

Shanthakumar S

List of Publications by Year in descending order

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58
papers

1,596
citations

394421

19
h-index

315739

38
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59
all docs

59
docs citations

59
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights on the current status of occurrence and removal of antibiotics in wastewater by advanced oxidation processes. <i>Journal of Environmental Management</i> , 2019, 246, 51-62.	7.8	243
2	Challenges and opportunities in application of microalgae (Chlorophyta) for wastewater treatment: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 123-132.	16.4	174
3	Efficacy of microalgae for industrial wastewater treatment: a review on operating conditions, treatment efficiency and biomass productivity. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 265-284.	8.1	89
4	Comparison of Methods for Determining Specific-surface Area of Fine-grained Soils. <i>Geotechnical and Geological Engineering</i> , 2008, 26, 121-132.	1.7	81
5	Biodegradable and non-biodegradable fraction of municipal solid waste for multifaceted applications through a closed loop integrated refinery platform: Paving a path towards circular economy. <i>Science of the Total Environment</i> , 2020, 731, 138049.	8.0	78
6	Remediation of Metal/Metalloid-Polluted Soils: A Short Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4134.	2.5	65
7	Flue gas conditioning for reducing suspended particulate matter from thermal power stations. <i>Progress in Energy and Combustion Science</i> , 2008, 34, 685-695.	31.2	60
8	Biosorption of Co(II) ions from aqueous solution using <i>Chrysanthemum indicum</i> : Kinetics, equilibrium and thermodynamics. <i>Chemical Engineering Research and Design</i> , 2015, 96, 98-110.	5.6	52
9	An integrated approach for tannery effluent treatment with ozonation and phycoremediation: A feasibility study. <i>Environmental Research</i> , 2020, 183, 109163.	7.5	47
10	Green microalgae for combined sewage and tannery effluent treatment: Performance and lipid accumulation potential. <i>Journal of Environmental Management</i> , 2019, 241, 167-178.	7.8	45
11	Column adsorption studies on nickel and cobalt removal from aqueous solution using native and biochar form of <i>Tectona grandis</i> . <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1030-1038.	2.3	44
12	UV Light-Irradiated Photocatalytic Degradation of Coffee Processing Wastewater Using TiO ₂ as a Catalyst. <i>Environments - MDPI</i> , 2020, 7, 47.	3.3	44
13	Silver nanoparticles: synthesis and application in mineralization of pesticides using membrane support. <i>International Nano Letters</i> , 2014, 4, 1.	5.0	39
14	Studies on reduction of inorganic pollutants from wastewater by <i>Chlorella pyrenoidosa</i> and <i>Scenedesmus abundans</i> . <i>AEJ - Alexandria Engineering Journal</i> , 2015, 54, 1291-1296.	6.4	39
15	Efficacy of <i>Chlorella pyrenoidosa</i> and <i>Scenedesmus abundans</i> for Nutrient Removal in Rice Mill Effluent (Paddy Soaked Water). <i>International Journal of Phytoremediation</i> , 2015, 17, 377-381.	3.1	27
16	Ni ²⁺ and Co ²⁺ adsorption using <i>Tectona grandis</i> biochar: kinetics, equilibrium and desorption studies. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 464-478.	2.2	27
17	Performance study on algal alginate as natural coagulant for the removal of Congo red dye. <i>Desalination and Water Treatment</i> , 2016, 57, 6384-6392.	1.0	26
18	Phycoremediation integrated approach for the removal of pharmaceuticals and personal care products from wastewater – A review. <i>Journal of Environmental Management</i> , 2022, 302, 113998.	7.8	24

