Amany Belal

List of Publications by Year in descending order

45 papers	1,368 citations	279798 23 h-index	345221 36 g-index
47 all docs	47 docs citations	47 times ranked	1029 citing authors

#	Article	IF	Citations
1	Design, synthesis, molecular modeling, in vivo studies and anticancer evaluation of quinazolin-4(3H)-one derivatives as potential VEGFR-2 inhibitors and apoptosis inducers. Bioorganic Chemistry, 2020, 94, 103422.	4.1	109
2	Design, synthesis, molecular modeling and anti-proliferative evaluation of novel quinoxaline derivatives as potential DNA intercalators and topoisomerase II inhibitors. European Journal of Medicinal Chemistry, 2018, 155, 117-134.	5.5	89
3	Discovery of new pyrimidine-5-carbonitrile derivatives as anticancer agents targeting EGFR^{WT}and EGFR^{T790M}. Organic and Biomolecular Chemistry, 2020, 18, 7608-7634.	2.8	83
4	Design, synthesis, antiproliferative activity, molecular docking and cell cycle analysis of some novel (morpholinosulfonyl) isatins with potential EGFR inhibitory activity. European Journal of Medicinal Chemistry, 2018, 156, 918-932.	5.5	79
5	Design, synthesis, molecular docking and biological activity evaluation of some novel indole derivatives as potent anticancer active agents and apoptosis inducers. Bioorganic Chemistry, 2019, 85, 399-412.	4.1	78
6	Design, molecular docking, in vitro, and in vivo studies of new quinazolin-4(3H)-ones as VEGFR-2 inhibitors with potential activity against hepatocellular carcinoma. Bioorganic Chemistry, 2021, 107, 104532.	4.1	60
7	Discovery and antiproliferative evaluation of new quinoxalines as potential DNA intercalators and topoisomerase II inhibitors. Archiv Der Pharmazie, 2019, 352, e1900123.	4.1	54
8	Design, eco-friendly synthesis, molecular modeling and anticancer evaluation of thiazol-5(4H)-ones as potential tubulin polymerization inhibitors targeting the colchicine binding site. RSC Advances, 2020, 10, 2791-2811.	3.6	51
9	Design, synthesis, molecular modeling, in vivo studies and anticancer activity evaluation of new phthalazine derivatives as potential DNA intercalators and topoisomerase II inhibitors. Bioorganic Chemistry, 2020, 103, 104233.	4.1	47
10	Design and Synthesis of New Quinoxaline Derivatives as Potential Histone Deacetylase Inhibitors Targeting Hepatocellular Carcinoma: In Silico, In Vitro, and SAR Studies. Frontiers in Chemistry, 2021, 9, 725135.	3.6	46
11	Pyrrolizines: Promising scaffolds for anticancer drugs. Bioorganic and Medicinal Chemistry, 2014, 22, 46-53.	3.0	44
12	Design, synthesis, antiproliferative evaluation, and molecular docking study of new quinoxaline derivatives as apoptotic inducers and EGFR inhibitors. Journal of Molecular Structure, 2021, 1236, 130317.	3.6	43
13	Design, synthesis, antimicrobial activity and molecular docking studies of some novel di-substituted sulfonylquinoxaline derivatives. Bioorganic Chemistry, 2020, 104, 104164.	4.1	41
14	Development of adamantane scaffold containing 1,3,4-thiadiazole derivatives: Design, synthesis, anti-proliferative activity and molecular docking study targeting EGFR. Bioorganic Chemistry, 2021, 110, 104794.	4.1	38
15	Design, synthesis and molecular docking of new fused 1H-pyrroles, pyrrolo[3,2-d]pyrimidines and pyrrolo[3,2-e][1, 4]diazepine derivatives as potent EGFR/CDK2 inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1884-1902.	5.2	35
16	Synthesis, Antiâ€<scp>B</scp>reast Cancer Activity, and Molecular Modeling of Some Benzothiazole and Benzoxazole Derivatives. Archiv Der Pharmazie, 2013, 346, 534-541.	4.1	33
17	New benzothiazole/benzoxazole-pyrazole hybrids with potential as COX inhibitors: design, synthesis and anticancer activity evaluation. Research on Chemical Intermediates, 2017, 43, 3859-3872.	2.7	32
18	Design, synthesis, molecular docking and antiproliferative activity of some novel benzothiazole derivatives targeting EGFR/HER2 and TS. Bioorganic Chemistry, 2020, 101, 103976.	4.1	32

