

# Meenakshi Arora

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,284  
citations

331259

21  
h-index

288905

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the interaction between vegetation and infiltrated stormwater. <i>Journal of Hydrology</i> , 2022, 607, 127527.	2.3	5
2	An IUWM incorporated model to improve water supply reliability in intermittent and no service areas. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106248.	5.3	3
3	Comparative assessment of the characteristics and Cr(VI) removal activity of the bimetallic Fe/Cu nanoparticles pre- and post-coated with carboxymethyl cellulose. <i>Chemical Engineering Journal</i> , 2022, 444, 136343.	6.6	22
4	Porous media transport of iron nanoparticles for site remediation application: A review of lab scale column study, transport modelling and field-scale application. <i>Journal of Hazardous Materials</i> , 2021, 403, 123443.	6.5	48
5	Influence of Bioturbation on Hyporheic Exchange in Streams: Conceptual Model and Insights From Laboratory Experiments. <i>Water Resources Research</i> , 2021, 57, e2020WR028468.	1.7	10
6	Understanding the Impact of Soil Clay Mineralogy on the Adsorption Behavior of Zinc. <i>International Journal of Environmental Research</i> , 2021, 15, 559-569.	1.1	6
7	Sediment Reworking in Streambeds With Fine Sediment Deposits and Its Influence on Hyporheic Flow Regime. <i>Water Resources Research</i> , 2021, 57, .	1.7	5
8	A combined simulation-optimisation modelling framework for assessing the energy use of urban water systems. <i>Journal of Environmental Management</i> , 2020, 274, 111166.	3.8	10
9	Understanding streambeds as complex systems: review of multiple interacting environmental processes influencing streambed permeability. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	15
10	Distribution of clay-sized sediments in streambeds and influence of fine sediment clogging on hyporheic exchange. <i>Hydrological Processes</i> , 2020, 34, 5674-5685.	1.1	12
11	The changing nature of the water-energy nexus in urban water supply systems: a critical review of changes and responses. <i>Journal of Water and Climate Change</i> , 2020, 11, 1095-1122.	1.2	26
12	Sorption and transport behavior of zinc in the soil; Implications for stormwater management. <i>Geoderma</i> , 2020, 367, 114243.	2.3	14
13	Effects of urban forms on energy consumption of water supply in China. <i>Journal of Cleaner Production</i> , 2020, 253, 119960.	4.6	21
14	The Effect of Particle Size on Mine Waste Sulfide Oxidation Rates and Conceptual Treatment Costs. <i>Mine Water and the Environment</i> , 2019, 38, 735-745.	0.9	3
15	A comparison of measured and predicted diffusion coefficients applied to sand and silt sized acid mine drainage materials. <i>Journal of Environmental Management</i> , 2019, 231, 1106-1116.	3.8	6
16	Understanding the impact of hybrid water supply systems on wastewater and stormwater flows. <i>Resources, Conservation and Recycling</i> , 2018, 130, 82-94.	5.3	16
17	Integrated Evaluation of Hybrid Water Supply Systems Using a PROMETHEE-GAIA Approach. <i>Water (Switzerland)</i> , 2018, 10, 610.	1.2	25
18	Key sustainability challenges for the global phosphorus resource, their implications for global food security, and options for mitigation. <i>Journal of Cleaner Production</i> , 2017, 140, 945-963.	4.6	224

#	ARTICLE	IF	CITATIONS
19	Prediction of urban residential end-use water demands by integrating known and unknown water demand drivers at multiple scales II: Model application and validation. Resources, Conservation and Recycling, 2017, 118, 1-12.	5.3	27
20	Prediction of urban residential end-use water demands by integrating known and unknown water demand drivers at multiple scales I: Model development. Resources, Conservation and Recycling, 2017, 117, 85-92.	5.3	24
21	Impacts of Hydrological Alterations on Water Quality. , 2017, , 101-126.		8
22	An Integrated Framework for Assessment of Hybrid Water Supply Systems. Water (Switzerland), 2016, 8, 4.	1.2	28
23	Assessment of Sustainability of Urban Water Supply and Demand Management Options: A Comprehensive Approach. Water (Switzerland), 2016, 8, 595.	1.2	45
24	A novel substance flow analysis model for analysing multi-year phosphorus flow at the regional scale. Science of the Total Environment, 2016, 572, 1269-1280.	3.9	26
25	An Integrated Simulation and Visualisation Platform for the Design of Sustainable Urban Developments in a Peri-Urban Context. Water Science and Technology Library, 2016, , 575-587.	0.2	0
26	Governance issues in developing and implementing offsets for water management benefits: Can preliminary evaluation guide implementation effectiveness?. Wiley Interdisciplinary Reviews: Water, 2015, 2, 121-130.	2.8	4
27	Interactions between centralized and decentralized water systems in urban context: A review. Wiley Interdisciplinary Reviews: Water, 2015, 2, 623-634.	2.8	48
28	Fighting drought with innovation: Melbourne's response to the Millennium Drought in Southeast Australia. Wiley Interdisciplinary Reviews: Water, 2015, 2, 315-328.	2.8	48
29	An Overview of Hybrid Water Supply Systems in the Context of Urban Water Management: Challenges and Opportunities. Water (Switzerland), 2015, 7, 153-174.	1.2	62
30	Seasonal Demand Dynamics of Residential Water End-Uses. Water (Switzerland), 2015, 7, 202-216.	1.2	52
31	Factors affecting the variability of household water use in Melbourne, Australia. Resources, Conservation and Recycling, 2014, 92, 85-94.	5.3	36
32	A review of recent substance flow analyses of phosphorus to identify priority management areas at different geographical scales. Resources, Conservation and Recycling, 2014, 83, 213-228.	5.3	111
33	Water's "energy" greenhouse gas nexus of urban water systems: Review of concepts, state-of-art and methods. Resources, Conservation and Recycling, 2014, 89, 1-10.	5.3	193
34	Integrated Water Cycle Modelling of the Urban/Peri-urban Continuum. Water Science and Technology Library, 2014, , 11-26.	0.2	1
35	Modified Zeolites: Zeolites Modified with Organic Agents. , 2012, , 166-184.		0
36	The effect of temperature on toluene sorption by granular activated carbon and its use in permeable reactive barriers in cold regions. Cold Regions Science and Technology, 2011, 66, 12-16.	1.6	18

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37	Toluene sorption by granular activated carbon and its use in cold regions permeable reactive barrier: Fixed bed studies. Cold Regions Science and Technology, 2011, 69, 59-63.	1.6	9
38	Groundwater purification by membrane technology. The Environmentalist, 2011, 31, 20-25.	0.7	1
39	Surface modification of natural zeolite by chitosan and its use for nitrate removal in cold regions. Cold Regions Science and Technology, 2010, 62, 92-97.	1.6	69
40	Arsenic testing field kits: some considerations and recommendations. Environmental Geochemistry and Health, 2009, 31, 45-48.	1.8	28
41	Fluoride in drinking water and its removal. Journal of Hazardous Materials, 2006, 137, 456-463.	6.5	740
42	Groundwater quality in some villages of Haryana, India: focus on fluoride and fluorosis. Journal of Hazardous Materials, 2004, 106, 85-97.	6.5	136
43	Use of membrane technology for potable water production. Desalination, 2004, 170, 105-112.	4.0	99