

K V Radha

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

563
citations

933447

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642732

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33
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolorization studies of synthetic dyes using <i>Phanerochaete chrysosporium</i> and their kinetics. <i>Process Biochemistry</i> , 2005, 40, 3337-3345.	3.7	152
2	A Review on the Adsorption Studies of Tetracycline onto Various Types of Adsorbents. <i>Chemical Engineering Communications</i> , 2017, 204, 821-839.	2.6	81
3	Electrochemical oxidation for the treatment of textile industry wastewater. <i>Bioresource Technology</i> , 2009, 100, 987-990.	9.6	80
4	Review of Nanobiopolymers for Controlled Drug Delivery. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1636-1646.	1.9	27
5	Hydrodynamic behavior of inverse fluidized bed biofilm reactor for phenol biodegradation using <i>Pseudomonas fluorescens</i> . <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 436-445.	2.7	26
6	Silver Nanoparticle loaded corncob adsorbent for effluent treatment. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1843-1854.	6.7	22
7	Effect of a mixed substrate on phytase production by <i>Rhizopus oligosporus</i> MTCC 556 using solid state fermentation and determination of dephytinization activities in food grains. <i>Food Science and Biotechnology</i> , 2015, 24, 551-559.	2.6	20
8	Electrochemical decolorization of the dye Acid orange 10. <i>Desalination and Water Treatment</i> , 2009, 7, 6-11.	1.0	18
9	Silver Nanoparticle Loaded Activated Carbon: An Escalated Nanocomposite with Antimicrobial Property. <i>Oriental Journal of Chemistry</i> , 2016, 32, 735-741.	0.3	17
10	Biodegradation Kinetic Studies on Phenol in Internal Draft Tube (Inverse Fluidized Bed) Biofilm Reactor Using <i>Pseudomonas fluorescens</i> : Performance Evaluation of Biofilm and Biomass Characteristics. <i>Bioremediation Journal</i> , 2013, 17, 264-277.	2.0	16
11	Silver nanoparticle loaded silica adsorbent for wastewater treatment. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1801-1812.	2.7	11
12	Effect of hydrodynamic characteristics on the performance of biofilm for degrading phenol in inverse fluidized bed biofilm reactor. <i>Desalination and Water Treatment</i> , 2015, 55, 2023-2033.	1.0	10
13	Comparative Kinetic Studies and Performance Evaluation of Biofilm and Biomass Characteristics of <i>Pseudomonas fluorescens</i> in Degrading Synthetic Phenolic Effluent in Inverse Fluidized Bed Biofilm Reactor. <i>Water Environment Research</i> , 2016, 88, 415-424.	2.7	9
14	Synthesis of super-paramagnetic iron oxide nanoparticles assisted by brown seaweed <i>Turbinaria decurrens</i> for removal of reactive navy blue dye. <i>Materials Research Express</i> , 2017, 4, 105038.	1.6	9
15	Gas-liquid mass transfer studies in inverse fluidized bed biofilm reactor for the biodegradation of industrial effluent rich in phenolic compounds. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 433-438.	2.3	8
16	Fixed-bed column dynamics of tetracycline hydrochloride using commercial grade activated carbon: comparison of linear and nonlinear mathematical modeling studies. <i>Desalination and Water Treatment</i> , 2016, 57, 18964-18980.	1.0	8
17	Statistical optimization and mutagenesis for high level of phytase production by <i>Rhizopus oligosporus</i> MTCC 556 under solid state fermentation. <i>Journal of Environmental Biology</i> , 2016, 37, 253-9.	0.5	8
18	Effect of gas-liquid mass transfer coefficient and liquid-solid mass transfer resistance on phenol biodegradation in three phase inverse fluidized bed biofilm reactor. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2321-2326.	6.7	7

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19	Recycling of exposed photographic X-ray films and recovery of silver using Bromelain. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	6
20	Kinetic Study on Decolorization of the Dye Acid Orange Using the Fungus Phanerochate Chrysosporium. Modern Applied Science, 2009, 3, .	0.6	4
21	Polyhydroxybutyrate production accompanied by the effective reduction of chemical oxygen demand (COD) and biological oxygen demand (BOD) from industrial effluent. Korean Journal of Chemical Engineering, 2013, 30, 2191-2196.	2.7	4
22	Statistical modeling on COD removal from metal-working fluids through electrocoagulation process. Desalination and Water Treatment, 2015, 53, 2593-2603.	1.0	4
23	Strategic approach on flow characteristics of magnetic nano adsorbent on treatment of dye wastewater. Environmental Quality Management, 2022, 32, 13-25.	1.9	4
24	Synthesis of dimethyl carbonate (DMC) based biodegradable nitrogen mustard ionic carbonate (NMIC) nanoparticles. RSC Advances, 2015, 5, 10560-10566.	3.6	3
25	Preparation and characterization of native poly(3-hydroxybutyrate) microspheres from Bacillus subtilis MTCC 9763. Journal of Bioactive and Compatible Polymers, 2014, 29, 152-164.	2.1	2
26	Fabrication of chitosan-bis (4-formyl-2 methoxy phenyl carbonate) Schiff base nanoparticles and evaluation of their antioxidant and anticancer properties. Molecular Biology Reports, 2019, 46, 4333-4347.	2.3	2
27	Utilization of biodegradable chitosan-derived sponges as oil retainers. Environmental Science and Pollution Research, 2020, 27, 28123-28131.	5.3	2
28	Silver nanoparticles synthesised using <i>Andrographis paniculata</i> ameliorates oxidative stress in erythrocyte model. Materials Research Express, 2019, 6, 0850b6.	1.6	1
29	Investigation of Eco-friendly Corrosion Inhibitor for Low Carbon Steel Using Extract of Physalis Minima Leaves. Journal of Bio- and Tribo-Corrosion, 2022, 8, 1.	2.6	1
30	Investigating the performance of inverse fluidized bed biofilm reactor for phenol biodegradation using <i>Pseudomonas fluorescens</i> . , 2011, , .		0
31	Experimental and theoretical validation of nano filters fabricated through green synthesized silver nanoparticles. Polymers From Renewable Resources, 0, , 204124792211098.	1.3	0