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	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
2	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
3	Directional Noncovalent Interactions: Repulsion and Dispersion. Journal of Chemical Theory and Computation, 2013, 9, 2264-2275.	2.3	64
4	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
5	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
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	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
8	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
9	Synthesis and Anticonvulsant Activity of Certain Substituted Furochromone, Benzofuran and Flavone Derivatives. Chemical and Pharmaceutical Bulletin, 2010, 58, 1148-1156.	0.6	37
10	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
11	Synthesis, Biological Evaluation and In Silico Studies of Certain Oxindoleâ€“Indole Conjugates as Anticancer CDK Inhibitors. Molecules, 2020, 25, 2031.	1.7	35
12	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
13	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
14	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
15	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
16	Quantum Mechanics-Based Properties for 3D-QSAR. Journal of Chemical Information and Modeling, 2013, 53, 1486-1502.	2.5	24
17	Design, synthesis, and molecular docking of novel 2â€arylbenzothiazole multiangiokinase inhibitors targeting breast cancer. Archiv Der Pharmazie, 2020, 353, e1900340.	2.1	24
18	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

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19	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
20	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
21	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
22	Novel 2-arylbenzothiazole DNA gyrase inhibitors: Synthesis, antimicrobial evaluation, QSAR and molecular docking studies. Bioorganic Chemistry, 2019, 93, 103373.	2.0	20
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	Economical and Accurate Protocol for Calculating Hydrogen-Bond-Acceptor Strengths. Journal of Chemical Information and Modeling, 2013, 53, 3262-3272.	2.5	14
33	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
34	Similarity-based machine learning framework for predicting safety signals of adverse drugâ€“drug interactions. Informatics in Medicine Unlocked, 2021, 26, 100699.	1.9	13
35	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
36	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

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37	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
38	Conformation-Dependent QSPR Models: logP_{OW}. Journal of Chemical Information and Modeling, 2011, 51, 2408-2416.	2.5	11
39	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
40	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
41	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
42	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
43	Design and synthesis of novel quinazolinoneâ€based fibrates as PPARÎ± agonists with antihyperlipidemic activity. Archiv Der Pharmazie, 2022, 355, e2100399.	2.1	6
44	Quantum-mechanics-based molecular interaction fields for 3D-QSAR. Journal of Cheminformatics, 2014, 6, O10.	2.8	3
45	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
46	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
47	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