

Ayad A H Faisal

List of Publications by Year in descending order

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516710

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#	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. Journal of Polymers and the Environment, 2022, 30, 1478-1490.	5.0	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. Chemosphere, 2022, 291, 132693.	8.2	15
3	Neural network for modeling the capture of lead and cadmium ions from wastewater using date palm stones. International Journal of Environmental Science and Technology, 2022, 19, 10563-10576.	3.5	3
4	Cement kiln dust-sand permeable reactive barrier for remediation of groundwater contaminated with dissolved benzene. Separation Science and Technology, 2021, 56, 870-883.	2.5	10
5	EFFECT OF OPERATIONAL CONDITIONS ON THE REMOVAL OF CADMIUM IONS FROM SIMULATED WASTEWATER USING COMPOSITE SORBENT. Plant Archives, 2021, 21, 82-85.	0.2	0
6	Novel Sorbent of Sand Coated with Humic Acid-Iron Oxide Nanoparticles for Elimination of Copper and Cadmium Ions from Contaminated Water. Journal of Polymers and the Environment, 2021, 29, 3618-3635.	5.0	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. Journal of Environmental Chemical Engineering, 2021, 9, 105194.	6.7	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. Journal of Environmental Chemical Engineering, 2021, 9, 105342.	6.7	25
9	A Comprehensive Review for Groundwater Contamination and Remediation: Occurrence, Migration and Adsorption Modelling. Molecules, 2021, 26, 5913.	3.8	65
10	Modification of Langmuir model for simulating initial pH and temperature effects on sorption process. Separation Science and Technology, 2020, 55, 2729-2736.	2.5	31
11	Biochemical performance modelling of non-vegetated and vegetated vertical subsurface-flow constructed wetlands treating municipal wastewater in hot and dry climate. Journal of Water Process Engineering, 2020, 33, 101003.	5.6	24
12	Predominant mechanisms for the removal of nickel metal ion from aqueous solution using cement kiln dust. Journal of Water Process Engineering, 2020, 33, 101033.	5.6	34
13	Waterworks sludge-filter sand permeable reactive barrier for removal of toxic lead ions from contaminated groundwater. Journal of Water Process Engineering, 2020, 33, 101112.	5.6	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. Journal of Water Process Engineering, 2020, 36, 101373.	5.6	28
15	Waste Foundry Sand as Permeable and Low Permeable Barrier for Restriction of the Propagation of Lead and Nickel Ions in Groundwater. Journal of Chemistry, 2020, 2020, 1-13.	1.9	13
16	Kinetic Model for pH Variation Resulted from Interaction of Aqueous Solution Contaminated with Nickel Ions and Cement Kiln Dust. Journal of Chemistry, 2020, 2020, 1-11.	1.9	14
17	Predominant Mechanisms in the Treatment of Wastewater Due to Interaction of Benzaldehyde and Iron Slag Byproduct. International Journal of Environmental Research and Public Health, 2020, 17, 226.	2.6	22
18	Waste foundry sand/MgFe-layered double hydroxides composite material for efficient removal of Congo red dye from aqueous solution. Scientific Reports, 2020, 10, 2042.	3.3	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.	6.1	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.	3.3	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.	3.5	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.	2.3	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.	2.5	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.	0.5	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.	0.5	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.	0.8	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.	3.5	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.	0.8	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.	2.5	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.	2.2	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.	2.0	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.	3.5	15

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37	Removal of zinc from contaminated groundwater by zero-valent iron permeable reactive barrier. Desalination and Water Treatment, 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. Journal of Hazardous Materials, 2015, 297, 160-172.	12.4	45
39	Using Granular Dead Anaerobic Sludge as Permeable Reactive Barrier for Remediation of Groundwater Contaminated with Phenol. Journal of Environmental Engineering, ASCE, 2015, 141, .	1.4	10
40	Performance of granular dead anaerobic sludge as permeable reactive barrier for containment of lead from contaminated groundwater. Desalination and Water Treatment, 2015, 56, 327-337.	1.0	11
41	Modeling of Trichloroethylene Migration in Three-Dimensional Saturated Sandy Soil. Arabian Journal for Science and Engineering, 2014, 39, 7763-7769.	1.1	2
42	Influence of Clay Lens on Migration of Light Nonaqueous Phase Liquid in Unsaturated Zone. Journal of Environmental Engineering, ASCE, 2011, 137, 9-14.	1.4	6
43	Groundwater protection from cadmium contamination by zeolite permeable reactive barrier. Desalination and Water Treatment, 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. Separation Science and Technology, 0, , 150629132824009.	2.5	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. Separation Science and Technology, 0, , 1-14.	2.5	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