

Reza Abedini

List of Publications by Year in descending order

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papers

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citations

567281

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A new approach toward modeling of mixed-gas sorption in glassy polymers based on metaheuristic algorithms. <i>Journal of Polymer Science</i> , 2022, 60, 1392-1406.	3.8	5
2	Effect of Cu-MOFs incorporation on gas separation of Pebax thin film nanocomposite (TFN) membrane. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 121-128.	2.7	11
3	Kinetic Modeling of Combined Steam and CO ₂ Reforming of Methane over the Ni-Pd/Al ₂ O ₃ Catalyst Using Langmuir-Hinshelwood and Langmuir-Freundlich Isotherms. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 851-863.	3.7	19
4	Pure and mixed gas permeation study of silica incorporated polyurethane-urea membrane modified by MOCA chain extender. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1543-1557.	1.7	10
5	Combined steam and CO ₂ reforming of methane (CSCRM) over Ni-Pd/Al ₂ O ₃ catalyst for syngas formation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14293-14310.	7.1	35
6	Enhanced antifouling properties of poly(ethersulfone) nano-composite membrane filled with nano-clay particles. <i>Polymer Bulletin</i> , 2019, 76, 1737-1753.	3.3	22
7	Evaluation and modeling of Fischer-Tropsch synthesis in presence of a Co/ZrO ₂ catalyst. <i>Petroleum Science and Technology</i> , 2019, 37, 2338-2349.	1.5	13
8	CO ₂ separation over light gases for nano-composite membrane comprising modified polyurethane with SiO ₂ nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 763-779.	2.7	24
9	Preparation and characterisation of new microporous Elvaloy4170 coated PVDF membrane for desalination by air gap membrane distillation. <i>Micro and Nano Letters</i> , 2019, 14, 551-555.	1.3	8
10	A preferential CO ₂ separation using binary phases membrane consisting of Pebax®1657 and [Omim][PF ₆] ionic liquid. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 2085-2094.	2.7	19
11	Effect of synthesis solution pH of Co/Al ₂ O ₃ catalyst on its catalytic properties for methane conversion to syngas. <i>Journal of Fuel Chemistry and Technology</i> , 2018, 46, 311-318.	2.0	17
12	Aminosilane grafted Matrimid 5218/nano-silica mixed matrix membrane for CO ₂ /light gases separation. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 526-534.	2.7	34
13	The influence of nanoparticles on gas transport properties of mixed matrix membranes: An experimental investigation and modeling. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 829-843.	2.7	28
14	Ni@Pd nanoparticle with core-shell structure supported over Al ₂ O ₃ for partial oxidation process of butane to syngas. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18941-18950.	7.1	20
15	Detailed kinetic study of Fischer-Tropsch synthesis for gasoline production over Co Ni/HZSM-5 nano-structure catalyst. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27013-27023.	7.1	30
16	Improving the Properties and Engine Performance of Diesel-Methanol-Nanoparticle Blend Fuels via Optimization of the Emissions and Engine Performance. <i>Energy & Fuels</i> , 2016, 30, 8200-8208.	5.1	37
17	Synthesis and characterization of poly(ether-block-amide) mixed matrix membranes incorporated by nanoporous ZSM-5 particles for CO ₂ /CH ₄ separation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 522-532.	1.5	50
18	Modification of existing permeation models of mixed matrix membranes filled with porous particles for gas separation. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 547-555.	1.7	19

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19	CO ₂ /CH ₄ separation with poly(4-methyl-1-pentyne) (TPX) based mixed matrix membrane filled with Al ₂ O ₃ nanoparticles. Korean Journal of Chemical Engineering, 2016, 33, 657-665.	2.7	34
20	The development of new comprehensive kinetic modeling for Fischer-Tropsch synthesis process over Co-Ru/γ-Al ₂ O ₃ nano-catalyst in a fixed-bed reactor. Chemical Engineering Journal, 2016, 286, 416-426.	12.7	41