

Vijaya Kumar Bulasara

List of Publications by Year in descending order

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papers

823
citations

430874

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all docs

34
docs citations

34
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid uptake of atrazine from aqueous phase by thermally activated MCM-41. <i>Science of the Total Environment</i> , 2021, 753, 142091.	8.0	2
2	Preparation of novel porous ceramic microfiltration membranes from fly ash, kaolin and dolomite mixtures. <i>Ceramics International</i> , 2020, 46, 6889-6898.	4.8	48
3	Numerical Study on Performance of Flat Tube with Water Based Copper Oxide Nanofluids. <i>Materials Today: Proceedings</i> , 2020, 21, 1800-1808.	1.8	14
4	Performance of a new ceramic microfiltration membrane based on kaolin in textile industry wastewater treatment. <i>Chemical Engineering Communications</i> , 2019, 206, 227-236.	2.6	22
5	An experimental investigation of heterogeneous injection of biopolymer (guar gum) on the flow patterns and drag reduction percentage for two phase (water-oil mixture) flow. <i>Experimental Thermal and Fluid Science</i> , 2019, 102, 342-350.	2.7	5
6	Formation, stability and comparison of water/oil emulsion using gum arabic and guar gum and effect of aging of polymers on drag reduction percentage in water/oil flow. <i>Vacuum</i> , 2019, 159, 247-253.	3.5	14
7	Tailoring of nanozeolite NaX for enhanced removal of a phytoestrogen from its aqueous solutions. <i>Separation Science and Technology</i> , 2019, 54, 224-232.	2.5	6
8	Synthesis and characterization of low-cost ceramic membranes from fly ash and kaolin for humic acid separation. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 725-733.	2.7	28
9	Influence of pH and temperature of dip-coating solution on the properties of cellulose acetate-ceramic composite membrane for ultrafiltration. <i>Carbohydrate Polymers</i> , 2018, 195, 613-621.	10.2	41
10	Heat transfer and pressure drop performance of alumina-water nanofluid in a flat vertical tube of a radiator. <i>Chemical Engineering Communications</i> , 2018, 205, 257-268.	2.6	24
11	Efficient removal of bisphenol S from aqueous solution by synthesized nano-zeolite secony mobil-5. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 184-194.	4.4	39
12	Removal of emerging contaminants daidzein and coumestrol from water by nanozeolite beta modified with tetrasubstituted ammonium cation. <i>Journal of Hazardous Materials</i> , 2018, 344, 417-430.	12.4	39
13	Effect of guar gum and salt concentrations on drag reduction and shear degradation properties of turbulent flow of water in a pipe. <i>Carbohydrate Polymers</i> , 2018, 181, 1017-1025.	10.2	17
14	Influence of copper oxide nanoparticles on the thermophysical properties and performance of flat tube of vehicle cooling system. <i>Vacuum</i> , 2018, 157, 268-276.	3.5	15
15	Adsorptive removal of Biochanin A, an endocrine disrupting compound, from its aqueous solution by synthesized zeolite NaA. <i>Desalination and Water Treatment</i> , 2016, 57, 20608-20618.	1.0	18
16	Effect of carbonates composition on the permeation characteristics of low-cost ceramic membrane supports. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 44, 185-194.	5.8	34
17	Quaternary ammonium salt assisted removal of genistein and bisphenol S from aqueous solution by nanozeolite NaY: Equilibrium, kinetic and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2016, 224, 1154-1162.	4.9	32
18	Surface Modification of Synthesized Nanozeolite NaX with TEAOH for Removal of Bisphenol A. <i>Chemical Engineering Communications</i> , 2016, 203, 1374-1384.	2.6	16

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19	Heat Transfer and Pressure Drop Characteristics of Dilute Alumina-Water Nanofluids in a Pipe at Different Power Inputs. <i>Heat Transfer Engineering</i> , 2016, 37, 1554-1565.	1.9	26
20	Preparation of kaolin-based low-cost porous ceramic supports using different amounts of carbonates. <i>Desalination and Water Treatment</i> , 2016, 57, 15154-15163.	1.0	19
21	Adsorption characteristics of jackfruit leaf powder for the removal of Amido black 10B dye. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 461-470.	2.3	32
22	EXPERIMENTAL INVESTIGATION ON ADSORPTION OF AMIDO BLACK 10B DYE ONTO ZEOLITE SYNTHESIZED FROM FLY ASH. <i>Chemical Engineering Communications</i> , 2015, 202, 123-130.	2.6	42
23	Surface engineering characteristics of ultrasound assisted hypophosphite electroless plating baths. <i>Surface Engineering</i> , 2013, 29, 489-494.	2.2	8
24	Effect of surfactants on performance of electroless plating baths for nickel-ceramic composite membrane fabrication. <i>Surface Engineering</i> , 2012, 28, 44-48.	2.2	17
25	Effect of Ultrasound on the Performance of Nickel Hydrazine Electroless Plating Baths. <i>Materials and Manufacturing Processes</i> , 2012, 27, 201-206.	4.7	16
26	Performance characteristics of hydrothermal and sonication assisted electroless plating baths for nickel-ceramic composite membrane fabrication. <i>Desalination</i> , 2012, 284, 77-85.	8.2	12
27	Manufacture of Nickel-Ceramic Composite Membranes in Agitated Electroless Plating Baths. <i>Materials and Manufacturing Processes</i> , 2011, 26, 862-867.	4.7	30
28	Effect of surface roughness and mass transfer enhancement on the performance characteristics of nickel-hypophosphite electroless plating baths for metal-ceramic composite membrane fabrication. <i>Chemical Engineering Research and Design</i> , 2011, 89, 2485-2494.	5.6	17
29	Effect of process parameters on electroless plating and nickel-ceramic composite membrane characteristics. <i>Desalination</i> , 2011, 268, 195-203.	8.2	71
30	Nickel-ceramic composite membranes: Optimization of hydrazine based electroless plating process parameters. <i>Desalination</i> , 2011, 275, 243-251.	8.2	9
31	Combinatorial performance characteristics of agitated nickel hypophosphite electroless plating baths. <i>Journal of Materials Processing Technology</i> , 2011, 211, 1488-1499.	6.3	22
32	Optimization of crude distillation system using aspen plus: Effect of binary feed selection on grass-root design. <i>Chemical Engineering Research and Design</i> , 2010, 88, 121-134.	5.6	54
33	Revamp study of crude distillation unit heat exchanger network: Energy integration potential of delayed coking unit free hot streams. <i>Applied Thermal Engineering</i> , 2009, 29, 2271-2279.	6.0	19
34	Preparation of low-cost microfiltration membranes from fly ash. <i>Desalination and Water Treatment</i> , 0, , 1-9.	1.0	15