

Abdelsattar M E Omar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

287

citations

11

h-index

15

g-index

43

ext. papers

414

ext. citations

4.8

avg, IF

3.45

L-index

#	Paper	IF	Citations
38	Chaetomugilins and Chaetoviridins-Promising Natural Metabolites: Structures, Separation, Characterization, Biosynthesis, Bioactivities, Molecular Docking, and Molecular Dynamics.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8,	5.6	3
37	Reexamining Povarov Reaction Scope and Limitation in the Generation of HCV-NS4A Peptidomimetics. <i>Heteroatom Chemistry</i> , 2022 , 2022, 1-12	1.2	
36	Thiophenes-Naturally Occurring Plant Metabolites: Biological Activities and In Silico Evaluation of Their Potential as Cathepsin D Inhibitors.. <i>Plants</i> , 2022 , 11,	4.5	3
35	Molecular insight into 2-phosphoglycolate activation of the phosphatase activity of bisphosphoglycerate mutase.. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022 , 78, 472-482	5.5	1
34	Pairing 3D-Printing with Nanotechnology to Manage Metabolic Syndrome.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1783-1801	7.3	
33	Exploring the Activity of Fungal Phenalenone Derivatives as Potential CK2 Inhibitors Using Computational Methods. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8, 443	5.6	2
32	Insights on Cancer Cell Inhibition, Subcellular Activities, and Kinase Profile of Phenylacetamides Pending 1-Imidazol-5-One Variants.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 794325	5.6	
31	Modulating hemoglobin allostery for treatment of sickle cell disease: current progress and intellectual property. <i>Expert Opinion on Therapeutic Patents</i> , 2021 , 1-16	6.8	0
30	Phytoconstituents, Anti-Infective Activity of Lam., and Evaluation of its SARS-CoV-2 Inhibitory Potential. <i>Frontiers in Pharmacology</i> , 2021 , 12, 619373	5.6	3
29	Inborn errors in the vitamin B6 salvage enzymes associated with neonatal epileptic encephalopathy and other pathologies. <i>Biochimie</i> , 2021 , 183, 18-29	4.6	3
28	A single-step synthesis of 1,3,4,6-tetraaryl-5-aryliminopiperazin-2-one. <i>Journal of Heterocyclic Chemistry</i> , 2021 , 58, 442-449	1.9	1
27	Improving the Solubility and Oral Bioavailability of a Novel Aromatic Aldehyde Antisickling Agent (PP10) for the Treatment of Sickle Cell Disease. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
26	Discovery of novel quinoline-based analogues of combretastatin A-4 as tubulin polymerisation inhibitors with apoptosis inducing activity and potent anticancer effect. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 802-818	5.6	4
25	VZHE-039, a novel antisickling agent that prevents erythrocyte sickling under both hypoxic and anoxic conditions. <i>Scientific Reports</i> , 2020 , 10, 20277	4.9	4
24	Introducing of potent cytotoxic novel 2-(aroylamino)cinnamamide derivatives against colon cancer mediated by dual apoptotic signal activation and oxidative stress. <i>Bioorganic Chemistry</i> , 2020 , 101, 103953 ¹	5.1	2
23	Novel molecular discovery of promising amidine-based thiazole analogues as potent dual Matrix Metalloproteinase-2 and 9 inhibitors: Anticancer activity data with prominent cell cycle arrest and DNA fragmentation analysis effects. <i>Bioorganic Chemistry</i> , 2020 , 101, 103992	5.1	15
22	The rational design, synthesis, and antimicrobial investigation of 2-Amino-4-Methylthiazole analogues inhibitors of GlcN-6-P synthase. <i>Bioorganic Chemistry</i> , 2020 , 99, 103781	5.1	17

