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List of Publications by Year
in descending order

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44 papers	1,009 citations	393982 19 h-index	454577 30 g-index
45 all docs	45 docs citations	45 times ranked	800 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	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
6	Amelioration of sepsis-induced acute kidney injury through inhibition of inflammatory cytokines and oxidative stress in dendritic cells and neutrophils respectively in mice: Role of spleen tyrosine kinase signaling. Biochimie, 2019, 158, 102-110.	1.3	46
7	Discovery of new VEGFR-2 inhibitors based on bis([1, 2,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (4]triazolo)[4,3-a</> inducers. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1093-1114.	2.5	44
8	Synthesis, cytotoxic evaluation, and molecular docking studies of novel quinazoline derivatives with benzenesulfonamide and anilide tails: Dual inhibitors of EGFR/HER2. Bioorganic Chemistry, 2020, 95, 103461.	2.0	41
9	Novel thiophene Chalcones-Coumarin as acetylcholinesterase inhibitors: Design, synthesis, biological evaluation, molecular docking, ADMET prediction and molecular dynamics simulation. Bioorganic Chemistry, 2022, 119, 105572.	2.0	40
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	CXC chemokine receptor 3 antagonist AMG487 shows potent anti-arthritic effects on collagen-induced arthritis by modifying B cell inflammatory profile. Immunology Letters, 2020, 225, 74-81.	1.1	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	Synthesis, anticancer, apoptosis-inducing activities and EGFR and VEGFR2 assay mechanistic studies of 5,5-diphenylimidazolidine-2,4-dione derivatives: Molecular docking studies. Saudi Pharmaceutical Journal, 2019, 27, 682-693.	1.2	33
15	Design, synthesis, and carbonic anhydrase inhibition activity of benzenesulfonamide-linked novel pyrazoline derivatives. Bioorganic Chemistry, 2019, 87, 425-431.	2.0	31
16	Protective effect of diosmin against doxorubicin-induced nephrotoxicity. Saudi Journal of Biological Sciences, 2021, 28, 4375-4383.	1.8	29
17	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
18	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

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19	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
20	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
21	Liraglutide attenuates gefitinib-induced cardiotoxicity and promotes cardioprotection through the regulation of MAPK/NF-ÎºB signaling pathways. Saudi Pharmaceutical Journal, 2020, 28, 509-518.	1.2	17
22	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
23	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
24	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
25	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
26	Involvement of CD45 cells in the development of autism spectrum disorder through dysregulation of granulocyte-macrophage colony-stimulating factor, key inflammatory cytokines, and transcription factors. International Immunopharmacology, 2020, 83, 106466.	1.7	15
27	Cell proliferation and anti-oxidant effects of oxytocin and oxytocin receptors: role of extracellular signal-regulating kinase in astrocyte-like cells. Endocrine Regulations, 2020, 54, 172-182.	0.5	15
28	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
29	Geraniol Ameliorates Doxorubicin-Mediated Kidney Injury through Alteration of Antioxidant Status, Inflammation, and Apoptosis: Potential Roles of NF-ÎºB and Nrf2/Ho-1. Nutrients, 2022, 14, 1620.	1.7	12
30	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
31	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
32	Deeper Insights on Cnesmone javanica Blume Leaves Extract: Chemical Profiles, Biological Attributes, Network Pharmacology and Molecular Docking. Plants, 2021, 10, 728.	1.6	9
33	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
34	Dysregulated Nrf2 signaling in response to di(2-ethylhexyl) phthalate in neutrophils of children with autism. International Immunopharmacology, 2022, 106, 108619.	1.7	9
35	Hirshfeld Surface, Molecular Docking Study, Spectroscopic Characterization and NLO Profile of 2â€Methoxyâ€4,6â€Diphenylnicotinonitrile. ChemistrySelect, 2019, 4, 9857-9870.	0.7	8
36	Elucidation of the Molecular Mechanisms Underlying Sorafenib-Induced Hepatotoxicity. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	1.9	8

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37	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
38	Validated liquid chromatography tandem mass spectrometry for simultaneous quantification of foretinib and lapatinib, and application to metabolic stability investigation. RSC Advances, 2019, 9, 19325-19332.	1.7	7
39	Development and validation of GCâ€“MS method for determination of methcathinone and its main metabolite in mice plasma and brain tissue after SPE: Pharmacokinetic and distribution study. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113798.	1.4	6
40	Role of carnitine in regulation of blood pressure (MAP/SBP) and gene expression of cardiac hypertrophy markers (Î±/Î²â€MHC) during insulinâ€induced hypoglycaemia: Role of oxidative stress. Clinical and Experimental Pharmacology and Physiology, 2021, 48, 478-489.	0.9	4
41	Protective Effect of Oxytocin Against Apoptosis and Oxidative Stress: Role of Extracellular Signal Regulating Kinases. FASEB Journal, 2019, 33, 736.3.	0.2	3
42	Novel spectrofluorimetric determination of brigatinib in bulk powder and human urine samples via ion-pair complex formation using eosin Y. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119210.	2.0	2
43	Structural, Spectroscopic, Electronic and Molecular Docking Studies on (11R,12â€...S)â€16â€Aminotetracyclo[6.6.2.0^{2,7}.0^{9,14}]hexadecaâ€2(7),3,5,9(14),10,12â€he ChemistrySelect, 2019, 4, 825-837.	1.5	0
44	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