Mohamed A Helal

List of Publications by Year
in descending order

29 papers	487 citations	623188 14 h-index	713013 21 g-index
29 all docs	29 docs citations	29 times ranked	761 citing authors

#	Article	IF	Citations
1	Molecular basis of the potential interaction of SARS-CoV-2 spike protein to CD147 in COVID-19 associated-lymphopenia. Journal of Biomolecular Structure and Dynamics, 2022, 40, 1109-1119.	2.0	62
2	Design, synthesis, and biological evaluation of novel thiazolidinediones as PPARÎ³/FFAR1 dual agonists. European Journal of Medicinal Chemistry, 2016, 109, 157-172.	2.6	49
3	Interaction of nanoparticles with biological macromolecules: a review of molecular docking studies. Nanotoxicology, 2021, 15, 66-95.	1.6	43
4	Selective kappa opioid antagonists for treatment of addiction, are we there yet?. European Journal of Medicinal Chemistry, 2017, 141, 632-647.	2.6	30
5	Design, Synthesis, and Development of Novel Guaianolide-Endoperoxides as Potential Antimalarial Agents. Journal of Medicinal Chemistry, 2010, 53, 7864-7868.	2.9	29
6	Synthesis, biological evaluation, and molecular docking investigation of benzhydrol- and indole-based dual PPAR-Î³/FFAR1 agonists. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1595-1602.	1.0	26
7	Novel pyrazoles and pyrazolo[1,2- a]pyridazines as selective COX-2 inhibitors; Ultrasound-assisted synthesis, biological evaluation, and DFT calculations. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2377-2383.	1.0	24
8	Development and validation of an HPLC-UV method for simultaneous determination of sildenafil and tramadol in biological fluids: Application to drug-drug interaction study. Journal of Pharmaceutical and Biomedical Analysis, 2019, 168, 201-208.	1.4	20
9	Design and Synthesis of Imidazole and Triazole Pyrazoles as Mycobacterium Tuberculosis CYP121A1 Inhibitors. ChemistryOpen, 2019, 8, 995-1011.	0.9	19
10	Design, synthesis, and enzyme kinetics of novel benzimidazole and quinoxaline derivatives as methionine synthase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 550-558.	1.4	16
11	Homology modeling and explicit membrane molecular dynamics simulation to delineate the mode of binding of thiazolidinediones into FFAR1 and the mechanism of receptor activation. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5330-5336.	1.0	16
12	Molecular modeling and spectroscopic study of quinoneâ€“protein adducts: insight into toxicity, selectivity, and reversibility. Toxicology Research, 2015, 4, 843-847.	0.9	16
13	Cytotoxic activity evaluation and molecular docking study of phenolic derivatives from Achillea fragrantissima (Forssk.) growing in Egypt. Medicinal Chemistry Research, 2017, 26, 2065-2073.	1.1	16
14	Deciphering the molecular basis of the kappa opioid receptor selectivity: A Molecular Dynamics study. Journal of Molecular Graphics and Modelling, 2021, 106, 107940.	1.3	15
15	Differential Binding of Latrunculins to G-Actin: A Molecular Dynamics Study. Journal of Chemical Information and Modeling, 2013, 53, 2369-2375.	2.5	14
16	Synthesis and biological evaluation of novel cYY analogues targeting Mycobacterium tuberculosis CYP121A1. Bioorganic and Medicinal Chemistry, 2019, 27, 1546-1561.	1.4	14
17	Combined receptor-based and ligand-based approach to delineate the mode of binding of guaianolideâ€“endoperoxides to PfATP6. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5410-5414.	1.0	11
18	Nifuroxazide Mitigates Angiogenesis in Ehlrichâ€™s Solid Carcinoma: Molecular Docking, Bioinformatic and Experimental Studies on Inhibition of Il-6/Jak2/Stat3 Signaling. Molecules, 2021, 26, 6858.	1.7	11

#	Article	IF	Citations
19	Anticancer Effects of New Ceramides Isolated from the Red Sea Red Algae HypneaÂmusciformis in a Model of Ehrlich Ascites Carcinoma: LC-HRMS Analysis Profile and Molecular Modeling. Marine Drugs, 2022, 20, 63.	2.2	11
20	New Insights into the Binding Mode of Melanin Concentrating Hormone Receptor-1 Antagonists: Homology Modeling and Explicit Membrane Molecular Dynamics Simulation Study. Journal of Chemical Information and Modeling, 2011, 51, 635-646.	2.5	10
21	Anti-inflammatory effect of methoxyflavonoids from Chiliadenus montanus (Jasonia Montana) growing in Egypt. Natural Product Research, 2020, 35, 1-5.	1.0	10
22	Discovery of tetrahydro-ÃŸ-carboline derivatives as a new class of phosphodiesterase 4 inhibitors. Medicinal Chemistry Research, 2017, 26, 3173-3187.	1.1	9
23	Zinc ternary complexes with gabapentin and neurotransmitters: Synthesis, spectral, thermal and molecular docking studies. Journal of Molecular Structure, 2020, 1199, 126951.	1.8	5
24	Discovery of 3â€(2â€aminoethyl)â€thiazolidineâ€2,4â€diones as a novel chemotype of sigmaâ€1 receptor ligands. Chemical Biology and Drug Design, 2022, 100, 25-40.	1.5	4
25	Identification of a new small molecule chemotype of Melanin Concentrating Hormone Receptor-1 antagonists using pharmacophore-based virtual screening. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126741.	1.0	3
26	Synthesis and Molecular Modelling Studies of New 1,3-Diaryl-5-Oxo-Proline Derivatives as Endothelin Receptor Ligands. Molecules, 2020, 25, 1851.	1.7	2
27	Discovery of tetrahydro-Î²-carboline- and indole-based derivatives as promising phosphodiesterase-4 inhibitors: Synthesis, biological evaluation, and molecular modeling studies. Journal of Molecular Structure, 2022, 1248, 131491.	1.8	1
28	The Role of Molecular Modeling and Bioinformatics in Treating a Pandemic Disease: The Case of COVID-19. The Open Covid Journal, 2021, 1, 216-234.	0.4	1
29	Development and Validation of a UPLCâ€“MS/MS Method for the Simultaneous Determination of Telmisartan and Metformine HCl in Human Plasma. Current Analytical Chemistry, 2015, 11, 130-137.	0.6	0