

# Shashidhar Thatikonda

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,628  
citations

623188

14  
h-index

360668

35  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of spatio-temporal variation of hydroclimatic variables of the Krishna river basin under future scenarios. <i>International Journal of River Basin Management</i> , 2023, 21, 673-684.	1.5	0
2	Room-Temperature Toluene Decomposition by Catalytic Non-Thermal Plasma Reactor. <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 1416-1422.	0.6	4
3	Pharmaceutical pollution of the world's rivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	495
4	Oxidation of Toluene by Ozone over Surface-Modified $\gamma$ -Al <sub>2</sub> O <sub>3</sub> : Effect of Ag Addition. <i>Catalysts</i> , 2022, 12, 421.	1.6	4
5	Enhanced electrokinetic remediation (EKR) for heavy metal-contaminated sediments focusing on treatment of generated effluents from EKR and recovery of EDTA. <i>Water Environment Research</i> , 2021, 93, 136-147.	1.3	9
6	Enhanced Electrokinetic Removal of Heavy Metals from a Contaminated Lake Sediment for Ecological Risk Reduction. <i>Soil and Sediment Contamination</i> , 2021, 30, 12-34.	1.1	9
7	Ni and Cu oxide supported $\gamma$ -Al <sub>2</sub> O <sub>3</sub> packed DBD plasma reactor for CO <sub>2</sub> activation. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 44, 101400.	3.3	38
8	Varying Efficacies of Fenton's Oxidation Treatment on Pharmaceutical Industry Effluents of Contrasting Viscosity Profiles. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2000335.	0.7	2
9	Modeling Fluoroquinolone Resistance in Polluted Aquatic Environment of a River. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2021, 25, 04020080.	1.2	4
10	Prevalence and Absolute Quantification of NDM-1: a $\beta$ -Lactam Resistance Gene in Water Compartment of Lakes Surrounding Hyderabad, India. <i>Journal of Applied Science &amp; Process Engineering</i> , 2021, 8, 700-711.	0.0	1
11	Experimental and Numerical studies on remediation of mixed metal-contaminated sediments by electrokinetics focusing on fractionation changes. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 316.	1.3	5
12	Risk-Assessment Method to Forecast Health Hazards Correlated with Distribution of NDM-1 Gene in Waterbodies Surrounding Hyderabad, India. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, 04021013.	0.7	0
13	$\beta$ -Lactam Resistance Gene NDM-1 in the Aquatic Environment: A Review. <i>Current Microbiology</i> , 2021, 78, 3634-3643.	1.0	13
14	Distribution and ecological risks of heavy metals in Lake Hussain Sagar, India. <i>Acta Geochimica</i> , 2020, 39, 255-270.	0.7	20
15	Assessment of water resources and crop yield under future climate scenarios: A case study in a Warangal district of Telangana, India. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	13
16	Oxidative treatment of crude pharmaceutical industry effluent by hydrodynamic cavitation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104281.	3.3	15
17	Modeling transport of antibiotic resistant bacteria in aquatic environment using stochastic differential equations. <i>Scientific Reports</i> , 2020, 10, 15081.	1.6	6
18	RESILIENT: A robust statistical method for estimating multiple VOC sources from limited field measurements. <i>Heliyon</i> , 2020, 6, e05296.	1.4	0

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19	An industrial insight on treatment strategies of the pharmaceutical industry effluent with varying qualitative characteristics. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104190.	3.3	14
20	Evaluation of sustainability of river Krishna under present and future climate scenarios. <i>Science of the Total Environment</i> , 2020, 738, 140322.	3.9	8
21	Investigating the impact of climate and land-use land cover changes on hydrological predictions over the Krishna river basin under present and future scenarios. <i>Science of the Total Environment</i> , 2020, 721, 137736.	3.9	66
22	Study on Backwater Effect Due to Polavaram Dam Project under Different Return Periods. <i>Water (Switzerland)</i> , 2020, 12, 576.	1.2	12
23	Enhanced biogeochemical controls on dichromate speciation in subsoil containment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 193, 110327.	2.9	0
24	Fuzzy-Based Regional Water Quality Index for Surface Water Quality Assessment. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2019, 23, .	1.2	17
25	Sequential treatment of crude drug effluent for the elimination of API by combined electro-assisted coagulation-photocatalytic oxidation. <i>Journal of Water Process Engineering</i> , 2019, 28, 195-202.	2.6	13
26	Comprehensive Air Quality Management System for Rapidly Growing Cities in Developing Countries. , 2019, , .		2
27	Lab-Scale Biodegradation Study of BTEX under the Unsaturated Condition and Its Effect on Soil Matrix Potential. <i>Soil and Sediment Contamination</i> , 2019, 28, 171-183.	1.1	3
28	Fuzzy-based approach for evaluating groundwater sustainability of Asian cities. <i>Sustainable Cities and Society</i> , 2019, 44, 321-331.	5.1	22
29	Mathematical model for the transport of fluoroquinolone and its resistant bacteria in aquatic environment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20439-20452.	2.7	15
30	Analysis of rainfall extremes and water yield of Krishna river basin under future climate scenarios. <i>Journal of Hydrology: Regional Studies</i> , 2018, 19, 287-306.	1.0	41
31	Enhanced photocatalytic and antibacterial activity of plasma-reduced silver nanoparticles. <i>RSC Advances</i> , 2018, 8, 24827-24835.	1.7	9
32	Non-thermal atmospheric pressure plasma jet for the bacterial inactivation in an aqueous medium. <i>Science of the Total Environment</i> , 2018, 640-641, 493-500.	3.9	41
33	Proliferation of Ciprofloxacin Resistant Bacteria in Polluted Sediments of Musi River, India. <i>Soil and Sediment Contamination</i> , 2017, 26, 501-509.	1.1	8
34	Role of environmental pollution in prevalence of antibiotic resistant bacteria in aquatic environment of river: case of Musi river, South India. <i>Water and Environment Journal</i> , 2017, 31, 456-462.	1.0	34
35	Occurrence of High Levels of Fluoroquinolones in Aquatic Environment due to Effluent Discharges from Bulk Drug Manufacturers. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	1.2	52
36	Source localization via aermod-based simulation under mean squared error criterion: Demonstration using field data. , 2017, , .		2

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37	Groundwater Environment in Hyderabad, India. , 2016, , 109-132.		0
38	Water Environment in South Asia: An Introduction. , 2016, , 41-46.		1
39	Antibiotic Pollution in the Environment: A Review. Clean - Soil, Air, Water, 2015, 43, 479-489.	0.7	454
40	Potential ecological footprints of active pharmaceutical ingredients: an examination of risk factors in low-, middle- and high-income countries. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130586.	1.8	123
41	Design of a Passive Biobarrier System for Chromium Containment in Confined Aquifers. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2007, 11, 216-224.	0.4	3
42	Development and validation of a model of bio-barriers for remediation of Cr(VI) contaminated aquifers using laboratory column experiments. Journal of Hazardous Materials, 2007, 145, 437-452.	6.5	23
43	Bench-scale column experiments to study the containment of Cr(VI) in confined aquifers by bio-transformation. Journal of Hazardous Materials, 2006, 131, 200-209.	6.5	24
44	Stochastic Transmission Dynamic Model for Evaluating Effectiveness of Control Measures of COVID-19. SSRN Electronic Journal, 0, , .	0.4	2