

Ayad A H Faisal

List of Publications by Year in descending order

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49
papers

1,040
citations

516215

16
h-index

454577

30
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49
all docs

49
docs citations

49
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Elimination of Hazard Cadmium Ions from Simulated Groundwater Using Hydroxyapatite Coated Filter Cake Made of Sewage Sludge and Cement Kiln Dust. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1478-1490.	2.4	6
2	Precipitation of (Mg/Fe-CTAB) - Layered double hydroxide nanoparticles onto sewage sludge for producing novel sorbent to remove Congo red and methylene blue dyes from aqueous environment. <i>Chemosphere</i> , 2022, 291, 132693.	4.2	15
3	Neural network for modeling the capture of lead and cadmium ions from wastewater using date palm stones. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10563-10576.	1.8	3
4	Cement kiln dust-sand permeable reactive barrier for remediation of groundwater contaminated with dissolved benzene. <i>Separation Science and Technology</i> , 2021, 56, 870-883.	1.3	10
5	EFFECT OF OPERATIONAL CONDITIONS ON THE REMOVAL OF CADMIUM IONS FROM SIMULATED WASTEWATER USING COMPOSITE SORBENT. <i>Plant Archives</i> , 2021, 21, 82-85.	0.1	0
6	Novel Sorbent of Sand Coated with Humic Acid-Iron Oxide Nanoparticles for Elimination of Copper and Cadmium Ions from Contaminated Water. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3618-3635.	2.4	9
7	Cost-effective composite prepared from sewage sludge waste and cement kiln dust as permeable reactive barrier to remediate simulated groundwater polluted with tetracycline. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105194.	3.3	16
8	Green synthesis for novel sorbent of sand coated with (Ca/Al)-layered double hydroxide for the removal of toxic dye from aqueous environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105342.	3.3	25
9	A Comprehensive Review for Groundwater Contamination and Remediation: Occurrence, Migration and Adsorption Modelling. <i>Molecules</i> , 2021, 26, 5913.	1.7	65
10	Modification of Langmuir model for simulating initial pH and temperature effects on sorption process. <i>Separation Science and Technology</i> , 2020, 55, 2729-2736.	1.3	31
11	Biochemical performance modelling of non-vegetated and vegetated vertical subsurface-flow constructed wetlands treating municipal wastewater in hot and dry climate. <i>Journal of Water Process Engineering</i> , 2020, 33, 101003.	2.6	24
12	Predominant mechanisms for the removal of nickel metal ion from aqueous solution using cement kiln dust. <i>Journal of Water Process Engineering</i> , 2020, 33, 101033.	2.6	34
13	Waterworks sludge-filter sand permeable reactive barrier for removal of toxic lead ions from contaminated groundwater. <i>Journal of Water Process Engineering</i> , 2020, 33, 101112.	2.6	163
14	Humic acid coated sand as a novel sorbent in permeable reactive barrier for environmental remediation of groundwater polluted with copper and cadmium ions. <i>Journal of Water Process Engineering</i> , 2020, 36, 101373.	2.6	28
15	Waste Foundry Sand as Permeable and Low Permeable Barrier for Restriction of the Propagation of Lead and Nickel Ions in Groundwater. <i>Journal of Chemistry</i> , 2020, 2020, 1-13.	0.9	13
16	Kinetic Model for pH Variation Resulted from Interaction of Aqueous Solution Contaminated with Nickel Ions and Cement Kiln Dust. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	0.9	14
17	Predominant Mechanisms in the Treatment of Wastewater Due to Interaction of Benzaldehyde and Iron Slag Byproduct. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 226.	1.2	22
18	Waste foundry sand/MgFe-layered double hydroxides composite material for efficient removal of Congo red dye from aqueous solution. <i>Scientific Reports</i> , 2020, 10, 2042.	1.6	101

