

Tekin Aahan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1809709/publications.pdf>

Version: 2024-02-01

32
papers

916
citations

567281

15
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Cu(II), Zn(II) and Co(II) ions from aqueous solutions by adsorption onto natural bentonite. <i>Adsorption</i> , 2007, 13, 41-51.	3.0	186
2	Investigation of Pb(II) adsorption onto pumice samples: application of optimization method based on fractional factorial design and response surface methodology. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 819-831.	4.1	70
3	Optimization of removal conditions of copper ions from aqueous solutions by <i>Trametes versicolor</i> . <i>Bioresource Technology</i> , 2010, 101, 4520-4526.	9.6	65
4	A novel Central Composite Design based response surface methodology optimization study for the synthesis of Pd/CNT direct formic acid fuel cell anode catalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11002-11011.	7.1	61
5	Mercury(II) adsorption by a novel adsorbent mercapto-modified bentonite using ICP-OES and use of response surface methodology for optimization. <i>Microchemical Journal</i> , 2018, 138, 360-368.	4.5	57
6	Application of RSM for Pb(II) and Cu(II) adsorption by bentonite enriched with SH groups and a binary system study. <i>Journal of Water Process Engineering</i> , 2019, 31, 100867.	5.6	45
7	Utilization of pumice for improving biogas production from poultry manure by anaerobic digestion: A modeling and process optimization study using response surface methodology. <i>Biomass and Bioenergy</i> , 2020, 138, 105601.	5.7	40
8	Design and Optimization of Cu(II) Adsorption Conditions from Aqueous Solutions by Low-Cost Adsorbent Pumice with Response Surface Methodology. <i>Polish Journal of Environmental Studies</i> , 0, 24, 1749-1756.	1.2	33
9	Response surface approach for optimization of Hg(II) adsorption by 3-mercaptopropyl trimethoxysilane-modified kaolin minerals from aqueous solution. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2225-2235.	2.7	31
10	Highly efficient Cd(II) adsorption using mercapto-modified bentonite as a novel adsorbent: an experimental design application based on response surface methodology for optimization. <i>Water Science and Technology</i> , 2018, 78, 1348-1360.	2.5	30
11	A response surface approach for optimization of Pb(II) biosorption conditions from aqueous environment with <i>Polyporus squamosus</i> . , 0, 102, 229-240.		28
12	Modelling and Optimization of As(III) Adsorption onto Thiolâ€Functionalized Bentonite from Aqueous Solutions Using Response Surface Methodology Approach. <i>ChemistrySelect</i> , 2018, 3, 9326-9335.	1.5	25
13	Towards more active and stable PdAgCr electrocatalysts for formic acid electrooxidation: The role of optimization via response surface methodology. <i>International Journal of Energy Research</i> , 2019, 43, 8985-9000.	4.5	24
14	Conversion from a natural mineral to a novel effective adsorbent: Utilization of pumice grafted with polymer brush for methylene blue decolorization from aqueous environments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123961.	4.7	24
15	Magnetic nanoparticles coated with aminated polymer brush as a novel material for effective removal of Pb(II) ions from aqueous environments. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20454-20468.	5.3	24
16	Magnetic clayzeolitic imidazole framework nanocomposite (ZIF-8@Fe3O4@BNT) for reactive orange 16 removal from liquid media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127558.	4.7	22
17	Removal of Some Heavy Metal Cations from Aqueous Solution by Adsorption onto Natural Kaolin. <i>Adsorption Science and Technology</i> , 2005, 23, 519-534.	3.2	16
18	Optimization with Response Surface Methodology of biosorption conditions of Hg(II) ions from aqueous media by <i>Polyporus Squamosus</i> fungi as a new biosorbent. <i>Archives of Environmental Protection</i> , 2017, 43, 37-43.	1.1	15

#	ARTICLE	IF	CITATIONS
19	A comprehensive study of hydrogen production from ammonia borane via PdCoAg/AC nanoparticles and anodic current in alkaline medium: experimental design with response surface methodology. <i>Frontiers in Energy</i> , 2020, 14, 578-589.	2.3	14
20	Optimization of biosorption of Zn(II) ions from aqueous solutions with low-cost biomass <i>Trametes versicolor</i> and the evaluation of kinetic and thermodynamic parameters. <i>Desalination and Water Treatment</i> , 2016, 57, 12156-12167.	1.0	13
21	A novel material poly(N-acryloyl-L-serine)-brush grafted kaolin for efficient elimination of malachite green dye from aqueous environments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125041.	4.7	13
22	Investigation of Mercury(II) and Arsenic(V) adsorption onto sulphur functionalised pumice: a response surface approach for optimisation and modelling. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 7779-7799.	3.3	12
23	The concentration of ²³⁸ U and the levels of gross radioactivity in surface waters of the Van Lake (Turkey). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 417-421.	1.5	11
24	Bentonite grafted with poly(N-acryloyl glycineamide) brush: A novel clay-polymer brush hybrid material for the effective removal of Hg(II) and As(V) from aqueous environments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125979.	4.7	11
25	Effective utilization of Fe(III)-based metal organic framework-coated cellulose paper for highly efficient elimination from the liquid phase of paracetamol as a pharmaceutical pollutant. <i>Environmental Technology and Innovation</i> , 2021, 24, 101799.	6.1	11
26	Reusable Soft Hydrogels for Gold Recovery from Acidic Environments. <i>Separation Science and Technology</i> , 2013, 48, 805-812.	2.5	9
27	Synthesis and characterization of an efficient catalyst based on MoS ₂ decorated magnetic pumice: An experimental design study for methyl orange degradation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105265.	6.7	9
28	Utilization of a novel polymer-clay material for high elimination of hazardous radioactive contamination uranium(VI) from aqueous environments. <i>Environmental Technology and Innovation</i> , 2021, 23, 101631.	6.1	8
29	Decolorization of Rhodamine B by silver nanoparticle-loaded magnetic sporopollenin: characterization and process optimization. <i>Environmental Science and Pollution Research</i> , 2022, 29, 79375-79387.	5.3	5
30	Influence of the medium conditions on enzymatic oxidation of bisphenol A. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 712-719.	1.7	3
31	An Optimization Study for Bio-Removal of Lead from Aqueous Environments by Alkali Modified <i>Polyporus Squamosus</i> . <i>MANAS: Journal of Engineering</i> , 0, , .	0.8	1
32	Effective clay material enriched with thiol groups for Zn(II) removal from aqueous media: A statistical approach based on response surface methodology. <i>MANAS: Journal of Engineering</i> , 2020, 8, 125-131.	0.8	0