

Reza Abedini

List of Publications by Year in descending order

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papers

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21
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439
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of poly (etherâ€blockâ€amide) mixed matrix membranes incorporated by nanoporous ZSMâ€5 particles for CO ₂ /CH ₄ separation. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 522-532.	1.5	50
2	The development of new comprehensive kinetic modeling for Fischerâ€Tropsch synthesis process over Co-Ru/Î³-Al ₂ O ₃ nano-catalyst in a fixed-bed reactor. Chemical Engineering Journal, 2016, 286, 416-426.	12.7	41
3	Improving the Properties and Engine Performance of Dieselâ€Methanolâ€Nanoparticle Blend Fuels via Optimization of the Emissions and Engine Performance. Energy & Fuels, 2016, 30, 8200-8208.	5.1	37
4	Combined steam and CO ₂ reforming of methane (CSCRM) over Niâ€Pd/Al ₂ O ₃ catalyst for syngas formation. International Journal of Hydrogen Energy, 2020, 45, 14293-14310.	7.1	35
5	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
6	Aminosilane grafted Matrimid 5218/nano-silica mixed matrix membrane for CO ₂ /light gases separation. Korean Journal of Chemical Engineering, 2018, 35, 526-534.	2.7	34
7	Detailed kinetic study of Fischer â€ Tropsch synthesis for gasoline production over Co Ni/HZSM-5 nano-structure catalyst. International Journal of Hydrogen Energy, 2017, 42, 27013-27023.	7.1	30
8	The influence of nanoparticles on gas transport properties of mixed matrix membranes: An experimental investigation and modeling. Korean Journal of Chemical Engineering, 2017, 34, 829-843.	2.7	28
9	CO ₂ separation over light gases for nano-composite membrane comprising modified polyurethane with SiO ₂ nanoparticles. Korean Journal of Chemical Engineering, 2019, 36, 763-779.	2.7	24
10	Enhanced antifouling properties of poly(ethersulfone) nano-composite membrane filled with nano-clay particles. Polymer Bulletin, 2019, 76, 1737-1753.	3.3	22
11	Ni@Pd nanoparticle with coreâ€shell structure supported over Î³-Al ₂ O ₃ for partial oxidation process of butane to syngas. International Journal of Hydrogen Energy, 2017, 42, 18941-18950.	7.1	20
12	Modification of existing permeation models of mixed matrix membranes filled with porous particles for gas separation. Canadian Journal of Chemical Engineering, 2016, 94, 547-555.	1.7	19
13	A preferential CO ₂ separation using binary phases membrane consisting of Pebax®1657 and [Omim][PF ₆] ionic liquid. Korean Journal of Chemical Engineering, 2019, 36, 2085-2094.	2.7	19
14	Kinetic Modeling of Combined Steam and CO ₂ Reforming of Methane over the Niâ€Pd/Al ₂ O ₃ Catalyst Using Langmuirâ€Hinshelwood and Langmuirâ€Freundlich Isotherms. Industrial & Engineering Chemistry Research, 2021, 60, 851-863.	3.7	19
15	Effect of synthesis solution pH of Co/Î³-Al ₂ O ₃ catalyst on its catalytic properties for methane conversion to syngas. Journal of Fuel Chemistry and Technology, 2018, 46, 311-318.	2.0	17
16	Evaluation and modeling of Fischer-Tropsch synthesis in presence of a Co/ZrO ₂ catalyst. Petroleum Science and Technology, 2019, 37, 2338-2349.	1.5	13
17	Effect of Cu-MOFs incorporation on gas separation of Pebax thin film nanocomposite (TFN) membrane. Korean Journal of Chemical Engineering, 2021, 38, 121-128.	2.7	11
18	Pure and mixed gas permeation study of silica incorporated polyurethaneâ€urea membrane modified by MOCA chain extender. Canadian Journal of Chemical Engineering, 2020, 98, 1543-1557.	1.7	10

#	ARTICLE	IF	CITATIONS
19	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
20	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