

Vidhyadevi Thangaraj

List of Publications by Year in descending order

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28
papers

991
citations

567144

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526166

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times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption behavior of nickel(II) onto cashew nut shell: Equilibrium, thermodynamics, kinetics, mechanism and process design. <i>Chemical Engineering Journal</i> , 2011, 167, 122-131.	6.6	280
2	Removal of Pb(II), Cu(II) and Cd(II) ions from aqueous solution using polyazomethineamides: Equilibrium and kinetic approach. <i>Desalination</i> , 2011, 271, 199-208.	4.0	110
3	Adsorption and photophysical properties of fluorescent dyes over montmorillonite and saponite modified by surfactant. <i>Chemosphere</i> , 2017, 184, 1355-1361.	4.2	67
4	Adsorption equilibrium, thermodynamics, kinetics, mechanism and process design of zinc(II) ions onto cashew nut shell. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 973-982.	0.9	65
5	Biochemical characterization of three phase partitioned laccase and its application in decolorization and degradation of synthetic dyes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 74, 63-72.	1.8	61
6	Optimization of the process parameters for the removal of reactive yellow dye by the low cost <i>Setaria verticillata</i> carbon using response surface methodology: Thermodynamic, kinetic, and equilibrium studies. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 855-865.	1.3	52
7	The use of new modified poly(acrylamide) chelating resin with pendent benzothiazole groups containing donor atoms in the removal of heavy metal ions from aqueous solutions. <i>Water Resources and Industry</i> , 2014, 5, 21-35.	1.9	34
8	Modelling of lead(II) ion adsorption onto poly(thiourea imine) functionalized chelating resin using response surface methodology (RSM). <i>Journal of Water Process Engineering</i> , 2014, 3, 132-143.	2.6	32
9	Kinetic and thermodynamic studies on the removal of Zn ²⁺ and Ni ²⁺ from their aqueous solution using poly(phenylthiourea)imine. <i>Chemical Engineering Journal</i> , 2012, 197, 368-378.	6.6	30
10	Application of Response Surface Methodology to Optimize Three Phase Partitioning for Purification of Laccase from <i>Pleurotus ostreatus</i> . <i>Separation Science and Technology</i> , 2011, 46, 1922-1930.	1.3	28
11	Fluorescence Quenching of SulfoRhodamine Dye over Graphene Oxide and Boron Nitride Nanosheets. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2125-2130.	1.0	25
12	Detection of short ssDNA and dsDNA by current-voltage measurements using conical nanopores coated with Al ₂ O ₃ by atomic layer deposition. <i>Mikrochimica Acta</i> , 2016, 183, 1011-1017.	2.5	25
13	Removal of chromium (VI) from aqueous solution using chemically modified corn cob activated carbon: Equilibrium and kinetic studies. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 673-680.	1.3	24
14	Synthesis, characterization, and heavy metal ion adsorption studies of polyamides, polythioamides having pendent chlorobenzylidene rings. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1634-1642.	1.3	22
15	Novel Polymeric Adsorbents Bearing Amide, Pyridyl, Azomethine and Thiourea Binding Sites for the Removal of Cu(II) and Pb(II) Ions from Aqueous Solution. <i>Separation Science and Technology</i> , 2012, 48, 254-262.	1.3	17
16	Kinetic and equilibrium studies on the biosorption of textile dyes onto <i>Plantago ovata</i> seeds. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1248-1256.	1.2	13
17	Kinetic studies and isotherm modeling for the removal of Ni ²⁺ and Pb ²⁺ ions by modified activated carbon using sulfuric acid. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 844-854.	1.3	13
18	Evaluation of equilibrium, kinetic, and thermodynamic parameters for adsorption of Cd ²⁺ ion and methyl red dye onto amorphous poly(azomethinethioamide) resin. <i>Desalination and Water Treatment</i> , 2014, 52, 3477-3488.	1.0	13

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19	A study on the removal of heavy metals and anionic dyes from aqueous solution by amorphous polyamide resin containing chlorobenzalimine and thioamide as chelating groups. Korean Journal of Chemical Engineering, 2015, 32, 650-660.	1.2	12
20	Individual and simultaneous adsorption of Ni (II), Cd (II), and Zn (II) ions over polyamide resin: Equilibrium, kinetic and thermodynamic studies. Environmental Progress and Sustainable Energy, 2019, 38, S340.	1.3	12
21	Adsorption of Pb(II) ions onto surface modified <i>Guazuma ulmifolia</i> seeds and batch adsorber design. Environmental Progress and Sustainable Energy, 2013, 32, 307-316.	1.3	11
22	Adsorption of Congo Red Dye over Pendent Chlorobenzylidene Rings Present on Polythioamide Resin: Kinetic and Equilibrium Studies. Separation Science and Technology, 2013, 48, 1450-1458.	1.3	11
23	Two step biodiesel production from <i>Calophyllum inophyllum</i> oil: Studies on thermodynamic and kinetic modelling of modified zeolite catalysed pretreatment. Canadian Journal of Chemical Engineering, 2012, 90, 1178-1185.	0.9	7
24	Carbon-coated porous TiO ₂ layers templated by core-shell polymer particles: Film processing and charge transfer resistance assessment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125390.	2.3	7
25	Biomimetic solution against dewetting in a highly hydrophobic nanopore. Soft Matter, 2016, 12, 4903-4911.	1.2	6
26	Effective removal of heavy metal ions from aqueous solutions using a new chelating resin poly [2,5-(1,3,4-thiadiazole)-benzalimine]: kinetic and thermodynamic study. Journal of Water Reuse and Desalination, 2016, 6, 310-324.	1.2	6
27	Equilibrium and kinetic studies on the adsorption of Ni(II) ion from an aqueous solution using activated carbon prepared from <i>Theobroma cacao</i> (cocoa) shell. Desalination and Water Treatment, 0, 1-13.	1.0	4
28	Adsorption kinetic, equilibrium and thermodynamic investigations of Zn(II) and Ni(II) ions removal by poly(azomethinethioamide) resin with pendent chlorobenzylidene ring. Polish Journal of Chemical Technology, 2015, 17, 100-109.	0.3	4