Nawaf A Alsaif

List of Publications by Year
in descending order

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38 papers	976 citations	393982 19 h-index	454577 30 g-index
38 all docs	38 docs citations	38 times ranked	585 citing authors

#	Article	IF	Citations
1	Multi-spectroscopic investigation, molecular docking and molecular dynamic simulation of competitive interactions between flavonoids (quercetin and rutin) and sorafenib for binding to human serum albumin. International Journal of Biological Macromolecules, 2020, 165, 2451-2461.	3.6	78
2	Design, synthesis, docking, ADMET studies, and anticancer evaluation of new 3-methylquinoxaline derivatives as VEGFR-2 inhibitors and apoptosis inducers. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1760-1782.	2.5	63
3	New bis([1,2,4]triazolo)[4,3-a:3â€²,4â€²-c]quinoxaline derivatives as VEGFR-2 inhibitors and apoptosis inducers: Design, synthesis, in silico studies, and anticancer evaluation. Bioorganic Chemistry, 2021, 112, 104949.	2.0	63
4	New quinoxaline derivatives as VEGFR-2 inhibitors with anticancer and apoptotic activity: Design, molecular modeling, and synthesis. Bioorganic Chemistry, 2021, 110, 104807.	2.0	62
5	New quinoxaline-based VEGFR-2 inhibitors: design, synthesis, and antiproliferative evaluation with in silico docking, ADMET, toxicity, and DFT studies. RSC Advances, 2021, 11, 30315-30328.	1.7	49
6	A potential anticancer dihydropyrimidine derivative and its protein binding mechanism by multispectroscopic, molecular docking and molecular dynamic simulation along with its in-silico toxicity and metabolic profile. European Journal of Pharmaceutical Sciences, 2021, 158, 105686.	1.9	47
7	Design and discovery of new antiproliferative 1,2,4-triazin-3(2H)-ones as tubulin polymerization inhibitors targeting colchicine binding site. Bioorganic Chemistry, 2021, 112, 104965.	2.0	45
8	Discovery of new VEGFR-2 inhibitors based on bis([1, 2,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (4]triazolo)[4,3-a:3',4'-c inducers. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1093-1114.	2.5	44
9	A Comprehensive Investigation of Interactions between Antipsychotic Drug Quetiapine and Human Serum Albumin Using Multi-Spectroscopic, Biochemical, and Molecular Modeling Approaches. Molecules, 2022, 27, 2589.	1.7	38
10	Interaction Characterization of a Tyrosine Kinase Inhibitor Erlotinib with a Model Transport Protein in the Presence of Quercetin: A Drugâ€“Protein and Drugâ€“Drug Interaction Investigation Using Multi-Spectroscopic and Computational Approaches. Molecules, 2022, 27, 1265.	1.7	37
11	Synthesis of benzensulfonamides linked to quinazoline scaffolds as novel carbonic anhydrase inhibitors. Bioorganic Chemistry, 2019, 87, 78-90.	2.0	36
12	Discovery of new 3-methylquinoxalines as potential anti-cancer agents and apoptosis inducers targeting VEGFR-2: design, synthesis, and in silico studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1732-1750.	2.5	34
13	Mechanistic interaction study of 5,6-Dichloro-2-[2-(pyridin-2-yl)ethyl]isoindoline-1,3-dione with bovine serum albumin by spectroscopic and molecular docking approaches. Saudi Pharmaceutical Journal, 2019, 27, 341-347.	1.2	33
14	Design, synthesis, and carbonic anhydrase inhibition activity of benzenesulfonamide-linked novel pyrazoline derivatives. Bioorganic Chemistry, 2019, 87, 425-431.	2.0	31
15	Discovery of new quinoxaline-based derivatives as anticancer agents and potent VEGFR-2 inhibitors: Design, synthesis, and in silico study. Journal of Molecular Structure, 2022, 1253, 132220.	1.8	27
16	Immunoinformatics-guided design of a multi-epitope vaccine based on the structural proteins of severe acute respiratory syndrome coronavirus 2. RSC Advances, 2021, 11, 18103-18121.	1.7	25
17	Identification of new [1,2,4]triazolo[4,3-a]quinoxalines as potent VEGFR-2 tyrosine kinase inhibitors: Design, synthesis, anticancer evaluation, and in silico studies. Bioorganic and Medicinal Chemistry, 2021, 46, 116384.	1.4	21
18	Synthesis, characterization, molecular modeling against EGFR target and ADME/T analysis of novel purine derivatives of sulfonamides. Journal of Molecular Structure, 2022, 1257, 132600.	1.8	21