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19	A feasibility study on optimization of combined advanced oxidation processes for municipal solid waste leachate treatment. <i>Chemical Engineering Research and Design</i> , 2020, 143, 212-221.	5.6	22
20	Effect of culture conditions on biomass yield of acclimatized microalgae in ozone pre-treated tannery effluent: A simultaneous exploration of bioremediation and lipid accumulation potential. <i>Journal of Environmental Management</i> , 2020, 273, 111129.	7.8	21
21	Influence of flue gas conditioning on fly ash characteristics. <i>Fuel</i> , 2008, 87, 3216-3222.	6.4	19
22	Outdoor cultivation of <i>Chlorella pyrenoidosa</i> in paddy-soaked wastewater and a feasibility study on biodiesel production from wet algal biomass through in-situ transesterification. <i>Biomass and Bioenergy</i> , 2020, 143, 105853.	5.7	19
23	Evaluation of photosynthetic efficacy and CO ₂ removal of microalgae grown in an enriched bicarbonate medium. <i>3 Biotech</i> , 2016, 6, 9.	2.2	18
24	Distribution of Metal Contamination and Risk Indices Assessment of Surface Sediments from Cooum River, Chennai, India. <i>International Journal of Environmental Research</i> , 2019, 13, 853-860.	2.3	18
25	Phycoremediation of paddy-soaked wastewater by indigenous microalgae in open and closed culture system. <i>Journal of Environmental Management</i> , 2019, 243, 435-443.	7.8	18
26	Paddy-soaked rice mill wastewater treatment by phycoremediation and feasibility study on use of algal biomass as biofertilizer. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 394-403.	3.2	18
27	Determination of distribution coefficient of geomaterials and immobilizing agents. <i>Canadian Geotechnical Journal</i> , 2010, 47, 1139-1148.	2.8	17
28	Removal of Ni(II) and Co(II) ions from aqueous solution using teak (<i>Tectona grandis</i>) leaves powder: adsorption kinetics, equilibrium and thermodynamics study. <i>Desalination and Water Treatment</i> , 2016, 57, 3995-4007.	1.0	17
29	Efficacy of Ciprofloxacin and Amoxicillin Removal and the Effect on the Biochemical Composition of <i>Chlorella vulgaris</i> . <i>Bioengineering</i> , 2022, 9, 134.	3.5	17
30	<i>Chrysanthemum indicum</i> microparticles on removal of hazardous Congo red dye using response surface methodology. <i>International Journal of Industrial Chemistry</i> , 2018, 9, 305-316.	3.1	16
31	Modeling of fixed-bed column studies for removal of cobalt ions from aqueous solution using <i>Chrysanthemum indicum</i> . <i>Research on Chemical Intermediates</i> , 2017, 43, 229-243.	2.7	15
32	Removal of sulphur black dye from its aqueous solution using alginate from <i>Sargassum sp.</i> (Brown algae) as a coagulant. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1427-1434.	2.3	13
33	Ni (II) adsorption onto <i>Chrysanthemum indicum</i> : Influencing factors, isotherms, kinetics, and thermodynamics. <i>International Journal of Phytoremediation</i> , 2016, 18, 1046-1059.	3.1	12
34	Remediation of Lead and Nickel Contaminated Soil Using Nanoscale Zero-Valent Iron (nZVI) Particles Synthesized Using Green Leaves: First Results. <i>Processes</i> , 2020, 8, 1453.	2.8	11
35	Insights into the influence of CO ₂ supplement on phycoremediation and lipid accumulation potential of microalgae: An exploration for biodiesel production. <i>Environmental Technology and Innovation</i> , 2021, 23, 101596.	6.1	11
36	Zero Liquid Discharge System for the Tannery Industry—An Overview of Sustainable Approaches. <i>Recycling</i> , 2022, 7, 31.	5.0	11

