

Vidhyadevi Thangaraj

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Carbon-coated porous TiO ₂ layers templated by core-shell polymer particles: Film processing and charge transfer resistance assessment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125390.	2.3	7
2	Individual and simultaneous adsorption of Ni (II), Cd (II), and Zn (II) ions over polyamide resin: Equilibrium, kinetic and thermodynamic studies. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S340.	1.3	12
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	Biomimetic solution against dewetting in a highly hydrophobic nanopore. <i>Soft Matter</i> , 2016, 12, 4903-4911.	1.2	6
5	Fluorescence Quenching of Sulfo-Rhodamine Dye over Graphene Oxide and Boron Nitride Nanosheets. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2125-2130.	1.0	25
6	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
7	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. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 310-324.	1.2	6
8	Adsorption kinetic, equilibrium and thermodynamic investigations of Zn(II) and Ni(II) ions removal by poly(azomethinethioamide) resin with pendent chlorobenzylidene ring. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 100-109.	0.3	4
9	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. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 650-660.	1.2	12
10	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
11	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
12	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
13	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
14	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
15	Adsorption of Pb(II) ions onto surface modified <i>Guazuma ulmifolia</i> seeds and batch adsorber design. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 307-316.	1.3	11
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	Adsorption of Congo Red Dye over Pendent Chlorobenzylidene Rings Present on Polythioamide Resin: Kinetic and Equilibrium Studies. <i>Separation Science and Technology</i> , 2013, 48, 1450-1458.	1.3	11
18	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

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19	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
20	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
21	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
22	Two step biodiesel production from <i>Calophyllum inophyllum</i> oil: Studies on thermodynamic and kinetic modelling of modified zeolite catalysed pretreatment. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 1178-1185.	0.9	7
23	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
24	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
25	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
26	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
27	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
28	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. <i>Desalination and Water Treatment</i> , 0, , 1-13.	1.0	4