21	Antimicrobial screening and pharmacokinetic profiling of novel phenyl-[1,2,4]triazolo[4,3-a]quinoxaline analogues targeting DHFR and E. coli DNA gyrase B. <i>Bioorganic Chemistry</i> , 2020 , 96, 103656	5.1	9
20	1-Imidazole-2,5-Dicarboxamides as NS4A Peptidomimetics: Identification of a New Approach to Inhibit HCV-NS3 Protease. <i>Biomolecules</i> , 2020 , 10,	5.9	5
19	Targeted potent antimicrobial benzochromene-based analogues: Synthesis, computational studies, and inhibitory effect against 14β-Dehydrogenase and DNA Gyrase. <i>Bioorganic Chemistry</i> , 2020 , 105, 104387	5.1	5
18	Discovery and SAR of Novel Disubstituted Quinazolines as Dual PI3Kα/mTOR Inhibitors Targeting Breast Cancer. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 2156-2164	4.3	3
17	An Investigation of Structure-Activity Relationships of Azolylacryloyl Derivatives Yielded Potent and Long-Acting Hemoglobin Modulators for Reversing Erythrocyte Sickling. <i>Biomolecules</i> , 2020 , 10,	5.9	3
16	Potent Quinoline-Containing Combretastatin A-4 Analogues: Design, Synthesis, Antiproliferative, and Anti-Tubulin Activity. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	4
15	Novel scaffold hopping of potent benzothiazole and isatin analogues linked to 1,2,3-triazole fragment that mimic quinazoline epidermal growth factor receptor inhibitors: Synthesis, antitumor and mechanistic analyses. <i>Bioorganic Chemistry</i> , 2020 , 103, 104133	5.1	20
14	Synthetic bulky NS4A peptide variants bind to and inhibit HCV NS3 protease. <i>Journal of Advanced Research</i> , 2020 , 24, 251-259	13	2
13	Zein-α lipoic acid-loaded nanoparticles to enhance the oral bioavailability of dapoxetine: optimization and clinical pharmacokinetic evaluation. <i>International Journal of Nanomedicine</i> , 2019 , 14, 7461-7473	7.3	4
12	Structural modification of azolylacryloyl derivatives yields a novel class of covalent modifiers of hemoglobin as potential antisickling agents. <i>MedChemComm</i> , 2019 , 10, 1900-1906	5	2
11	Design, Synthesis and Antiproliferative Activities of Oxidative Stress Inducers Based on 2-Styryl-3,5-dihydro-4H-imidazol-4-one Scaffold. <i>Chemical and Pharmaceutical Bulletin</i> , 2018 , 66, 967-975 ^{1.9}		3
10	Design, synthesis, molecular docking of new lipophilic acetamide derivatives affording potential anticancer and antimicrobial agents. <i>Bioorganic Chemistry</i> , 2018 , 76, 332-342	5.1	28
9	Molecular Mimics of Classic P-Glycoprotein Inhibitors as Multidrug Resistance Suppressors and Their Synergistic Effect on Paclitaxel. <i>PLoS ONE</i> , 2017 , 12, e0168938	3.7	18
8	Synthesis, Modelling, and Anticonvulsant Studies of New Quinazolines Showing Three Highly Active Compounds with Low Toxicity and High Affinity to the GABA-A Receptor. <i>Molecules</i> , 2017 , 22,	4.8	14
7	Crystal structure of carbonmonoxy sickle hemoglobin in R-state conformation. <i>Journal of Structural Biology</i> , 2016 , 194, 446-50	3.4	19
6	Aryloxyalkanoic Acids as Non-Covalent Modifiers of the Allosteric Properties of Hemoglobin. <i>Molecules</i> , 2016 , 21,	4.8	2
5	Synthesis and screening of some new fluorinated quinazolinone-sulphonamide hybrids as anticancer agents. <i>Journal of Taibah University Medical Sciences</i> , 2015 , 10, 333-339	1.7	16
4	Design, Synthesis, and Investigation of Novel Nitric Oxide (NO)-Releasing Prodrugs as Drug Candidates for the Treatment of Ischemic Disorders: Insights into NO-Releasing Prodrug Biotransformation and Hemoglobin-NO Biochemistry. <i>Biochemistry</i> , 2015 , 54, 7178-92	3.2	7

3	Identification of a novel class of covalent modifiers of hemoglobin as potential antisickling agents. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 6353-70	3.9	12
2	Design, synthesis, and biological evaluation studies of novel quinazolinone derivatives as anticonvulsant agents. <i>Medicinal Chemistry Research</i> , 2013 , 22, 5823-5831	2.2	23
1	Design, synthesis and in vivo anti-inflammatory activities of 2,4-diaryl-5-4H-imidazolone derivatives. <i>Molecules</i> , 2012 , 17, 12262-75	4.8	27