

Hanapi Mat

List of Publications by Year in descending order

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papers

754
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567281

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976
citing authors

#	ARTICLE	IF	CITATIONS
1	An ionic liquid treatment and fractionation of cellulose, hemicellulose and lignin from oil palm empty fruit bunch. <i>Carbohydrate Polymers</i> , 2017, 166, 291-299.	10.2	99
2	Adsorption enhancement of elemental mercury by various surface modified coconut husk as eco-friendly low-cost adsorbents. <i>International Biodeterioration and Biodegradation</i> , 2016, 109, 45-52.	3.9	86
3	Removal of Hg(II) from Aqueous Solution by Adsorption Using Raw and Chemically Modified Rice Straw As Novel Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13092-13101.	3.7	67
4	Development of coconut pith chars towards high elemental mercury adsorption performance "Effect of pyrolysis temperatures. <i>Chemosphere</i> , 2016, 156, 56-68.	8.2	46
5	High removal efficacy of Hg(II) and MeHg(II) ions from aqueous solution by organoalkoxysilane-grafted lignocellulosic waste biomass. <i>Chemosphere</i> , 2017, 171, 19-30.	8.2	38
6	Utilization of Coconut Milk Processing Waste as a Low-Cost Mercury Sorbent. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15648-15657.	3.7	37
7	Surface chemistry modifications of rice husk toward enhancement of Hg(II) adsorption from aqueous solution. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1747-1755.	4.1	32
8	Removal Performance of Tetracycline and Oxytetracycline From Aqueous Solution Via Natural Zeolites: An Equilibrium and Kinetic Study. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600260.	1.1	27
9	Adsorptive efficacy analysis of lignocellulosic waste carbonaceous adsorbents toward different mercury species. <i>Chemical Engineering Research and Design</i> , 2015, 96, 33-42.	5.6	23
10	High removal efficiency of Hg(II) and MeHg(II) from aqueous solution by coconut pith "Equilibrium, kinetic and mechanism analyses. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2487-2499.	6.7	21
11	Removal of Hg(II) and CH ₃ Hg(I) Using Rasped Pith Sago Residue Biosorbent. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1541-1548.	1.1	19
12	A comparative evaluation of mercury(II) adsorption equilibrium and kinetics onto silica gel and sulfur-functionalised silica gels adsorbents. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 1048-1058.	1.7	18
13	Removal performance of elemental mercury by low-cost adsorbents prepared through facile methods of carbonisation and activation of coconut husk. <i>Waste Management and Research</i> , 2015, 33, 81-88.	3.9	18
14	Synthesis and characterization of CTAB-silica nanocapsules and its adsorption behavior towards Pd(II) ions in aqueous solution. <i>Advanced Powder Technology</i> , 2020, 31, 3205-3214.	4.1	18
15	High removal performance of dissolved oil from aqueous solution by sorption using fatty acid esterified pineapple leaves as novel sorbents. <i>RSC Advances</i> , 2016, 6, 13710-13722.	3.6	17
16	Optimization of coag-flocculation processes of a newly synthesized quaternized oil palm empty fruit bunch cellulose by response surface methodology toward drinking water treatment process application. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 191-204.	4.1	16
17	Synthesis and Characterization of Novel Sulfur-Functionalized Silica Gels as Mercury Adsorbents. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 809-818.	2.5	15
18	Silver Adsorption Enhancement from Aqueous and Photographic Waste Solutions by Mercerized Coconut Fiber. <i>Separation Science and Technology</i> , 2015, 50, 937-946.	2.5	15

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19	Surfactant modification of banana trunk as low-cost adsorbents and their high benzene adsorptive removal performance from aqueous solution. <i>RSC Advances</i> , 2016, 6, 24738-24751.	3.6	15
20	Cetyltrimethylammonium bromide functionalized silica nanoparticles (MSN) synthesis using a combined sol-gel and adsorption steps with enhanced adsorption performance of oxytetracycline in aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 112, 67-77.	5.3	15
21	Biosorption of mercury from aqueous solution and oilfield produced water by pristine and sulfur functionalized rice residues. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1298-1310.	2.3	14
22	Application of Nanoscale Zero-valent Iron-loaded Natural Zeolite for Tetracycline Removal Process. <i>Chemical Engineering and Technology</i> , 2020, 43, 1285-1296.	1.5	14
23	Adsorption affinity and selectivity of 3-ureidopropyltriethoxysilane grafted oil palm empty fruit bunches towards mercury ions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15167-15181.	5.3	11
24	Removal of elemental mercury from gas stream using sulfur-functionalized silica microspheres (S-SMs). <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 39-47.	4.1	10
25	An evaluation of lignocellulosic solutions from OPEFB pulping process as demulsifiers for crude oil emulsion demulsification. <i>Petroleum Science and Technology</i> , 2019, 37, 1675-1682.	1.5	9
26	Preparation of Quaternized Lignin Derived from Oil Palm Empty Fruit Bunches and its Flocculation Properties. <i>Journal of Wood Chemistry and Technology</i> , 2019, 39, 399-420.	1.7	7
27	A comparative study on dynamic Hg(II) and MeHg(II) removal by functionalized agrowaste adsorbent: breakthrough analysis and adsorber design. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1069-1081.	2.7	7
28	Silver Ion Adsorption using Alkali and Organosilane Modified Coconut Pith Biosorbents. <i>Journal of Natural Fibers</i> , 2015, 12, 283-302.	3.1	6
29	A simultaneous removal of ammonium and turbidity via an adsorptive coagulation for drinking water treatment process. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20173-20186.	5.3	6
30	Surface modifications of agrowaste biomass for Hg(II) and MeHg(II) removal from aqueous solution, oilfield produced water and natural gas condensate. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	5
31	Cetyltrimethylammonium bromide-coated agrosorbents and their high benzene adsorption performance from aqueous solution. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 305-317.	2.3	5
32	Enhanced adsorption capacity and selectivity toward inorganic and organic mercury ions from aqueous solution by dye-affinity adsorbents. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S54.	2.3	5
33	Flocculation kinetics and dewatering studies of quaternized cellulose derived from oil palm empty fruit bunches. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 669-677.	2.7	5
34	Synthesis and characterization of immobilized white-rot fungus <i>Trametes versicolor</i> in sol-gel ceramics. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 28-38.	2.4	4
35	Sodium dodecyl sulfate-coated-cationized agroforestry residue as adsorbent for benzene-adsorptive sequestration from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11140-11152.	5.3	2
36	Synthesis and characterization of sulfur-functionalized silica nanocapsules as mercury adsorbents. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1

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37	Isolating and modifying cellulose from waste papers as flocculant for treating drinking water. Journal of Wood Chemistry and Technology, 2022, 42, 69-82.	1.7	1