigated semi-arid agriculture. <i>Scientific Reports</i> , 2020, 10, 3691.	3.3	44
6	Estimation of soil hydraulic properties and their uncertainty: comparison between laboratory and field experiment. <i>Hydrological Processes</i> , 2010, 24, 3426-3435.	2.6	38
7	Towards an IoT based water management system for a campus. , 2015, , .		38
8	Upscaling of nanoparticle transport in porous media under unfavorable conditions: Pore scale to Darcy scale. <i>Journal of Contaminant Hydrology</i> , 2017, 200, 1-14.	3.3	30
9	Correlation equations for average deposition rate coefficients of nanoparticles in a cylindrical pore. <i>Water Resources Research</i> , 2015, 51, 8034-8059.	4.2	27
10	Geothermal reservoirs – A brief review. <i>Journal of the Geological Society of India</i> , 2012, 79, 589-602.	1.1	22
11	Modeling the co-transport of viruses and colloids in unsaturated porous media. <i>Journal of Contaminant Hydrology</i> , 2015, 181, 82-101.	3.3	22
12	Analytical solutions for transient temperature distribution in a geothermal reservoir due to cold water injection. <i>Hydrogeology Journal</i> , 2014, 22, 351-369.	2.1	18
13	Modelling flow through unsaturated zones: Sensitivity to unsaturated soil properties. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2001, 26, 517-528.	1.3	17
14	Modeling Equitable Distribution of Water: Dynamic Inversion-Based Controller Approach. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 607-619.	2.6	15
15	Virus-sized colloid transport in a single pore: Model development and sensitivity analysis. <i>Journal of Contaminant Hydrology</i> , 2014, 164, 163-180.	3.3	15
16	Real-Time Water Quality Modeling with Ensemble Kalman Filter for State and Parameter Estimation in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, 04019049.	2.6	13
17	Effect of Flow Velocity on Chlorine Decay in Water Distribution Network:A Pilot Loop Study. <i>Current Science</i> , 2016, 111, 1349.	0.8	9
18	Leak management in district metered areas with internal-pressure reducing valves. <i>Urban Water Journal</i> , 2020, 17, 714-722.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Analysis and Upscaling of Unsaturated Flow through Randomly Heterogeneous Soil. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	1.9	5
20	The Multiscale TROPICAL CatchmentS critical zone observatory M&TROPICS dataset III: Hydro&geochemical monitoring of the Mule Hole catchment, south India. Hydrological Processes, 2021, 35, e14196.	2.6	5
21	Direct and inverse modeling of seawater intrusion: A perspective. Journal of the Geological Society of India, 2017, 90, 595-601.	1.1	5
22	WaterOpt: a method for checking near-feasibility of continuous water supply. , 2016, , .		4
23	Effective flow and transport properties of heterogeneous unsaturated soils. Advances in Water Resources, 2020, 143, 103655.	3.8	4
24	Computer model for vedavati ground water basin. Part 2. Regional model. Sadhana - Academy Proceedings in Engineering Sciences, 1986, 9, 43-55.	1.3	3
25	Estimation of anisotropic hydraulic conductivity using geophysical data in a coastal aquifer of Karnataka, India. Hydrological Processes, 2021, 35, e14395.	2.6	3
26	Integrated Approach in the Quantitative and Qualitative Control of Water Distribution Systems through Control Systems. Journal of Hazardous, Toxic, and Radioactive Waste, 2012, 16, 142-157.	2.0	2
27	Autocalibration of dynamic bacterial growth model for water distribution system using GA. Journal of Water Supply: Research and Technology - AQUA, 2011, 60, 240-259.	1.4	1
28	Discussion of "Unsteady-State Inverse Chlorine Modeling in Pipe Networks" by A. S. Al-Omari and M. Hanif Chaudhry. Journal of Hydraulic Engineering, 2003, 129, 164-165.	1.5	0
29	Integrated Management of Water Supply for Large Cities. , 2017, , 611-632.		0
30	Conference on Water Resources of Peninsular India (CWRPI " 2020). Journal of the Geological Society of India, 2020, 95, 434-435.	1.1	0