Ahmed M El Kerdawy

List of Publications by Year
in descending order

47	1,149	394286 19	414303 32
papers	citations	h-index	g-index

48	48	48	1322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of the dual-tail approach for the design and synthesis of novel Thiopyrimidineâ€“Benzenesulfonamide hybrids as selective carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2022, 228, 114004.	2.6	20
2	Novel benzothiazole-based dual VEGFR-2/EGFR inhibitors targeting breast and liver cancers: Synthesis, cytotoxic activity, QSAR and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2022, 58, 128529.	1.0	22
3	Design and synthesis of novel quinazolinoneâ€based fibrates as PPARÎ± agonists with antihyperlipidemic activity. Archiv Der Pharmazie, 2022, 355, e2100399.	2.1	6
4	Identification of 3-(piperazinylmethyl)benzofuran derivatives as novel type II CDK2 inhibitors: design, synthesis, biological evaluation, and in silico insights. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1227-1240.	2.5	15
5	Design, synthesis and anticancer activity of novel 2-arylbenzimidazole/2-thiopyrimidines and 2-thioquinazolin-4(3H)-ones conjugates as targeted RAF and VEGFR-2 kinases inhibitors. Bioorganic Chemistry, 2022, 126, 105883.	2.0	13
6	Novel oxindole/benzofuran hybrids as potential dual CDK2/GSK-3Î² inhibitors targeting breast cancer: design, synthesis, biological evaluation, and in silico studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 271-286.	2.5	52
7	Similarity-based machine learning framework for predicting safety signals of adverse drugâ€“drug interactions. Informatics in Medicine Unlocked, 2021, 26, 100699.	1.9	13
8	Design, synthesis and in silico insights of new 7,8-disubstituted-1,3-dimethyl-1H-purine-2,6(3H,7H)-dione derivatives with potent anticancer and multi-kinase inhibitory activities. Bioorganic Chemistry, 2021, 107, 104569.	2.0	18
9	Synthesis, structural characterization, density functional theory calculations, and antimicrobial, anticancer, and antimetastatic properties of nanosized heteroleptic complexes of cocaine/TMEDA with dâ€block metal ions. Applied Organometallic Chemistry, 2021, 35, e6441.	1.7	9
10	Design and synthesis of novel 4-fluorobenzamide-based derivatives as promising anti-inflammatory and analgesic agents with an enhanced gastric tolerability and COX-inhibitory activity. Bioorganic Chemistry, 2021, 115, 105253.	2.0	6
11	Discovery of 4-benzyloxy and 4-(2-phenylethoxy) chalcone fibrate hybrids as novel PPARÎ± agonists with anti-hyperlipidemic and antioxidant activities: Design, synthesis and in vitro/in vivo biological evaluation. Bioorganic Chemistry, 2021, 115, 105170.	2.0	12
12	Signal Detection in Pharmacovigilance: A Review of Informatics-driven Approaches for the Discovery of Drug-Drug Interaction Signals in Different Data Sources. Artificial Intelligence in the Life Sciences, 2021, 1, 100005.	1.6	15
13	Recombinant human growth hormone improves the immune status of rats with septic encephalopathy: The role of VEGFR2 in the prevalence of endoplasmic reticulum stress repair module. International Immunopharmacology, 2021, 101, 108370.	1.7	6
14	Heteroleptic complexes of cocaine/TMEDA with some f block metals: Synthesis, DFT studies, spectral, thermal, cytotoxicity and antimetastatic properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117938.	2.0	14
15	Synthesis, Biological Evaluation and In Silico Studies of Certain Oxindoleâ€“Indole Conjugates as Anticancer CDK Inhibitors. Molecules, 2020, 25, 2031.	1.7	35
16	Design and Synthesis of some new 2,4,6-trisubstituted quinazoline EGFR inhibitors as targeted anticancer agents. Bioorganic Chemistry, 2020, 98, 103726.	2.0	46
17	Some 1,3,5-trisubstituted pyrazoline derivatives targeting breast cancer: Design, synthesis, cytotoxic activity, EGFR inhibition and molecular docking. Bioorganic Chemistry, 2020, 99, 103780.	2.0	22
18	Targeting Receptor Tyrosine Kinase VEGFR-2 in Hepatocellular Cancer: Rational Design, Synthesis and Biological Evaluation of 1,2-Disubstituted Benzimidazoles. Molecules, 2020, 25, 770.	1.7	31