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19	S-substituted 2-mercaptoquinazolin-4(3H)-one and 4-ethylbenzensulfonamides act as potent and selective human carbonic anhydrase IX and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 733-743.	2.5	20
20	Synthesis, anti-inflammatory, cytotoxic, and COX-1/2 inhibitory activities of cyclic imides bearing 3-benzenesulfonamide, oxime, and Î²-phenylalanine scaffolds: a molecular docking study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 610-621.	2.5	16
21	Synthesis, potential antitumor activity, cell cycle analysis, and multitarget mechanisms of novel hydrazones incorporating a 4-methylsulfonylbenzene scaffold: a molecular docking study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1520-1538.	2.5	16
22	A New CDK2 Inhibitor with 3-Hydrazonoindolin-2-One Scaffold Endowed with Anti-Breast Cancer Activity: Design, Synthesis, Biological Evaluation, and In Silico Insights. Molecules, 2021, 26, 412.	1.7	16
23	Synthesis and comparative carbonic anhydrase inhibition of new Schiffâ€™s bases incorporating benzenesulfonamide, methanesulfonamide, and methylsulfonylbenzene scaffolds. Bioorganic Chemistry, 2019, 92, 103225.	2.0	15
24	Antitumor activity, multitarget mechanisms, and molecular docking studies of quinazoline derivatives based on a benzenesulfonamide scaffold: Cell cycle analysis. Bioorganic Chemistry, 2020, 104, 104345.	2.0	15
25	Novel sulindac derivatives: synthesis, characterisation, evaluation of antioxidant, analgesic, anti-inflammatory, ulcerogenic and COX-2 inhibition activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 921-934.	2.5	15
26	New anthranilic acid-incorporating N-benzenesulfonamidophthalimides as potent inhibitors of carbonic anhydrases I, II, IX, and XII: Synthesis, inÂvitro testing, and in silico assessment. European Journal of Medicinal Chemistry, 2019, 181, 111573.	2.6	14
27	Design, synthesis, antitumor, and VEGFR-2 inhibition activities of novel 4-anilino-2-vinyl-quinazolines: Molecular modeling studies. Bioorganic Chemistry, 2022, 122, 105710.	2.0	13
28	Exploring structure-activity relationship of S-substituted 2-mercaptoquinazolin-4(3H)-one including 4-ethylbenzenesulfonamides as human carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 598-609.	2.5	12
29	Network Pharmacology- and Molecular Docking-Based Identification of Potential Phytocompounds from Argyreia capitiformis in the Treatment of Inflammation. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-22.	0.5	10
30	Synthesis, antitumor activity, and molecular docking study of 2-cyclopentyloxyanisole derivatives: mechanistic study of enzyme inhibition. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 744-758.	2.5	9
31	Deeper Insights on Cnesmone javanica Blume Leaves Extract: Chemical Profiles, Biological Attributes, Network Pharmacology and Molecular Docking. Plants, 2021, 10, 728.	1.6	9
32	Targeting VEGFRâ€2 by new quinoxaline derivatives: Design, synthesis, antiproliferative assay, apoptosis induction, and in silico studies. Archiv Der Pharmazie, 2021, , e2100359.	2.1	9
33	Design, synthesis and molecular docking of new [1,2,4] triazolo[4,3-a]quinoxaline derivatives as anticancer agents targeting VEGFR-2 kinase. Molecular Diversity, 2022, 26, 1915-1932.	2.1	8
34	A validated LC-MS/MS analytical method for the quantification of pemigatinib: metabolic stability evaluation in human liver microsomes. RSC Advances, 2022, 12, 20387-20394.	1.7	8
35	Charge-Transfer Complex of Linifanib with 2,3-dichloro-3,5-dicyano-1,4-benzoquinone: Synthesis, Spectroscopic Characterization, Computational Molecular Modelling and Application in the Development of Novel 96-microwell Spectrophotometric Assay. Drug Design, Development and Therapy, 2021, Volume 15, 1167-1180.	2.0	7
36	Darunavir: A comprehensive profile. Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 1-50.	3.5	6

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37	Design, synthesis, and analysis of antiproliferative and apoptosis-inducing activities of nitrile derivatives containing a benzofuran scaffold: EGFR inhibition assay and molecular modelling study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1487-1498.	2.5	4
38	Validated Microwell-Based Spectrofluorimetric Method for Quantification of Ravidasvir (New Anti-Chronic Hepatitis C Virus-GT4) in Rat Plasma and Its Application to Pharmacokinetic Study . Drug Design, Development and Therapy, 2020, Volume 14, 4377-4385.	2.0	0