

Ahmed A Elhenawy

List of Publications by Year in descending order

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32
papers

614
citations

516710

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33
docs citations

33
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	New carbazole-based organic dyes with different acceptors for dye-sensitized solar cells: Synthesis, characterization, dssc fabrications and density functional theory studies. <i>Journal of Molecular Structure</i> , 2021, 1225, 129297.	3.6	52
2	Understanding the adsorption performance of two glycine derivatives as novel and environmentally safe anti-corrosion agents for copper in chloride solutions: experimental, DFT, and MC studies. <i>RSC Advances</i> , 2019, 9, 42120-42131.	3.6	47
3	Synthesis and characterization of some arylhydrazone ligand and its metal complexes and their potential application as flame retardant and antimicrobial additives in polyurethane for surface coating. <i>Journal of Organometallic Chemistry</i> , 2015, 791, 99-106.	1.8	35
4	Experimental and theoretical investigation for 6-Morpholinosulfonylquinoxalin-2(1H)-one and its hydrazone derivate: Synthesis, characterization, tautomerization and antimicrobial evaluation. <i>Journal of Molecular Structure</i> , 2022, 1247, 131314.	3.6	34
5	Design, synthesis and molecular docking studies of thymol based 1,2,3-triazole hybrids as thymidylate synthase inhibitors and apoptosis inducers against breast cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 38, 116136.	3.0	33
6	Naproxen Based 1,3,4-Oxadiazole Derivatives as EGFR Inhibitors: Design, Synthesis, Anticancer, and Computational Studies. <i>Pharmaceuticals</i> , 2021, 14, 870.	3.8	32
7	<p>Synthesis, comparative docking, and pharmacological activity of naproxen amino acid derivatives as possible anti-inflammatory and analgesic agents</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1773-1790.	4.3	30
8	Synthesis and Biological Evaluation of 1,2,3-Triazole Tethered Thymol-1,3,4-Oxadiazole Derivatives as Anticancer and Antimicrobial Agents. <i>Pharmaceuticals</i> , 2021, 14, 866.	3.8	30
9	Synthesis, antiproliferative, docking and DFT studies of benzimidazole derivatives as EGFR inhibitors. <i>Journal of Molecular Structure</i> , 2022, 1253, 132265.	3.6	29
10	Synthesis, Cytotoxic Activity, Crystal Structure, DFT Studies and Molecular Docking of 3-Amino-1-(2,5-dichlorophenyl)-8-methoxy-1H-benzo[f]chromene-2-carbonitrile. <i>Crystals</i> , 2021, 11, 184.	2.2	27
11	Mycro-Synthesized Molluscicidal and Larvicidal Selenium Nanoparticles: A New Strategy to Control Biomphalaria alexandrina Snails and Larvae of Schistosoma mansoni with an In Silico Study on Induced Oxidative Stress. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 262.	3.5	27
12	Synthesis, molecular properties and comparative docking and QSAR of new 2-(7-hydroxy-2-oxo-2H-chromen-4-yl)acetic acid derivatives as possible anticancer agents. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 248-262.	3.9	26
13	Synthesis, characterization, biological activity, molecular modeling and docking studies of complexes 4-(4-hydroxy)-3-(2-pyrazine-2-carbonyl)hydrazonomethylphenyl-diazen-yl-benzenesulfonamide with manganese(II), cobalt(II), nickel(II), zinc(II) and cadmium(II). <i>Journal of Molecular Structure</i> , 2015, 1084, 352-367.	3.6	25
14	Therapeutic strategies for Covid-19 based on molecular docking and dynamic studies to the ACE-2 receptors, Furin, and viral spike proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 13291-13309.	3.5	24
15	Discovery Potent of Thiazolidinedione Derivatives as Antioxidant, $\hat{\alpha}$ -Amylase Inhibitor, and Antidiabetic Agent. <i>Biomedicines</i> , 2022, 10, 24.	3.2	20
16	Synthesis of 1,4-dihydropyrano[2,3-c]pyrazole derivatives and exploring molecular and cytotoxic properties based on DFT and molecular docking studies. <i>Journal of Molecular Structure</i> , 2022, 1249, 131555.	3.6	18
17	Synthesis, Biological Evaluation, and Molecular Docking of New Benzimidazole-1,2,3-Triazole Hybrids as Antibacterial and Antitumor Agents. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 3380-3391.	2.6	16
18	Synthesis and characterization of MnII and CoII complexes with poly (vinyl alcohol-nicotinic acid) for photocatalytic degradation of Indigo carmine dye. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108360.	3.9	12