#	Article	IF	Citations
19	Design, synthesis and biological evaluation of novel pyrazole sulfonamide derivatives as dual COX-2/5-LOX inhibitors. European Journal of Medicinal Chemistry, 2020, 189, 112066.	2.6	51
20	New thiopyrimidine-benzenesulfonamide conjugates as selective carbonic anhydrase II inhibitors: synthesis, in vitro biological evaluation, and molecular docking studies. Bioorganic and Medicinal Chemistry, 2020, 28, 115329.	1.4	18
21	Sulfonamide-based 4-anilinoquinoline derivatives as novel dual Aurora kinase (AURKA/B) inhibitors: Synthesis, biological evaluation and in silico insights. Bioorganic and Medicinal Chemistry, 2020, 28, 115525.	1.4	28
22	Modulation of endoplasmic reticulum stress response in gut-origin encephalopathy: Impact of vascular endothelial growth factor receptor-2 manipulation. Life Sciences, 2020, 252, 117654.	2.0	11
23	Structural characterization, thermal, DFT, cytotoxicity, and antimetastatic properties of cocaine complexes with La(III), Er(III), and Yb(III). Research on Chemical Intermediates, 2020, 46, 3193-3216.	1.3	15
24	Design, synthesis, and molecular docking of novel 2â€arylbenzothiazole multiangiokinase inhibitors targeting breast cancer. Archiv Der Pharmazie, 2020, 353, e1900340.	2.1	24
25	Phytochemical Profile and Cytotoxic Activity of Selected Organs of Sambucus nigra L. via Enzyme Assay and Molecular Docking Study. Egyptian Journal of Chemistry, 2020, .	0.1	3
26	Novel 2-arylbenzothiazole DNA gyrase inhibitors: Synthesis, antimicrobial evaluation, QSAR and molecular docking studies. Bioorganic Chemistry, 2019, 93, 103373.	2.0	20
27	New thiazol-hydrazono-coumarin hybrids targeting human cervical cancer cells: Synthesis, CDK2 inhibition, QSAR and molecular docking studies. Bioorganic Chemistry, 2019, 86, 80-96.	2.0	59
28	Receptor-based pharmacophore modeling, virtual screening, and molecular docking studies for the discovery of novel GSK-3Î² inhibitors. Journal of Molecular Modeling, 2019, 25, 171.	0.8	22
29	Novel potent substituted 4-amino-2-thiopyrimidines as dual VEGFR-2 and BRAF kinase inhibitors. European Journal of Medicinal Chemistry, 2019, 179, 707-722.	2.6	36
30	Type IIA - Type IIB protein tyrosine kinase inhibitors hybridization as an efficient approach for potent multikinase inhibitor development: Design, synthesis, anti-proliferative activity, multikinase inhibitory activity and molecular modeling of novel indolinone-based ureides and amides. European Journal of Medicinal Chemistry, 2019, 163, 37-53.	2.6	56
31	Structural Characterization, Thermal Analyses, Antiproliferative and Antimicrobial Activity of Cocaine Complexes with Mn(II) and Cu(II). Egyptian Journal of Chemistry, 2019, .	0.1	2
32	In vitro MAO-B Inhibitory Effect of Citrus trifoliata L. via Enzyme Assay and Molecular Docking Study. Egyptian Journal of Chemistry, 2019, .	0.1	0
33	Design, synthesis, and molecular docking of novel indole scaffoldâ€based VEGFRâ€2 inhibitors as targeted anticancer agents. Archiv Der Pharmazie, 2018, 351, 1700299.	2.1	19
34	QSRR modeling for the chromatographic retention behavior of some Î²-lactam antibiotics using forward and firefly variable selection algorithms coupled with multiple linear regression. Journal of Chromatography A, 2018, 1549, 51-62.	1.8	20
35	Identification of the Beer Component Hordenine as Food-Derived Dopamine D2 Receptor Agonist by Virtual Screening a 3D Compound Database. Scientific Reports, 2017, 7, 44201.	1.6	27
36	Synthesis and molecular docking of new imidazoquinazolinones as analgesic agents and selective COX-2 inhibitors. Future Medicinal Chemistry, 2017, 9, 553-578.	1.1	17

#	Article	IF	Citations
37	Design, synthesis, molecular docking and cytotoxic evaluation of novel 2-furybenzimidazoles as VEGFR-2 inhibitors. European Journal of Medicinal Chemistry, 2017, 136, 315-329.	2.6	79
38	Anticancer activities, molecular docking and structureâ€“activity relationship of novel synthesized 4H-chromene, and 5H-chromeno[2,3-d]pyrimidine candidates. Medicinal Chemistry Research, 2017, 26, 2624-2638.	1.1	34
39	Increasing the binding affinity of VEGFR-2 inhibitors by extending their hydrophobic interaction with the active site: Design, synthesis and biological evaluation of 1-substituted-4-(4-methoxybenzyl)phthalazine derivatives. European Journal of Medicinal Chemistry, 2016, 113, 50-62.	2.6	73
40	Quantum-mechanics-based molecular interaction fields for 3D-QSAR. Journal of Cheminformatics, 2014, 6, O10.	2.8	3
41	Economical and Accurate Protocol for Calculating Hydrogen-Bond-Acceptor Strengths. Journal of Chemical Information and Modeling, 2013, 53, 3262-3272.	2.5	14
42	Directional Noncovalent Interactions: Repulsion and Dispersion. Journal of Chemical Theory and Computation, 2013, 9, 2264-2275.	2.3	64
43	Quantum Mechanics-Based Properties for 3D-QSAR. Journal of Chemical Information and Modeling, 2013, 53, 1486-1502.	2.5	24
44	Predicting the Sites and Energies of Noncovalent Intermolecular Interactions Using Local Properties. Journal of Chemical Information and Modeling, 2012, 52, 1061-1071.	2.5	14
45	Conformation-Dependent QSPR Models: logP_{OW}. Journal of Chemical Information and Modeling, 2011, 51, 2408-2416.	2.5	11
46	Synthesis and Anticonvulsant Activity of Certain Substituted Furochromone, Benzofuran and Flavone Derivatives. Chemical and Pharmaceutical Bulletin, 2010, 58, 1148-1156.	0.6	37
47	Novel 2-(5-Aryl-4,5-Dihydropyrazol-1-yl)thiazol-4-One as EGFR Inhibitors: Synthesis, Biological Assessment and Molecular Docking Insights. Drug Design, Development and Therapy, 0, Volume 16, 1457-1471.	2.0	13