

Sattar Ghader

List of Publications by Year in descending order

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42
papers

692
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567144

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44
docs citations

44
times ranked

597
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Theoretical Investigation of a Pd-membrane Reactor for Methanol Synthesis. <i>Chemical Engineering and Technology</i> , 2003, 26, 902-907. | 0.9 | 77 |
| 2 | Enhancement of CO conversion in a novel Pd–Ag membrane reactor for methanol synthesis. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004, 43, 1181-1188. | 1.8 | 58 |
| 3 | Experimental study on effect of different parameters on size and shape of triangular silver nanoparticles prepared by a simple and rapid method in aqueous solution. <i>Arabian Journal of Chemistry</i> , 2009, 2, 47-53. | 2.3 | 42 |
| 4 | A model for temperature and particle volume fraction effect on nanofluid viscosity. <i>Journal of Molecular Liquids</i> , 2010, 153, 139-145. | 2.3 | 38 |
| 5 | Application of the response surface methodology for modeling demulsification of crude oil emulsion using a demulsifier. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 700-710. | 1.3 | 36 |
| 6 | Ag recovery from copper anode slime by acid leaching at atmospheric pressure to synthesize silver nanoparticles. <i>International Journal of Mining Science and Technology</i> , 2014, 24, 251-257. | 4.6 | 35 |
| 7 | Incorporation of Flexibility in the Design of a Methanol Synthesis Loop in the Presence of Catalyst Deactivation. <i>Chemical Engineering and Technology</i> , 2003, 26, 672-678. | 0.9 | 33 |
| 8 | Mathematical modeling and simulation of an industrial rotary dryer: A case study of ammonium nitrate plant. <i>Powder Technology</i> , 2013, 239, 499-505. | 2.1 | 29 |
| 9 | Correlating ionic liquids density over wide range of temperature and pressure by volume shift concept. <i>Journal of Molecular Liquids</i> , 2017, 236, 172-183. | 2.3 | 26 |
| 10 | Study on extraction and separation of Ni and Zn using [bmim][PF6] IL as selective extractant from nitric acid solution obtained from zinc plant residue leaching. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5821-5831. | 2.3 | 23 |
| 11 | Population balance modeling: application in nanoparticle formation through rapid expansion of supercritical solution. <i>Computational Particle Mechanics</i> , 2019, 6, 721-737. | 1.5 | 22 |
| 12 | Induction Time of Reaction Crystallization of Silver Nanoparticles. <i>Chemical Engineering and Technology</i> , 2007, 30, 1129-1133. | 0.9 | 21 |
| 13 | Theoretical analysis of oxidative coupling of methane and Fischer Tropsch synthesis in two consecutive reactors: Comparison of fixed bed and membrane reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1811-1826. | 2.9 | 18 |
| 14 | Precipitation kinetics of sodium bicarbonate in an industrial bubble column crystallizer. <i>Crystal Research and Technology</i> , 2009, 44, 159-166. | 0.6 | 17 |
| 15 | Solubility of Ibuprofen in Conventional Solvents and Supercritical CO ₂ : Evaluation of Ideal and Non-Ideal Models. <i>Chemistry and Chemical Technology</i> , 2019, 13, 1-10. | 0.2 | 17 |
| 16 | Correlation of Shear Viscosity of Nanofluids Using the Local Composition Theory. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 102-107. | 1.7 | 15 |
| 17 | Enhancement of gasoline selectivity in combined reactor system consisting of steam reforming of methane and Fischer-Tropsch synthesis. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 87-99. | 1.2 | 15 |
| 18 | Oxidative Coupling of Methane over Li/MgO: Catalyst and Nanocatalyst Performance. <i>Chinese Journal of Chemical Physics</i> , 2011, 24, 70-76. | 0.6 | 13 |

