

Ali H Al-Marzouqi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

817
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516710

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docs citations

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642
citing authors

#	ARTICLE	IF	CITATIONS
1	CO2 capture and ions removal through reaction with potassium hydroxide in desalination reject brine: Statistical optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 170, 108722.	3.6	13
2	ABS/Silicon Dioxide Micro Particulate Composite from 3D Printing Polymeric Waste. <i>Polymers</i> , 2022, 14, 509.	4.5	11
3	Biomimetic PLGA/Strontium-Zinc Nano Hydroxyapatite Composite Scaffolds for Bone Regeneration. <i>Journal of Functional Biomaterials</i> , 2022, 13, 13.	4.4	19
4	A New Green Composite Based on Plasticized Polylactic Acid Mixed with Date Palm Waste for Single-Use Plastics Applications. <i>Polymers</i> , 2022, 14, 574.	4.5	15
5	Producing Particulate Composite Using 3D Printing Plastics Waste. , 2022, , .		3
6	A New Method for Capturing CO2 from Effluent Gases Using a Rice-Based Product. <i>Energies</i> , 2022, 15, 2287.	3.1	2
7	Isolation and Characterization of Cellulose Nanocrystals from Date Palm Waste. <i>ACS Omega</i> , 2022, 7, 25366-25379.	3.5	26
8	A CFD Investigation on the Effect of IPSBR Operational Conditions on Liquid Phase Hydrodynamics. , 2021, , .		3
9	Treatment of saline wastewater and carbon dioxide capture using electrodialysis. , 2021, , .		2
10	Embracing Additive Manufacturing Technology through Fused Filament Fabrication for Antimicrobial with Enhanced Formulated Materials. <i>Polymers</i> , 2021, 13, 1523.	4.5	25
11	Effects of potassium hydroxide and aluminum oxide on the performance of a modified solvay process for CO ₂ capture: A comparative study. <i>International Journal of Energy Research</i> , 2021, 45, 13952-13964.	4.5	22
12	Comprehensive Characterization of Polymeric Composites Reinforced with Silica Microparticles Using Leftover Materials of Fused Filament Fabrication 3D Printing. <i>Polymers</i> , 2021, 13, 2423.	4.5	13
13	A New Process for the Recovery of Ammonia from Ammoniated High-Salinity Brine. <i>Sustainability</i> , 2021, 13, 10014.	3.2	9
14	KOH-Based Modified Solvay Process for Removing Na Ions from High Salinity Reject Brine at High Temperatures. <i>Sustainability</i> , 2021, 13, 10200.	3.2	15
15	Effective and sustainable adsorbent materials for oil spill cleanup based on a multistage desalination process. <i>Journal of Environmental Management</i> , 2021, 299, 113652.	7.8	18
16	Comprehensive Optimization of the Dispersion of Mixing Particles in an Inert-Particle Spouted-Bed Reactor (IPSBR) System. <i>Processes</i> , 2021, 9, 1921.	2.8	6
17	3D Printing PLA Waste to Produce Ceramic Based Particulate Reinforced Composite Using Abundant Silica-Sand: Mechanical Properties Characterization. <i>Polymers</i> , 2020, 12, 2579.	4.5	48
18	Implementing FDM 3D Printing Strategies Using Natural Fibers to Produce Biomass Composite. <i>Materials</i> , 2020, 13, 4065.	2.9	64

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19	Simultaneous treatment of reject brine and capture of carbon dioxide: A comprehensive review. <i>Desalination</i> , 2020, 483, 114386.	8.2	55
20	Computational fluid dynamics simulation of an Inert Particles Spouted Bed Reactor (IPSBR) system. <i>International Journal of Chemical Reactor Engineering</i> , 2020, .	1.1	8
21	Isolation and characterization of cellulose and β -cellulose from date palm biomass waste. <i>Heliyon</i> , 2019, 5, e02937.	3.2	84
22	A new process for the capture of CO ₂ and reduction of water salinity. <i>Desalination</i> , 2017, 411, 69-75.	8.2	60
23	Evaluation of a novel gas-liquid contactor/reactor system for natural gas applications. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 39, 133-142.	4.4	19
24	Physicochemical characterizations of safranal- β -cyclodextrin inclusion complexes prepared by supercritical carbon dioxide and conventional methods. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 215-226.	1.6	6
25	Physicochemical properties of antifungal drug- β -cyclodextrin complexes prepared by supercritical carbon dioxide and by conventional techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 227-233.	2.8	87
26	Influence of the preparation method on the physicochemical properties of econazole- β -cyclodextrin complexes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008, 60, 85-93.	1.6	28
27	Physicochemical characterization of drug-cyclodextrin complexes prepared by supercritical carbon dioxide and by conventional techniques. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 223-231.	1.6	28
28	Evaluation of supercritical fluid technology as preparative technique of benzocaine- β -cyclodextrin complexes-Comparison with conventional methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 566-574.	2.8	45
29	Phase solubility and inclusion complex of itraconazole with β -cyclodextrin using supercritical carbon dioxide. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 292-304.	3.3	81
30	Processing Biodegradable Fused Filament Fabrication Waste with Micro-Silica Particles. <i>Key Engineering Materials</i> , 0, 907, 156-162.	0.4	2