M Helen Kalavathy

List of Publications by Year
in descending order

19 papers	1,028 citations	1040056 9 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	1344 citing authors

#	Article	IF	Citations
1	A comparative study of carbon nanotube characteristics synthesized from various biomass precursors through hydrothermal techniques and their potential applications. Chemical Engineering Communications, 2022, 209, 127-139.	2.6	3
2	Extraction of Polymeric Bioflocculant from Enterobacter sp. and Adsorptive Kinetic Studies on Industrial Dye Removal Applications. Journal of Polymers and the Environment, 2021, 29, 1040-1049.	5.0	7
3	Pore Formation Mechanism and Sorption Studies Using Activated Carbon from Gleditsia triacanthos. Chemical Engineering and Technology, 2021, 44, 892-900.	1.5	9
4	Performance studies of GO/PF127 incorporated Polyetherimide Ultrafiltration membranes for the rejection of oil from oil wastewater. Chemical Engineering Research and Design, 2021, 168, 214-226.	5.6	14
5	Performance of nanoporous carbon material derived from Cocos nucifera: An approach for the recovery of nickel using continuous operation. Materials Letters, 2020, 262, 127101.	2.6	4
6	Antifouling properties of poly(vinylidene fluoride)-incorporated cellulose acetate composite ultrafiltration membranes. Korean Journal of Chemical Engineering, 2020, 37, 2248-2261.	2.7	9
7	Equilibrium and kinetic studies on methylene blue adsorption by simple polyol assisted wet hydroxyl route of NiFe2O4nanoparticles. Journal of Environmental Health Science & Engineering, 2019, 17, 539-547.	3.0	3
8	Study of mathematical models for the removal of Ni²⁺ from aqueous solutions using Citrullus lanatus rind, an agroâ€based waste. Water and Environment Journal, 2019, 33, 276-291.	2.2	12
9	Development of carbon-based material from biomass for the removal of Ni2+ and CO2 from fluid phase. Vacuum, 2018, 158, 236-248.	3.5	8
10	Chemically activated Ipomoea carnea as an adsorbent forÂtheÂcopper sorption from synthetic solutions. Adsorption, 2010, 16, 75-84.	3.0	23
11	Moringa oleiferaâ€"A solid phase extractant for the removal of copper, nickel and zinc from aqueous solutions. Chemical Engineering Journal, 2010, 158, 188-199.	12.7	89
12	Removal and recovery of Ni and Zn from aqueous solution using activated carbon from Hevea brasiliensis: Batch and column studies. Colloids and Surfaces B: Biointerfaces, 2010, 78, 291-302.	5.0	105
13	Comparison of copper adsorption from aqueous solution using modified and unmodified Hevea brasiliensis saw dust. Desalination, 2010, 255, 165-174.	8.2	69
14	Optimization and analysis of nickel adsorption on microwave irradiated rice husk using response surface methodology (RSM). Journal of Chemical Technology and Biotechnology, 2009, 84, 291-301.	3.2	21
15	Modelling, analysis and optimization of adsorption parameters for H3PO4 activated rubber wood sawdust using response surface methodology (RSM). Colloids and Surfaces B: Biointerfaces, 2009, 70, 35-45.	5.0	163
16	Moringa Oleifera, A Biosorbent for Resorcinol Adsorption-Isotherm and Kinetic Studies. Carbon Letters, 2009, 10, 23-32.	5.9	3
17	Surface Modified Agave sisalana as an Adsorbent for the Removal of Nickel from Aqueous Solutions - Kinetics and Equilibrium Studies. Carbon Letters, 2008, 9, 97-104.	5.9	2
18	Kinetic and isotherm studies of Cu(II) adsorption onto H3PO4-activated rubber wood sawdust. Journal of Colloid and Interface Science, 2005, 292, 354-362.	9.4	484

#	Article	IF	Citations
19	Optimization of process parameters for the adsorption of nickel onto activated carbon using response surface methodology. , 0, 115, 115-125.		0