

M Helen Kalavathy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9219500/publications.pdf>

Version: 2024-02-01

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

#	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