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|----|--|-----|-----------|
| 19 | Numerical solution of particle size distribution equation: Rapid expansion of supercritical solution (RESS) process. <i>Particuology</i> , 2021, 57, 201-213. | 2.0 | 13 |
| 20 | Kinetics investigation of direct natural gas conversion by oxidative coupling of methane. <i>Journal of Natural Gas Science and Engineering</i> , 2010, 2, 270-274. | 2.1 | 12 |
| 21 | A simple kinetic model for oxidative coupling of methane over La _{0.6} Sr _{0.4} Co _{0.8} Fe _{0.2} O _{3-δ} nanocatalyst. <i>Journal of Natural Gas Chemistry</i> , 2011, 20, 325-333. | 1.8 | 12 |
| 22 | Failure analysis and modeling of super heater tubes of a waste heat boiler thermally coupled in ammonia oxidation reactor. <i>Engineering Failure Analysis</i> , 2012, 26, 285-292. | 1.8 | 12 |
| 23 | Solvent Extraction of Nickel and Zinc from Nitric Acid Solution Using D2EHPA: Experimental and Modeling. <i>Journal of Solution Chemistry</i> , 2022, 51, 424-447. | 0.6 | 12 |
| 24 | Ionic liquid excess molar volume prediction: A conceptual comparison. <i>Journal of Molecular Liquids</i> , 2021, 336, 116581. | 2.3 | 11 |
| 25 | A comparison of co-current and counter-current modes for Fischer-Tropsch synthesis in two consecutive reactors of oxidative coupling of methane and Fischer-Tropsch. <i>Journal of Natural Gas Science and Engineering</i> , 2013, 14, 1-16. | 2.1 | 9 |
| 26 | Prediction of Thermal Conductivity and Convective Heat Transfer Coefficient of Nanofluids by Local Composition Theory. <i>Journal of Heat Transfer</i> , 2011, 133, . | 1.2 | 8 |
| 27 | Density calculation of liquid organic compounds using a simple equation of state up to high pressures. <i>Journal of Molecular Liquids</i> , 2011, 160, 94-102. | 2.3 | 8 |
| 28 | Developing models for correlating ionic liquids density: Part 1 – Density at 0.1MPa. <i>Fluid Phase Equilibria</i> , 2012, 331, 33-47. | 1.4 | 8 |
| 29 | New mathematical modeling of temperature-based properties of ionic liquids mixture: Comparison between semi-empirical equation and equation of state. <i>Chemical Engineering Research and Design</i> , 2022, 177, 331-353. | 2.7 | 8 |
| 30 | Mathematical Modeling and Simulation of Drying Using Two Industrial Concurrent and Countercurrent Rotary Dryers for Ammonium Nitrate. <i>Drying Technology</i> , 2013, 31, 1297-1306. | 1.7 | 7 |
| 31 | New isotherm regularity and an equation of state for gases and liquids. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 474-482. | 2.9 | 6 |
| 32 | Developing models for correlating ionic liquids density: Part 2 – Density at high pressures. <i>Fluid Phase Equilibria</i> , 2013, 358, 172-188. | 1.4 | 5 |
| 33 | The effect of heat transfer on products of a thermally coupled shell and tube reactor consisting of two processes: Steam reforming of methane and oxidative coupling of methane. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 133, 263-277. | 1.8 | 5 |
| 34 | Kinetics of Primary Nanoparticle Agglomeration in Precipitation of Silver. <i>Chemical Engineering and Technology</i> , 2009, 32, 835-839. | 0.9 | 4 |
| 35 | Reducing NO _x emissions from a nitric acid plant of domestic petrochemical complex: enhanced conversion in conventional radial-flow reactor of selective catalytic reduction process. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2867-2879. | 1.2 | 4 |
| 36 | Calculation of density, vapor pressure and heat capacity near the critical point by incorporating cubic SRK EoS and crossover translation. <i>Fluid Phase Equilibria</i> , 2019, 493, 10-25. | 1.4 | 4 |

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|----|--|-----|-----------|
| 37 | Induction time of silver nanoparticles precipitation: Experiment and modeling. <i>Crystal Research and Technology</i> , 2009, 44, 953-960. | 0.6 | 3 |
| 38 | Modifying GMA equation of state for description of (P, ρ , T) relation of gas and liquids over an extended pressure range. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 939-948. | 1.2 | 2 |
| 39 | Description of polymer solutions phase equilibria by cubic equation of state with different mixing rules. <i>Journal of Engineering Thermophysics</i> , 2011, 20, 115-127. | 0.6 | 1 |
| 40 | Increasing ethylene production as a high value hydrocarbon in Fischer-Tropsch (FT) reactor: A concept reactor for combining FT with oxidative coupling of methane. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1571-1589. | 1.2 | 1 |
| 41 | On the optimization of the crystallization related to an aqueous copper sulfate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$). <i>Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy</i> , 2021, 130, 50-58. | 0.1 | 1 |
| 42 | Application of a new equation of state to energy carriers. <i>Journal of Engineering Thermophysics</i> , 2016, 25, 143-150. | 0.6 | 0 |