

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	Pharmaceutical pollution of the world's rivers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	495
2	Antibiotic Pollution in the Environment: A Review. Clean - Soil, Air, Water, 2015, 43, 479-489.	0.7	454
3	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
4	Investigating the impact of climate and land-use land cover changes on hydrological predictions over the Krishna river basin under present and future scenarios. Science of the Total Environment, 2020, 721, 137736.	3.9	66
5	Occurrence of High Levels of Fluoroquinolones in Aquatic Environment due to Effluent Discharges from Bulk Drug Manufacturers. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	1.2	52
6	Analysis of rainfall extremes and water yield of Krishna river basin under future climate scenarios. Journal of Hydrology: Regional Studies, 2018, 19, 287-306.	1.0	41
7	Non-thermal atmospheric pressure plasma jet for the bacterial inactivation in an aqueous medium. Science of the Total Environment, 2018, 640-641, 493-500.	3.9	41
8	Ni and Cu oxide supported γ -Al ₂ O ₃ packed DBD plasma reactor for CO ₂ activation. Journal of CO ₂ Utilization, 2021, 44, 101400.	3.3	38
9	Role of environmental pollution in prevalence of antibiotic resistant bacteria in aquatic environment of river: case of Musi river, South India. Water and Environment Journal, 2017, 31, 456-462.	1.0	34
10	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
11	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
12	Fuzzy-based approach for evaluating groundwater sustainability of Asian cities. Sustainable Cities and Society, 2019, 44, 321-331.	5.1	22
13	Distribution and ecological risks of heavy metals in Lake Hussain Sagar, India. Acta Geochimica, 2020, 39, 255-270.	0.7	20
14	Fuzzy-Based Regional Water Quality Index for Surface Water Quality Assessment. Journal of Hazardous, Toxic, and Radioactive Waste, 2019, 23, .	1.2	17
15	Mathematical model for the transport of fluoroquinolone and its resistant bacteria in aquatic environment. Environmental Science and Pollution Research, 2018, 25, 20439-20452.	2.7	15
16	Oxidative treatment of crude pharmaceutical industry effluent by hydrodynamic cavitation. Journal of Environmental Chemical Engineering, 2020, 8, 104281.	3.3	15
17	An industrial insight on treatment strategies of the pharmaceutical industry effluent with varying qualitative characteristics. Journal of Environmental Chemical Engineering, 2020, 8, 104190.	3.3	14
18	Sequential treatment of crude drug effluent for the elimination of API by combined electro-assisted coagulation-photocatalytic oxidation. Journal of Water Process Engineering, 2019, 28, 195-202.	2.6	13

#	ARTICLE	IF	CITATIONS
19	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
20	β-Lactam Resistance Gene NDM-1 in the Aquatic Environment: A Review. <i>Current Microbiology</i> , 2021, 78, 3634-3643.	1.0	13
21	Study on Backwater Effect Due to Polavaram Dam Project under Different Return Periods. <i>Water (Switzerland)</i> , 2020, 12, 576.	1.2	12
22	Enhanced photocatalytic and antibacterial activity of plasma-reduced silver nanoparticles. <i>RSC Advances</i> , 2018, 8, 24827-24835.	1.7	9
23	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
24	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
25	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
26	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
27	Modeling transport of antibiotic resistant bacteria in aquatic environment using stochastic differential equations. <i>Scientific Reports</i> , 2020, 10, 15081.	1.6	6
28	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
29	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
30	Room-Temperature Toluene Decomposition by Catalytic Non-Thermal Plasma Reactor. <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 1416-1422.	0.6	4
31	Oxidation of Toluene by Ozone over Surface-Modified γ-Al ₂ O ₃ : Effect of Ag Addition. <i>Catalysts</i> , 2022, 12, 421.	1.6	4
32	Design of a Passive Biobarrier System for Chromium Containment in Confined Aquifers. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2007, 11, 216-224.	0.4	3
33	Lab-Scale Biodegradation Study of BTEX under the Unsaturated Condition and Its Effect on Soil Matric Potential. <i>Soil and Sediment Contamination</i> , 2019, 28, 171-183.	1.1	3
34	Source localization via aermod-based simulation under mean squared error criterion: Demonstration using field data. , 2017, , .		2
35	Comprehensive Air Quality Management System for Rapidly Growing Cities in Developing Countries. , 2019, , .		2
36	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

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37	Stochastic Transmission Dynamic Model for Evaluating Effectiveness of Control Measures of COVID-19. SSRN Electronic Journal, 0, , .	0.4	2
38	Water Environment in South Asia: An Introduction. , 2016, , 41-46.		1
39	Prevalence and Absolute Quantification of NDM-1: a β -Lactam Resistance Gene in Water Compartment of Lakes Surrounding Hyderabad, India. Journal of Applied Science & Process Engineering, 2021, 8, 700-711.	0.0	1
40	Groundwater Environment in Hyderabad, India. , 2016, , 109-132.		0
41	RESILIENT: A robust statistical method for estimating multiple VOC sources from limited field measurements. Heliyon, 2020, 6, e05296.	1.4	0
42	Enhanced biogeochemical controls on dichromate speciation in subsoil containment. Ecotoxicology and Environmental Safety, 2020, 193, 110327.	2.9	0
43	Risk-Assessment Method to Forecast Health Hazards Correlated with Distribution of NDM-1 Gene in Waterbodies Surrounding Hyderabad, India. Journal of Environmental Engineering, ASCE, 2021, 147, 04021013.	0.7	0
44	Analysis of spatio-temporal variation of hydroclimatic variables of the Krishna river basin under future scenarios. International Journal of River Basin Management, 2023, 21, 673-684.	1.5	0