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37	Methodology for Determining Particle-Size Distribution Characteristics of Fly Ashes. Journal of Materials in Civil Engineering, 2010, 22, 435-442.	2.9	10
38	Process optimization for Cr(VI) removal by <i>Mangifera Indica</i> seed powder: a response surface methodology approach. Desalination and Water Treatment, 2015, 53, 1653-1663.	1.0	10
39	Continuous biosorption of nickel from aqueous solution using <i>Chrysanthemum indicum</i> derived biochar in a fixed-bed column. Water Science and Technology, 2017, 76, 1895-1906.	2.5	10
40	Fixed bed column study for pesticide removal using silver nanoparticles-embedded polyurethane foam and glass beads. Chemical Engineering Communications, 2020, 207, 1337-1346.	2.6	8
41	Optimization of malachite green dye removal by <i>Chrysanthemum indicum</i> using response surface methodology. Environmental Progress and Sustainable Energy, 2016, 35, 1415-1419.	2.3	7
42	Removal of Malachite Green Dye by <i>Mangifera indica</i> Seed Kernel Powder. Journal of the Institution of Engineers (India): Series A, 2018, 99, 103-111.	1.2	7
43	Opportunities for phycoremediation approach in tannery effluent: A treatment perspective. Environmental Progress and Sustainable Energy, 2019, 38, e13078.	2.3	7
44	Algalization of acid soils with acid-tolerant strains: Improvement in pH, carbon content, exopolysaccharides, indole acetic acid and dehydrogenase activity. Land Degradation and Development, 2021, 32, 3157-3166.	3.9	7
45	Algalization of Acid Soils with <i>Desmodium</i> sp. MAS1 and <i>Heterochlorella</i> sp. MAS3 Enriches Bacteria of Ecological Importance. ACS Agricultural Science and Technology, 2022, 2, 512-520.	2.3	7
46	Assessment of Groundwater Quality Using GIS and Statistical Approaches. Asian Journal of Earth Sciences, 2015, 8, 97-113.	0.3	6
47	ADSORPTION STUDIES OF BASIC DYES ONTO TEAK (<i>TECTONA GRANDIS</i>) LEAF POWDER. Journal of Urban and Environmental Engineering, 2016, 9, 102-108.	0.3	5
48	Optimization of Temperature and Inoculum Size for Phycoremediation of Paddy-Soaked Rice Mill Wastewater. Journal of Environmental Engineering, ASCE, 2020, 146, .	1.4	3
49	Entropy generation analysis of Cu-water nanofluid flow over a moving wedge. , 0, 121, 14-21.		3
50	Phytoremediation of nutrient overloaded soil by rice mill wastewater using <i>Amaranthus palmeri</i> and <i>Sorghum vulgare</i> . Environmental Progress and Sustainable Energy, 2019, 38, 354-361.	2.3	2
51	Optimization of Process Parameters for CO ₂ Fixation from Bicarbonate Source by a Microalgae. Journal of Environmental Science and Technology, 2015, 8, 289-299.	0.3	2
52	Efficacy of <i>Eleusine coracana</i> (L.) Gaertn (Ragi) husk for adsorption of chromium(VI): A study using response surface methodology. Environmental Progress and Sustainable Energy, 2015, 34, 139-145.	2.3	1
53	Phycoremediation: An Integrated and Eco-friendly Approach for Wastewater Treatment and Value-Added Product Potential. , 2020, , 305-331.		1
54	The Effect of Dual Flue Gas Conditioning on Fly Ash Characteristics. Journal of Testing and Evaluation, 2009, 37, 623-630.	0.7	1

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55	Assessment of Seasonal Disparity on Hydrogeochemical Facies Distribution in Cooum River, India. Asian Journal of Earth Sciences, 2015, 9, 27-35.	0.3	1
56	Sustainable Treatments for Wastewater Deriving from the Coffee Processing. , 2021, , 237-244.		0
57	Determining Residual Ammonia in Flue Gas Conditioned Fly Ashes and Its Influence on the Pozzolanic Activity. Journal of Testing and Evaluation, 2011, 39, 69-76.	0.7	0
58	Production of Biodiesel from Soybean Oil in Less Time and at Low Temperature. Asian Journal of Chemistry, 2022, 34, 2173-2177.	0.3	0