

Aravindhnan Rathinam

List of Publications by Year in descending order

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41
papers

1,958
citations

361413

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276875

41
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docs citations

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times ranked

2338
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Fat Liquor Through Fish Waste Valorization, Characterization and Applications in Tannery Industry. <i>Waste and Biomass Valorization</i> , 2020, 11, 6637-6647.	3.4	12
2	Application of Calophyllum inophyllum oil as antifungal fat-liquor for leather industry. <i>Industrial Crops and Products</i> , 2017, 105, 104-112.	5.2	7
3	Solar light driven degradation of post tanning water at heterostructured BiVO ₄ -ZnO mixed oxide catalyst interface. <i>Surfaces and Interfaces</i> , 2017, 8, 147-153.	3.0	14
4	Preparation of fatliquor having antifungal activity using the oil of Citrullus colocynthis for application in leather processing. <i>Industrial Crops and Products</i> , 2017, 108, 553-557.	5.2	12
5	Highly clean and efficient enzymatic dehairing in green solvents. <i>Journal of Cleaner Production</i> , 2017, 140, 1578-1586.	9.3	9
6	Next generation greener leather dyeing process through recombinant green fluorescent protein. <i>Journal of Cleaner Production</i> , 2016, 126, 698-706.	9.3	10
7	Hierarchically structured bentonite loaded Bi ₂ O ₃ -ZnO and its multiple applications. <i>Surfaces and Interfaces</i> , 2016, 5, 30-38.	3.0	21
8	Value addition of fish waste in the leather industry for dehairing. <i>Journal of Cleaner Production</i> , 2016, 118, 179-186.	9.3	14
9	Oxidation of 4-chloro-3-methylphenol using zeolite Y-encapsulated iron(III), nickel(II), and copper(II)-N,N-disalicylidene-1, 2-phenylenediamine complexes. <i>Chinese Journal of Catalysis</i> , 2016, 37, 135-145.	14.0	17
10	Waterless tanning: chrome tanning in ethanol and its derivatives. <i>RSC Advances</i> , 2015, 5, 66815-66823.	3.6	17
11	Visible light photocatalytic degradation of wattle extract: effect of mixing CdWO ₄ over a semiconductive ZnO photocatalyst. <i>RSC Advances</i> , 2015, 5, 60926-60937.	3.6	25
12	Innovative material from paper and pulp industry for leather processing. <i>Journal of Cleaner Production</i> , 2015, 104, 436-444.	9.3	10
13	Experimental and computational studies on zeolite-Y encapsulated iron(III) and nickel(II) complexes containing mixed-ligands of 2,2'-bipyridine and 1,10-phenanthroline. <i>RSC Advances</i> , 2015, 5, 88636-88645.	3.6	12
14	Synthesis, characterization and catalytic application of zeolite based heterogeneous catalyst of iron(III), nickel(II) and copper(II) salen complexes for oxidation of organic pollutants. <i>Journal of Porous Materials</i> , 2015, 22, 1363-1373.	2.6	17
15	In vitro and in vivo assessments of a 3-(3,4-dihydroxyphenyl)-2-propenoic acid bioconjugated gelatin-based injectable hydrogel for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1230-1244.	5.8	30
16	Delimiting water in the chromium-induced stabilization of collagen. <i>Journal of Cleaner Production</i> , 2015, 87, 567-572.	9.3	4
17	Biomass of Termitomyces clypeatus for chromium(III) removal from chrome tanning wastewater. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 541-547.	4.1	18
18	Biosorption of Trivalent Chromium from Wastewater: An Approach towards Green Chemistry. <i>Chemical Engineering and Technology</i> , 2014, 37, 1741-1750.	1.5	17