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19	Naproxenylamino acid derivatives: Design, synthesis, docking, QSAR and anti-inflammatory and analgesic activity. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 109024.	5.6	11
20	N ¹ -1, 3-Benzenedicarbonyl-Bis-(Amino Acid) and Dipeptide Candidates: Synthesis, Cytotoxic, Antimicrobial and Molecular Docking Investigation. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 1315-1332.	4.3	11
21	Preparation, Antimicrobial Activity and Docking Study of Vanadium Mixed Ligand Complexes Containing 4-Amino-5-hydrazinyl-4H-1,2,4-triazole-3-thiol and Aminophenol Derivatives. <i>Processes</i> , 2021, 9, 1008.	2.8	11
22	Investigation of the Anticancer Effect of β -Aminophosphonates and Arylidine Derivatives of 3-Acetyl-1-aminoquinolin-2(1H)-one on the DMBA Model of Breast Cancer in Albino Rats with In Silico Prediction of Their Thymidylate Synthase Inhibitory Effect. <i>Molecules</i> , 2022, 27, 756.	3.8	10
23	DFT, characterization and investigation of vibrational spectroscopy of 4-(4-hydroxy)-3-(2-pyrazine-2-carbonyl)hydrazonomethylphenyl-diazen-yl-benzenesulfonamide and its copper(II) complex. <i>Journal of Molecular Structure</i> , 2014, 1067, 94-103.	3.6	9
24	Discovery of novel rigid analogs of 2-naphthol with potent anticancer activity through multi-target topoisomerase I & II and tyrosine kinase receptor EGFR & VEGFR-2 inhibition mechanism. <i>Chemico-Biological Interactions</i> , 2022, 355, 109838.	4.0	9
25	Novel coumarin amino acid derivatives: Design, synthesis, docking, absorption, distribution, metabolism, elimination, toxicity (ADMET), quantitative structure-activity relationship (QSAR) and anticancer studies. <i>Materials Express</i> , 2020, 10, 1375-1394.	0.5	8
26	Theoretical and experimental evaluation of the anticorrosion properties of new Coumarin's derivatives. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 6937-6948.	6.4	8
27	Synthesis, cytotoxic activity, crystal structure, DFT, molecular docking study of some heterocyclic compounds incorporating benzo[f]chromene moieties. <i>Journal of Molecular Structure</i> , 2022, 1260, 132829.	3.6	5
28	The Crystal Structure of 2-Amino-4-(2,3-Dichlorophenyl)-6-Methoxy-4H-Benzo[h]chromene-3-Carbonitrile: Antitumor and Tyrosine Kinase Receptor Inhibition Mechanism Studies. <i>Crystals</i> , 2022, 12, 737.	2.2	5
29	The Crystal Structure of 3-Amino-1-(4-Chlorophenyl)-9-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile: Antimicrobial Activity and Docking Studies. <i>Crystals</i> , 2022, 12, 982.	2.2	5
30	Extensive Study of DFT-Quantum Calculations Based QSAR Modeling of Fused 1,2,4-Triazine Derivatives Revealed Potent CYP1A1 Inhibitors. <i>Journal of Computational Biophysics and Chemistry</i> , 2022, 21, 741-758.	1.7	3
31	Structural and Spectroscopic Characteristics of Ni(II) and Cu(II) Complexes with Poly (Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 2021, 11, 1244.	2.2	2
32	Glucosinolates with their Hydrolysis Products from Two Cruciferous Plants with Study of Antidiabetic Activity Based on Molecular Docking. <i>Biomedical and Pharmacology Journal</i> , 2021, 14, 2047-2062.	0.5	0