

Joazaizulfazli Jamalis

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

589
citations

623188

14
h-index

642321

23
g-index

32
all docs

32
docs citations

32
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	How to face COVID-19: proposed treatments based on remdesivir and hydroxychloroquine in the presence of zinc sulfate. Docking/DFT/POM structural analysis. Journal of Biomolecular Structure and Dynamics, 2022, 40, 9429-9442.	2.0	20
2	Novel thiophene Chalcones-Coumarin as acetylcholinesterase inhibitors: Design, synthesis, biological evaluation, molecular docking, ADMET prediction and molecular dynamics simulation. Bioorganic Chemistry, 2022, 119, 105572.	2.0	40
3	Synthesis and antimicrobial activity evaluation of some new 7-substituted quinolin-8-ol derivatives: POM analyses, docking, and identification of antibacterial pharmacophore sites. Chemical Data Collections, 2021, 31, 100593.	1.1	9
4	Search for new therapeutics against HIV-1 via dual inhibition of RNase H and integrase: current status and future challenges. Future Medicinal Chemistry, 2021, 13, 269-286.	1.1	4
5	Recent Update on the Anti-infective Potential of \hat{I}^2 -carboline Analogs. Mini-Reviews in Medicinal Chemistry, 2021, 21, 398-425.	1.1	8
6	Taguchi orthogonal design assisted immobilization of <i>Candida rugosa</i> lipase onto nanocellulose-silica reinforced polyethersulfone membrane: physicochemical characterization and operational stability. Cellulose, 2021, 28, 5669.	2.4	15
7	Structural properties of a novel heterocyclic chalcones derivative, (E)-3-(5-methyl furan-2-yl)-1-phenyl prop-2-en-1-one: A spectroscopic and DFT perception. Journal of Molecular Structure, 2021, 1244, 130973.	1.8	2
8	Non-covalent interactions and spectroscopic study of chalcone derivative 1-(4-chlorophenyl)-3-(5-methylfuran-2-yl) prop-2-en-1-one. Journal of Molecular Structure, 2020, 1201, 127145.	1.8	12
9	Effect of substituents on the inhibitive properties of newly synthesized 5-benzoyl-4-methyl-3,4,5-tetrahydro-2H-1,5-benzodiazepin-2-one derivatives against mild steel corrosion in an acidic medium. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 2070-2082.	0.8	1
10	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate. Carbohydrate Polymers, 2020, 245, 116549.	5.1	6
11	Structural characterization and Hirshfeld surface analysis of the pyrazoline 1-(3-(4-iodophenyl)-5-(3-methylthiophen-2-yl)-4,5-dihydro-1H-pyrazol-1-yl)ethan-1-one. Journal of Molecular Structure, 2020, 1210, 128044.	1.8	8
12	Druggable targets of SARS-CoV-2 and treatment opportunities for COVID-19. Bioorganic Chemistry, 2020, 104, 104269.	2.0	74
13	Coumarin-Oxadiazole Derivatives: Synthesis and Pharmacological Properties. Mini-Reviews in Organic Chemistry, 2020, 17, 780-794.	0.6	5
14	Psoralen Derivatives: Recent Advances of Synthetic Strategy and Pharmacological Properties. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2020, 19, 222-239.	1.1	15
15	Synthesis, spectral characterization (FT-IR, FT-Raman and NMR) and Quantum computational analysis of (E)-1-(4-Bromophenyl)-3-(5-bromothiophen-2-yl)prop-2-en-1-one. Chemical Data Collections, 2020, 28, 100415.	1.1	4
16	Effect of operative variables and kinetic study of butyl butyrate synthesis by <i>Candida rugosa</i> lipase activated by chitosan-reinforced nanocellulose derived from raw oil palm leaves. Enzyme and Microbial Technology, 2019, 130, 109367.	1.6	25
17	Synthesis, characterization, in silico and antifungal studies of thiazolidine analogues. Chemical Data Collections, 2019, 21, 100219.	1.1	3
18	Ternary Blended Chitosan/Chitin/ Fe_3O_4 Nanosupport for Lipase Activation and Stabilization. Arabian Journal for Science and Engineering, 2019, 44, 6327-6337.	1.7	8

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19	Molecular Docking and Recent Advances in the Design and Development of Cholinesterase Inhibitor Scaffolds: Coumarin Hybrids. <i>ChemistrySelect</i> , 2019, 4, 14140-14156.	0.7	10
20	Synthesis, molecular structure, Hirshfeld surface, spectral investigations and molecular docking study of 3-(5-bromo-2-thienyl)-1-(4-fluorophenyl)-3-acetyl-2-pyrazoline (2) by DFT method. <i>Journal of Molecular Structure</i> , 2018, 1164, 420-437.	1.8	15
21	Characterization, optimization and stability studies on <i>Candida rugosa</i> lipase supported on nanocellulose reinforced chitosan prepared from oil palm biomass. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 306-316.	3.6	41
22	Statistical optimization and operational stability of <i>Rhizomucor miehei</i> lipase supported on magnetic chitosan/chitin nanoparticles for synthesis of pentyl valerate. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 680-695.	3.6	26
23	Structural Characterization of a New Chalcone Compound Containing a Thiophene Moiety: (E)-3-(5-Bromothiophen-2-yl)-1-(2,5-Dichlorothiophen-3-yl)-2-Propen-1-One. <i>Journal of Structural Chemistry</i> , 2018, 59, 1440-1445.	0.3	9
24	Synthesis of geranyl propionate in a solvent-free medium using <i>Rhizomucor miehei</i> lipase covalently immobilized on chitosan-graphene oxide beads. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 199-210.	1.0	23
25	Synthesis, characterization, structural elucidation and Hirshfeld surface analysis of (E)-1-(2-(2,5-dichlorothiophen-3-yl)acryloyloxyethyl)pyrrolidine. <i>Journal of Molecular Structure</i> , 2018, 1164, 420-437.	1.1	10
26	Synthesis, characterization, antifungal activities and crystal structure of thiophene-based heterocyclic chalcones. <i>Chemical Data Collections</i> , 2017, 9-10, 104-113.	1.1	14
27	Synthesis and study of anti-HIV-1 RT activity of 5-benzoyl-4-methyl-1,3,4,5-tetrahydro-2H-1,5-benzodiazepin-2-one derivatives. <i>Bioorganic Chemistry</i> , 2017, 72, 74-79.	2.0	35
28	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate. <i>Carbohydrate Polymers</i> , 2017, 176, 281-292.	5.1	58
29	Synthesis, characterization, POM analysis and antifungal activity of novel heterocyclic chalcone derivatives containing acylated pyrazole. <i>Research on Chemical Intermediates</i> , 2017, 43, 1893-1907.	1.3	13
30	Synthesis, characterization, and cytotoxic activities of heterocyclic chalcones containing furan, and crystal structure of 1-(4-iodophenyl)-3-(5-methylfuran-2-yl)prop-2-en-1-one. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 631, 119-131.	0.4	10
31	Simple adsorption of <i>Candida rugosa</i> lipase onto multi-walled carbon nanotubes for sustainable production of the flavor ester geranyl propionate. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 99-108.	2.9	55
32	Silyl Migrations in Xylose Derivatives: Total Synthesis of a Marine Quinoline Alkaloid. <i>Organic Letters</i> , 2013, 15, 5734-5737.	2.4	17