

Samrand Saeidi

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,995
citations

361045

20
h-index

433756

31
g-index

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all docs

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docs citations

31
times ranked

2516
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Optical properties and thermal stability evaluation of solar absorbers enhanced by nanostructured selective coating films. <i>Powder Technology</i> , 2021, 377, 939-957. | 2.1 | 28 |
| 2 | Mixed matrix membranes for hydrocarbons separation and recovery: a critical review. <i>Reviews in Chemical Engineering</i> , 2021, 37, 363-406. | 2.3 | 32 |
| 3 | Catalytic level identification of ZSM-5 on biomass pyrolysis and aromatic hydrocarbon formation. <i>Chemosphere</i> , 2021, 271, 129510. | 4.2 | 33 |
| 4 | Recent advances in CO ₂ hydrogenation to value-added products – Current challenges and future directions. <i>Progress in Energy and Combustion Science</i> , 2021, 85, 100905. | 15.8 | 134 |
| 5 | Oxidative dehydrogenation of ethane: catalytic and mechanistic aspects and future trends. <i>Chemical Society Reviews</i> , 2021, 50, 4564-4605. | 18.7 | 119 |
| 6 | Kinetic parameters estimation via dragonfly algorithm (DA) and comparison of cylindrical and spherical reactors performance for CO ₂ hydrogenation to hydrocarbons. <i>Energy Conversion and Management</i> , 2020, 226, 113550. | 4.4 | 16 |
| 7 | Modeling and statistical analysis of the three-side membrane reactor for the optimization of hydrocarbon production from CO ₂ hydrogenation. <i>Energy Conversion and Management</i> , 2020, 207, 112481. | 4.4 | 18 |
| 8 | Enhancement of hydrogenation of CO ₂ to hydrocarbons via In-Situ water removal. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24759-24781. | 3.8 | 18 |
| 9 | Effect of operating conditions and effectiveness factor on hydrogenation of CO ₂ to hydrocarbons. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28586-28602. | 3.8 | 18 |
| 10 | Modeling and optimization of hydrogenation of CO ₂ : Estimation of kinetic parameters via Artificial Bee Colony (ABC) and Differential Evolution (DE) algorithms. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4630-4649. | 3.8 | 35 |
| 11 | Multi-objective optimisation of steam methane reforming considering stoichiometric ratio indicator for methanol production. <i>Journal of Cleaner Production</i> , 2018, 180, 655-665. | 4.6 | 34 |
| 12 | Thermal Integration of Sulfuric Acid and Continuous Catalyst Regeneration of Naphtha Reforming Plants. <i>Chemical Engineering and Technology</i> , 2018, 41, 637-655. | 0.9 | 15 |
| 13 | Selective acid-functionalized mesoporous silica catalyst for conversion of glycerol to monoglycerides: state of the art and future prospects. <i>Reviews in Chemical Engineering</i> , 2018, 34, 239-265. | 2.3 | 16 |
| 14 | Optimization of Synthesis Conditions of Carbon Nanotubes via Ultrasonic-Assisted Floating Catalyst Deposition Using Response Surface Methodology. <i>Nanomaterials</i> , 2018, 8, 316. | 1.9 | 21 |
| 15 | Progress in spherical packed-bed reactors: Opportunities for refineries and chemical industries. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 132, 16-24. | 1.8 | 19 |
| 16 | Effect of Operating Conditions on Cryogenic Carbon Dioxide Removal. <i>Energy Technology</i> , 2017, 5, 1588-1598. | 1.8 | 16 |
| 17 | Mechanisms and kinetics of CO ₂ hydrogenation to value-added products: A detailed review on current status and future trends. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1292-1311. | 8.2 | 175 |
| 18 | Hydrogen production: Perspectives, separation with special emphasis on kinetics of WGS reaction: A state-of-the-art review. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 49, 1-25. | 2.9 | 92 |

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|----|--|-----|-----------|
| 19 | Comparison of conventional and spherical reactor for the industrial auto-thermal reforming of methane to maximize synthesis gas and minimize CO ₂ . International Journal of Hydrogen Energy, 2017, 42, 19798-19809. | 3.8 | 28 |
| 20 | Utilising a radial flow, spherical packed-bed reactor for auto thermal steam reforming of methane to achieve a high capacity of H ₂ production. Chemical Engineering and Processing: Process Intensification, 2017, 120, 258-267. | 1.8 | 15 |
| 21 | 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 |
| 22 | Transient natural gas liquefaction process comparison-dynamic heat exchanger under transient changes in flow. Applied Thermal Engineering, 2016, 109, 775-788. | 3.0 | 18 |
| 23 | 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 |
| 24 | Photocatalytic conversion and kinetic study of CO ₂ and CH ₄ over nitrogen-doped titania nanotube arrays. Journal of Cleaner Production, 2016, 111, 143-154. | 4.6 | 33 |
| 25 | Photocatalytic conversion of CO ₂ and CH ₄ over immobilized titania nanoparticles coated on mesh: Optimization and kinetic study. Applied Energy, 2016, 162, 1171-1185. | 5.1 | 57 |
| 26 | Recent advances in reactors for low-temperature Fischer-Tropsch synthesis: process intensification perspective. Reviews in Chemical Engineering, 2015, 31, . | 2.3 | 56 |
| 27 | 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 |
| 28 | Hydrogenation of CO ₂ to value-added productsâ€”A review and potential future developments. Journal of CO ₂ Utilization, 2014, 5, 66-81. | 3.3 | 676 |
| 29 | 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 |
| 30 | Mechanical Properties and Microstructure of VPS and HVOF CoNiCrAlY Coatings. Journal of Thermal Spray Technology, 2011, 20, 1231-1243. | 1.6 | 65 |
| 31 | 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 |