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19	Environmental remediation of synthetic leachate produced from sanitary landfills using low-cost composite sorbent. <i>Environmental Technology and Innovation</i> , 2020, 18, 100680.	3.0	24
20	A sustainable approach to utilize olive pips for the sorption of lead ions: Numerical modeling with aid of artificial neural network. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 15, 100220.	1.6	17
21	COMSOL multiphysics 3.5a package for simulating the cadmium transport in the sand bed-bentonite low permeable barrier. <i>Journal of King Saud University - Science</i> , 2020, 32, 1944-1952.	1.6	19
22	Synthesis of a Novel Composite Sorbent Coated with Siderite Nanoparticles and its Application for Remediation of Water Contaminated with Congo Red Dye. <i>International Journal of Environmental Research</i> , 2020, 14, 177-191.	1.1	23
23	Synthesis of composite sorbent for the treatment of aqueous solutions contaminated with methylene blue dye. <i>Water Science and Technology</i> , 2020, 81, 1494-1506.	1.2	14
24	Permeable Reactive Barrier of Coated Sand by Iron Oxide for Treatment of Groundwater Contaminated with Cadmium and Copper Ions. <i>Al-Khwarizmi Engineering Journal</i> , 2020, 16, 47-55.	0.3	3
25	Removal of Dissolved Trivalent Chromium Ions from Contaminated Wastewater using Locally Available Raw Scrap Iron-Aluminum Waste. <i>Al-Khwarizmi Engineering Journal</i> , 2019, 15, 134-143.	0.3	9
26	Simulation of Ammonia Nitrogen Removal from Simulated Wastewater by Sorption onto Waste Foundry Sand Using Artificial Neural Network. <i>Association of Arab Universities Journal of Engineering Sciences</i> , 2019, 26, 28-34.	0.2	20
27	Performance of Subsurface Flow Constructed Wetland Systems in the Treatment of Al-Rustumia Municipal Wastewater using Continuous Loading Feed. <i>Iraqi Journal of Chemical and Petroleum Engineering</i> , 2019, 20, 33-40.	0.3	2
28	A review of permeable reactive barrier as passive sustainable technology for groundwater remediation. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1123-1138.	1.8	101
29	Removal Of Dissolved Cadmium Ions from Contaminated Wastewater using Raw Scrap Zero-Valent Iron And Zero Valent Aluminum as Locally Available and Inexpensive Sorbent Wastes. <i>Iraqi Journal of Chemical and Petroleum Engineering</i> , 2018, 19, 39-45.	0.3	9
30	Using sewage sludge as a permeable reactive barrier for remediation of groundwater contaminated with lead and phenol. <i>Separation Science and Technology</i> , 2017, 52, 732-742.	1.3	17
31	Remediation of groundwater contaminated with the lead-phenol binary system by granular dead anaerobic sludge-permeable reactive barrier. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2534-2542.	1.2	10
32	Dominant Mechanisms for Metal Removal from Acidic Aqueous Solutions by Cement Kiln Dust. <i>Mine Water and the Environment</i> , 2017, 36, 209-216.	0.9	5
33	Effect of pH on the performance of olive pips reactive barrier through the migration of copper-contaminated groundwater. <i>Desalination and Water Treatment</i> , 2016, 57, 4935-4943.	1.0	10
34	Simultaneous adsorption-precipitation characterization as mechanisms for metals removal from aqueous solutions by cement kiln dust (CKD). <i>Desalination and Water Treatment</i> , 2016, 57, 819-826.	1.0	10
35	Groundwater protection from lead contamination using granular dead anaerobic sludge biosorbent as permeable reactive barrier. <i>Desalination and Water Treatment</i> , 2016, 57, 3891-3903.	1.0	14
36	Removal of copper ions from contaminated groundwater using waste foundry sand as permeable reactive barrier. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2613-2622.	1.8	15

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37	Removal of zinc from contaminated groundwater by zero-valent iron permeable reactive barrier. <i>Desalination and Water Treatment</i> , 2015, 55, 1586-1597.	1.0	17
38	Cement kiln dust (CKD)-filter sand permeable reactive barrier for the removal of Cu(II) and Zn(II) from simulated acidic groundwater. <i>Journal of Hazardous Materials</i> , 2015, 297, 160-172.	6.5	45
39	Using Granular Dead Anaerobic Sludge as Permeable Reactive Barrier for Remediation of Groundwater Contaminated with Phenol. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, .	0.7	10
40	Performance of granular dead anaerobic sludge as permeable reactive barrier for containment of lead from contaminated groundwater. <i>Desalination and Water Treatment</i> , 2015, 56, 327-337.	1.0	11
41	Modeling of Trichloroethylene Migration in Three-Dimensional Saturated Sandy Soil. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 7763-7769.	1.1	2
42	Influence of Clay Lens on Migration of Light Nonaqueous Phase Liquid in Unsaturated Zone. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 9-14.	0.7	6
43	Groundwater protection from cadmium contamination by zeolite permeable reactive barrier. <i>Desalination and Water Treatment</i> , 0, , 1-10.	1.0	15
44	An acidic injection well technique for enhancement of the removal of copper from contaminated soil by electrokinetic remediation process. <i>Separation Science and Technology</i> , 0, , 150629132824009.	1.3	5
45	Removal of zinc, lead and nickel from contaminated soil by electro-kinetic technology under the influence of washing and buoyance forces with different purging solutions. <i>Separation Science and Technology</i> , 0, , 1-14.	1.3	2
46	Using different materials as permeable reactive barrier for remediation of groundwater contaminated with landfill's leachate. , 0, 175, 152-163.		16
47	Possibility of using granular iron slag by-product as permeable reactive barrier for remediation of simulated water contaminated with lead ions. , 0, 178, 211-219.		9
48	Removal of copper and cadmium ions from contaminated groundwater by iron oxide/hydroxide-coated sand in the permeable reactive barrier technology. , 0, 182, 208-219.		1
49	Removal of dissolved benzaldehyde from contaminated water stream using granular iron slag byproduct in the permeable reactive barrier technology. , 0, 203, 315-326.		0