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19	Kinetics of biodegradation of phenol and a polyphenolic compound by a mixed culture containing <i>Pseudomonas aeruginosa</i> and <i>Bacillus subtilis</i> . <i>Applied Ecology and Environmental Research</i> , 2014, 12, 615-625.	0.5	12
20	Studies on the application of natural dye extract from <i>Bixa orellana</i> seeds for dyeing and finishing of leather. <i>Industrial Crops and Products</i> , 2013, 43, 84-86.	5.2	48
21	Adsorption, desorption, and kinetic study on Cr(III) removal from aqueous solution using <i>Bacillus subtilis</i> biomass. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 727-735.	4.1	32
22	Adsorption of phenol onto activated carbon from seaweed: Determination of the optimal experimental parameters using factorial design. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 952-956.	5.3	55
23	Stabilized protein waste as a source for removal of color from wastewaters. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1397-1402.	2.6	11
24	Biosorption of bovine serum albumin by <i>Ulva lactuca</i> biomass from industrial wastewater: Equilibrium, kinetic and thermodynamic study. <i>Journal of Hazardous Materials</i> , 2010, 184, 597-602.	12.4	7
25	Biosorption of cadmium metal ion from simulated wastewaters using <i>Hypnea valentiae</i> biomass: A kinetic and thermodynamic study. <i>Bioresource Technology</i> , 2010, 101, 1466-1470.	9.6	155
26	Utilization of organically stabilized proteinous solid waste for the treatment of coloured wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1338-1343.	3.2	11
27	Application of a chemically modified green macro alga as a biosorbent for phenol removal. <i>Journal of Environmental Management</i> , 2009, 90, 1877-1883.	7.8	90
28	Preparation and characterization of activated carbon from marine macro-algal biomass. <i>Journal of Hazardous Materials</i> , 2009, 162, 688-694.	12.4	83
29	KINETICS AND EQUILIBRIUM STUDIES ON THE BIOSORPTION OF HEXAVALENT CHROMIUM FROM AQUEOUS SOLUTIONS USING <i>BACILLUS SUBTILIS</i> BIOMASS. <i>Applied Ecology and Environmental Research</i> , 2009, 7, 45-57.	0.5	23
30	Dye house wastewater treatment through advanced oxidation process using Cu-exchanged Y zeolite: A heterogeneous catalytic approach. <i>Chemosphere</i> , 2008, 70, 1146-1151.	8.2	100
31	Kinetic and equilibrium studies on biosorption of basic blue dye by green macro algae <i>Caulerpa scalpelliformis</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 621-631.	1.7	16
32	Biological removal of carcinogenic chromium(VI) using mixed <i>Pseudomonas</i> strains. <i>Journal of General and Applied Microbiology</i> , 2007, 53, 71-79.	0.7	19
33	Equilibrium and thermodynamic studies on the removal of basic black dye using calcium alginate beads. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 299, 232-238.	4.7	144
34	Removal of basic yellow dye from aqueous solution by sorption on green alga <i>Caulerpa scalpelliformis</i> . <i>Journal of Hazardous Materials</i> , 2007, 142, 68-76.	12.4	300
35	A chemo-enzymatic pathway leads towards zero discharge tanning. <i>Journal of Cleaner Production</i> , 2007, 15, 1217-1227.	9.3	33
36	Wet oxidation of acid brown dye by hydrogen peroxide using heterogeneous catalyst Mn-salen-Y zeolite: A potential catalyst. <i>Journal of Hazardous Materials</i> , 2006, 138, 152-159.	12.4	76

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37	Solid Waste Removes Toxic Liquid Waste:Â Adsorption of Chromium(VI) by Iron Complexed Protein Waste. <i>Environmental Science & Technology</i> , 2005, 39, 2804-2810.	10.0	74
38	A source reduction approach: Integrated bio-based tanning methods and the role of enzymes in dehairing and fibre opening. <i>Clean Technologies and Environmental Policy</i> , 2004, 7, 3-14.	4.1	29
39	Recovery and reuse of chromium from tannery wastewaters using <i>Turbinaria ornata</i> seaweed. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1251-1258.	3.2	67
40	Bioaccumulation of Chromium from Tannery Wastewater:Â An Approach for Chrome Recovery and Reuse. <i>Environmental Science & Technology</i> , 2004, 38, 300-306.	10.0	249
41	Green solution for tannery pollution: effect of enzyme based lime-free unhairing and fibre opening in combination with pickle-free chrome tanning. <i>Green Chemistry</i> , 2003, 5, 707.	9.0	58