

Andrew Ng Kay Lup

List of Publications by Year in descending order

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29
papers

945
citations

567144

15
h-index

552653

26
g-index

29
all docs

29
docs citations

29
times ranked

888
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Investigations of adsorption behavior and anti-cancer activity of curcumin on pure and platinum-functionalized B ₁₂ N ₁₂ nanocages. <i>Journal of Molecular Liquids</i> , 2021, 334, 116516.	2.3	39
7	Penicillamine functionalized B ₁₂ N ₁₂ and B ₁₂ CaN ₁₂ 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
8	Investigations of adsorption behavior and anti-inflammatory activity of glycine functionalized Al ₁₂ N ₁₂ and Al ₁₂ ON ₁₁ fullerene-like cages. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119023.	2.0	23
9	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
10	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
11	Molecular Modeling and Simulation of glycine functionalized B ₁₂ N ₁₂ and B ₁₆ N ₁₆ nanoclusters as potential inhibitors of proinflammatory cytokines. <i>Journal of Molecular Liquids</i> , 2021, 343, 117494.	2.3	19
12	Electrostatic interaction assisted Ca-decorated C ₂₀ 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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Atmospheric hydrodeoxygenation of phenol as pyrolytic oil model compound for hydrocarbon production using Ag/TiO ₂ catalyst. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2293.	0.8	12
20	A comprehensive spectroscopic, solvatochromic and photochemical analysis of 5-hydroxyquinoline and 8-hydroxyquinoline mono-azo dyes. Journal of Molecular Structure, 2021, 1223, 129323.	1.8	11
21	Improved anti-inflammatory and anticancer properties of celecoxib loaded zinc oxide and magnesium oxide nanoclusters: A molecular docking and density functional theory simulation. Arabian Journal of Chemistry, 2022, 15, 103568.	2.3	11
22	Delayed volatiles release phenomenon at higher temperature in TGA via sample encapsulation technique. Fuel, 2018, 234, 422-429.	3.4	10
23	Acidity, oxophilicity and hydrogen sticking probability of supported metal catalysts for hydrodeoxygenation process. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012074.	0.3	7
24	Temperature-programmed reduction of silver(I) oxide using a titania-supported silver catalyst under a H ₂ atmosphere. Journal of the Chinese Chemical Society, 2019, 66, 1443-1455.	0.8	7
25	Kinetic Perspective on Methanol to Propylene Process via HZSM-5 Catalyst: Balancing between Reaction and Diffusion. Industrial & Engineering Chemistry Research, 2022, 61, 2055-2067.	1.8	6
26	Third-order nonlinear optical properties and thermal lens effect of 5-hydroxyquinoline azo dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113763.	2.0	5
27	Pyrolysis of palm kernel shell using screw-assisted fluidization: effect of heating rate. Brazilian Journal of Chemical Engineering, 0, , 1.	0.7	3
28	Green and Sustainable Battery Materials. , 2021, , 1-29.		0
29	Geometrical friction amplification model for interleaved systems. Physica Scripta, 2021, 96, 115202.	1.2	0