Samrand Saeidi

List of Publications by Year in descending order

31 papers	1,995 citations	361045 20 h-index	433756 31 g-index
31 all docs	31 docs citations	31 times ranked	2516 citing authors

#	Article	IF	Citations
1	Hydrogenation of CO2 to value-added productsâ€"A review and potential future developments. Journal of CO2 Utilization, 2014, 5, 66-81.	3.3	676
2	Mechanisms and kinetics of CO 2 hydrogenation to value-added products: A detailed review on current status and future trends. Renewable and Sustainable Energy Reviews, 2017, 80, 1292-1311.	8.2	175
3	Recent advances in CO2 hydrogenation to value-added products â€" Current challenges and future directions. Progress in Energy and Combustion Science, 2021, 85, 100905.	15.8	134
4	Oxidative dehydrogenation of ethane: catalytic and mechanistic aspects and future trends. Chemical Society Reviews, 2021, 50, 4564-4605.	18.7	119
5	The Effect of Heat Treatment on the Oxidation Behavior of HVOF and VPS CoNiCrAlY Coatings. Journal of Thermal Spray Technology, 2009, 18, 209-216.	1.6	92
6	Hydrogen production: Perspectives, separation with special emphasis on kinetics of WGS reaction: A state-of-the-art review. Journal of Industrial and Engineering Chemistry, 2017, 49, 1-25.	2.9	92
7	Mechanical Properties and Microstructure of VPS and HVOF CoNiCrAlY Coatings. Journal of Thermal Spray Technology, 2011, 20, 1231-1243.	1.6	65
8	Photocatalytic conversion of CO2 and CH4 over immobilized titania nanoparticles coated on mesh: Optimization and kinetic study. Applied Energy, 2016, 162, 1171-1185.	5.1	57
9	Recent advances in reactors for low-temperature Fischer-Tropsch synthesis: process intensification perspective. Reviews in Chemical Engineering, 2015, 31, .	2.3	56
10	Modeling and optimization of hydrogenation of CO2: Estimation of kinetic parameters via Artificial Bee Colony (ABC) and Differential Evolution (DE) algorithms. International Journal of Hydrogen Energy, 2019, 44, 4630-4649.	3.8	35
11	Progress in Reactors for High-Temperature Fischerâ€"Tropsch Process: Determination Place of Intensifier Reactor Perspective. International Journal of Chemical Reactor Engineering, 2014, 12, 639-664.	0.6	34
12	Multi-objective optimisation of steam methane reforming considering stoichiometric ratio indicator for methanol production. Journal of Cleaner Production, 2018, 180, 655-665.	4.6	34
13	Photocatalytic conversion and kinetic study of CO2 and CH4 over nitrogen-doped titania nanotube arrays. Journal of Cleaner Production, 2016, 111, 143-154.	4.6	33
14	Catalytic level identification of ZSM-5 on biomass pyrolysis and aromatic hydrocarbon formation. Chemosphere, 2021, 271, 129510.	4.2	33
15	Mixed matrix membranes for hydrocarbons separation and recovery: a critical review. Reviews in Chemical Engineering, 2021, 37, 363-406.	2.3	32
16	Energy and exergy analyses of a novel near zero emission plant: Combination of MATIANT cycle with gasification unit. Applied Thermal Engineering, 2016, 108, 893-904.	3.0	30
17	A comparative thermodynamic analysis and experimental studies on hydrogen synthesis by supercritical water gasification of glucose. Clean Technologies and Environmental Policy, 2015, 17, 2267-2288.	2.1	28
18	Comparison of conventional and spherical reactor for the industrial auto-thermal reforming of methane to maximize synthesis gas and minimize CO2. International Journal of Hydrogen Energy, 2017, 42, 19798-19809.	3.8	28

#	Article	IF	Citations
19	Optical properties and thermal stability evaluation of solar absorbers enhanced by nanostructured selective coating films. Powder Technology, 2021, 377, 939-957.	2.1	28
20	A comparative study between Modified Data Envelopment Analysis and Response Surface Methodology for optimisation of heterogeneous biodiesel production from waste cooking palm oil. Journal of Cleaner Production, 2016, 136, 23-30.	4.6	24
21	Optimization of Synthesis Conditions of Carbon Nanotubes via Ultrasonic-Assisted Floating Catalyst Deposition Using Response Surface Methodology. Nanomaterials, 2018, 8, 316.	1.9	21
22	Progress in spherical packed-bed reactors: Opportunities for refineries and chemical industries. Chemical Engineering and Processing: Process Intensification, 2018, 132, 16-24.	1.8	19
23	Transient natural gas liquefaction process comparison-dynamic heat exchanger under transient changes in flow. Applied Thermal Engineering, 2016, 109, 775-788.	3.0	18
24	Enhancement of hydrogenation of CO2 to hydrocarbons via In-Situ water removal. International Journal of Hydrogen Energy, 2019, 44, 24759-24781.	3.8	18
25	Effect of operating conditions and effectiveness factor on hydrogenation of CO2 to hydrocarbons. International Journal of Hydrogen Energy, 2019, 44, 28586-28602.	3.8	18
26	Modeling and statistical analysis of the three-side membrane reactor for the optimization of hydrocarbon production from CO2 hydrogenation. Energy Conversion and Management, 2020, 207, 112481.	4.4	18
27	Effect of Operating Conditions on Cryogenic Carbon Dioxide Removal. Energy Technology, 2017, 5, 1588-1598.	1.8	16
28	Selective acid-functionalized mesoporous silica catalyst for conversion of glycerol to monoglycerides: state of the art and future prospects. Reviews in Chemical Engineering, 2018, 34, 239-265.	2.3	16
29	Kinetic parameters estimation via dragonfly algorithm (DA) and comparison of cylindrical and spherical reactors performance for CO2 hydrogenation to hydrocarbons. Energy Conversion and Management, 2020, 226, 113550.	4.4	16
30	Utilising a radial flow, spherical packed-bed reactor for auto thermal steam reforming of methane to achieve a high capacity of H2 production. Chemical Engineering and Processing: Process Intensification, 2017, 120, 258-267.	1.8	15
31	Thermal Integration of Sulfuric Acid and Continuous Catalyst Regeneration of Naphtha Reforming Plants. Chemical Engineering and Technology, 2018, 41, 637-655.	0.9	15