

Abbas Elhambakhsh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2950712/publications.pdf>

Version: 2024-02-01

15
papers

257
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the application of supercritical water oxidation for dichlorvos degradation: experimental and simulation aspects. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 4113-4122.	2.2	1
2	Experimental study of carbon dioxide absorption by Fe ₂ O ₃ @glutamine/NMP nanofluid. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1060-1072.	5.3	15
3	Treatment of methyl-diethanolamine wastewater using subcritical and supercritical water oxidation: parameters study, process optimization and degradation mechanism. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57688-57702.	5.3	6
4	Sono-hollow fiber membrane contactors: A new approach for CO ₂ separation by physical/chemical absorbents. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 101, 104538.	4.4	13
5	Highly Selective Physical/Chemical CO ₂ Separation by Functionalized Fe ₃ O ₄ Nanoparticles in Hollow Fiber Membrane Contactors: Experimental and Modeling Approaches. <i>Energy & Fuels</i> , 2022, 36, 4456-4469.	5.1	17
6	Absorption increment of various physical/chemical CO ₂ absorbents using CeO ₂ /SiO ₂ /TiO ₂ nanocomposite. <i>Chemical Papers</i> , 2022, 76, 4817-4834.	2.2	4
7	Coating SiO ₂ nanoparticles with polyvinyl alcohol for interfacial tension alteration in the system CO ₂ +polyethylen glycol+water. <i>Surfaces and Interfaces</i> , 2022, 32, 102164.	3.0	1
8	Enhanced CO ₂ capture efficiency applying amine-based nano magnetite/sulfinol-M nano solvents at high pressures. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3455-3464.	5.3	19
9	Effect of Modified Fe ₃ O ₄ Magnetic NPs on the Absorption Capacity of CO ₂ in Water, Wettability Alteration of Carbonate Rock Surface, and Water-Oil Interfacial Tension for Oilfield Applications. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3421-3434.	3.7	25
10	Air dehumidification using various TEG based nano solvents in hollow fiber membrane contactors. <i>Heat and Mass Transfer</i> , 2021, 57, 1623-1631.	2.1	13
11	CO ₂ separation by rotating liquid sheet contactor: A novel procedure to improve mass transfer characterization. <i>Chemical Engineering Research and Design</i> , 2021, 172, 120-126.	5.6	13
12	Glutamine functionalized iron oxide nanoparticles for high-performance carbon dioxide absorption. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 94, 104081.	4.4	22
13	Effects of different amine-based core-shell magnetic NPs on CO ₂ capture using NMP solution at high pressures. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 84, 103645.	4.4	25
14	Synthesis of different modified magnetic nanoparticles for selective physical/chemical absorption of CO ₂ in a bubble column reactor. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104195.	6.7	41
15	Investigation of Carbon Dioxide Absorption Using Different Functionalized Fe ₃ O ₄ Magnetic Nanoparticles. <i>Energy & Fuels</i> , 2020, 34, 7198-7208.	5.1	42