

Andrew Ng Kay Lup

List of Publications by Year in descending order

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29
papers

945
citations

567144

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552653

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times ranked

888
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Molecular docking evaluation of celecoxib on the boron nitride nanostructures for alleviation of cardiovascular risk and inflammatory. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103521. | 2.3 | 13 |
| 2 | Improved anti-inflammatory and anticancer properties of celecoxib loaded zinc oxide and magnesium oxide nanoclusters: A molecular docking and density functional theory simulation. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103568. | 2.3 | 11 |
| 3 | Third-order nonlinear optical properties and thermal lens effect of 5-hydroxyquinoline azo dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113763. | 2.0 | 5 |
| 4 | Kinetic Perspective on Methanol to Propylene Process via HZSM-5 Catalyst: Balancing between Reaction and Diffusion. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2055-2067. | 1.8 | 6 |
| 5 | Electrostatic interaction assisted Ca-decorated C20 fullerene loaded to anti-inflammatory drugs to manage cardiovascular disease risk in rheumatoid arthritis patients. <i>Journal of Molecular Liquids</i> , 2022, 350, 118564. | 2.3 | 18 |
| 6 | Anti-inflammatory effect of functionalized sulfasalazine boron nitride nanocages on cardiovascular disease and breast cancer: An in-silico simulation. <i>Journal of Molecular Liquids</i> , 2022, 356, 119030. | 2.3 | 13 |
| 7 | Investigations of adsorption behavior and anti-inflammatory activity of glycine functionalized Al12N12 and Al12ON11 fullerene-like cages. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119023. | 2.0 | 23 |
| 8 | A comprehensive spectroscopic, solvatochromic and photochemical analysis of 5-hydroxyquinoline and 8-hydroxyquinoline mono-azo dyes. <i>Journal of Molecular Structure</i> , 2021, 1223, 129323. | 1.8 | 11 |
| 9 | Green and Sustainable Battery Materials. , 2021, , 1-29. | | 0 |
| 10 | Spectroscopic, density functional theory, cytotoxicity and antioxidant activities of sulfasalazine and naproxen drugs combination. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103190. | 2.3 | 16 |
| 11 | Investigations of adsorption behavior and anti-cancer activity of curcumin on pure and platinum-functionalized B12N12 nanocages. <i>Journal of Molecular Liquids</i> , 2021, 334, 116516. | 2.3 | 39 |
| 12 | Geometrical friction amplification model for interleaved systems. <i>Physica Scripta</i> , 2021, 96, 115202. | 1.2 | 0 |
| 13 | Penicillamine functionalized B12N12 and B12CaN12 nanocages act as potential inhibitors of proinflammatory cytokines: A combined DFT analysis, ADMET and molecular docking study. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103200. | 2.3 | 28 |
| 14 | Effect of temperature and feed rate on pyrolysis oil produced via helical screw fluidized bed reactor. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1797-1809. | 1.2 | 17 |
| 15 | Optimization of palm shell pyrolysis parameters in helical screw fluidized bed reactor: Effect of particle size, pyrolysis time and vapor residence time. <i>Cleaner Engineering and Technology</i> , 2021, 4, 100174. | 2.1 | 17 |
| 16 | Molecular Modeling and Simulation of glycine functionalized B12N12 and B16N16 nanoclusters as potential inhibitors of proinflammatory cytokines. <i>Journal of Molecular Liquids</i> , 2021, 343, 117494. | 2.3 | 19 |
| 17 | Ab Initio Study of TEPA Adsorption on Pristine, Al and Si Doped Carbon and Boron Nitride Nanotubes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4297-4310. | 1.9 | 21 |
| 18 | Nature's fight against plastic pollution: Algae for plastic biodegradation and bioplastics production. <i>Environmental Science and Ecotechnology</i> , 2020, 4, 100065. | 6.7 | 174 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Influence of the adsorption of toxic agents on the optical and electronic properties of B ₁₂ N ₁₂ fullerene in the presence and absence of an external electric field. <i>New Journal of Chemistry</i> , 2020, 44, 14513-14528. | 1.4 | 14 |
| 20 | Temperature-programmed reduction of silver(I) oxide using a titania-supported silver catalyst under a H ₂ atmosphere. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1443-1455. | 0.8 | 7 |
| 21 | A review on deoxygenation of triglycerides for jet fuel range hydrocarbons. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 140, 1-24. | 2.6 | 89 |
| 22 | Atmospheric hydrodeoxygenation of phenol as pyrolytic oil model compound for hydrocarbon production using Ag/TiO ₂ catalyst. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2293. | 0.8 | 12 |
| 23 | Synergistic interaction of metal-acid sites for phenol hydrodeoxygenation over bifunctional Ag/TiO ₂ nanocatalyst. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 349-361. | 1.7 | 22 |
| 24 | A technical review on semi-continuous and continuous pyrolysis process of biomass to bio-oil. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 131, 52-75. | 2.6 | 103 |
| 25 | Acidity, oxophilicity and hydrogen sticking probability of supported metal catalysts for hydrodeoxygenation process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 334, 012074. | 0.3 | 7 |
| 26 | Delayed volatiles release phenomenon at higher temperature in TGA via sample encapsulation technique. <i>Fuel</i> , 2018, 234, 422-429. | 3.4 | 10 |
| 27 | A review on reaction mechanisms of metal-catalyzed deoxygenation process in bio-oil model compounds. <i>Applied Catalysis A: General</i> , 2017, 541, 87-106. | 2.2 | 115 |
| 28 | A review on reactivity and stability of heterogeneous metal catalysts for deoxygenation of bio-oil model compounds. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 1-34. | 2.9 | 132 |
| 29 | Pyrolysis of palm kernel shell using screw-assisted fluidization: effect of heating rate. <i>Brazilian Journal of Chemical Engineering</i> , 0, , 1. | 0.7 | 3 |