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19	Screening a Panel of Topical Ophthalmic Medications against MMP-2 and MMP-9 to Investigate Their Potential in Keratoconus Management. Molecules, 2022, 27, 3584.	3.8	30
20	Multi-Phase In Silico Discovery of Potential SARS-CoV-2 RNA-Dependent RNA Polymerase Inhibitors among 3009 Clinical and FDA-Approved Related Drugs. Processes, 2022, 10, 530.	2.8	29
21	Design and synthesis of novel benzoazoninone derivatives as potential CBSIs and apoptotic inducers: In Vitro, in Vivo, molecular docking, molecular dynamics, and SAR studies. Bioorganic Chemistry, 2022, 127, 105995.	4.1	29
22	Hybridized Quinoline Derivatives as Anticancer Agents: Design, Synthesis, Biological Evaluation and Molecular Docking. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 439-452.	1.7	27
23	Antiproliferative, Apoptotic Effects and Suppression of Oxidative Stress of Quercetin against Induced Toxicity in Lung Cancer Cells of Rats: In vitro and In vivo Study. Journal of Cancer, 2021, 12, 5249-5259.	2.5	25
24	Microwave-Assisted Synthesis, Biological Activity Evaluation, Molecular Docking, and ADMET Studies of Some Novel Pyrrolo [2,3-b] Pyrrole Derivatives. Molecules, 2022, 27, 2061.	3.8	22
25	Tolmetin Sodium Fast Dissolving Tablets for Rheumatoid Arthritis Treatment: Preparation and Optimization Using Box-Behnken Design and Response Surface Methodology. Pharmaceutics, 2022, 14, 880.	4.5	20
26	Design, synthesis, biological evaluations, molecular docking, and in vivo studies of novel phthalimide analogs. Archiv Der Pharmazie, 2018, 351, e1700363.	4.1	19
27	Design, synthesis, molecular modeling and anti-breast cancer activity of novel quinazolin-4-one derivatives linked to thiazolidinone, oxadiazole or pyrazole moieties. Medicinal Chemistry Research, 2015, 24, 2993-3007.	2.4	17
28	Design, synthesis and biological evaluation of novel triaryl (Z)-olefins as tamoxifen analogues. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4960-4963.	2.2	16
29	Synthesis, molecular docking and antitumor activity of novel pyrrolizines with potential as EGFR-TK inhibitors. Bioorganic Chemistry, 2015, 59, 124-129.	4.1	15
30	Design, synthesis, and molecular docking studies of novel pomalidomide-based PROTACs as potential anti-cancer agents targeting EGFR^{WT} and EGFR^{T790M}. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1196-1211.	5.2	13
31	Design, Synthesis, and Molecular Docking Studies of 2â€(Furanâ€2â€yl)quinazolinâ€4â€one Derivatives as Potential Antiproliferative Agents. Archiv Der Pharmazie, 2015, 348, 487-497.	4.1	12
32	Apoptotic and anti-angiogenic effects of propolis against human bladder cancer: molecular docking and inÂvitro screening. Biomarkers, 2022, 27, 138-150.	1.9	12
33	Identification of Some Promising Heterocycles Useful in Treatment of Allergic Rhinitis: Virtual Screening, Pharmacophore Mapping, Molecular Docking, and Molecular Dynamics. Russian Journal of Bioorganic Chemistry, 2022, 48, 438-456.	1.0	10
34	Synthesis of novel indolizine, diazepinoindolizine and Pyrimidoindolizine derivatives as potent and selective anticancer agents. Research on Chemical Intermediates, 2015, 41, 9687-9701.	2.7	9
35	Biological Effect of Quercetin in Repairing Brain Damage and Cerebral Changes in Rats: Molecular Docking and In Vivo Studies. BioMed Research International, 2022, 2022, 1-12.	1.9	9
36	3D-Pharmacophore Modeling, Molecular Docking, and Virtual Screening for Discovery of Novel CDK4/6 Selective Inhibitors. Russian Journal of Bioorganic Chemistry, 2021, 47, 317-333.	1.0	8

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37	Microwave-assisted synthesis, spectroscopic characterization, and biological evaluation of fused thieno[2,3-d]pyrimidines as potential anti-cancer agents targeting EGFRWT and EGFRT790M. Molecular Diversity, 2023, 27, 901-917.	3.9	8
38	Design, Synthesis and Anticancer Activity Evaluation of Some Novel Pyrrolo[1,2â€a]azepine Derivatives. Archiv Der Pharmazie, 2014, 347, 515-522.	4.1	7
39	An Eco-Friendly Technique: Solvent-Free Microwave Synthesis and Docking Studies of Some New Pyridine Nucleosides and Their Pharmacological Significance. Molecules, 2019, 24, 1969.	3.8	7
40	Pyrrolizines as Potential Anticancer Agents: Design, Synthesis, Caspase-3 activation and Micronucleus (MN) Induction. Anti-Cancer Agents in Medicinal Chemistry, 2019, 18, 2124-2130.	1.7	7
41	Calendula officinalisPhytochemicals for the Treatment of Wounds Through Matrix Metalloproteinases-8 and 9 (MMP-8 and MMP-9): In Silico Approach. Natural Product Communications, 2022, 17, 1934578X2210988.	0.5	7
42	Synthesis, characterization, and biological evaluation of new quinazolin-4-one derivatives hybridized with pyridine or pyran moiety. Research on Chemical Intermediates, 2016, 42, 659-671.	2.7	6
43	Therapeutic Effect of Murine Bone Marrow-Derived Mesenchymal Stromal/Stem Cells and Human Placental Extract on Testicular Toxicity Resulting from Doxorubicin in Rats. BioMed Research International, 2021, 2021, 1-13.	1.9	5
44	Formulation, characterization and in-vitro evaluation of solid lipid nanoparticles for the delivery of a new anticancer agent, 1H-pyrazolo[3,4-d] pyrimidine derivative. Tropical Journal of Pharmaceutical Research, 2022, 20, 885-891.	0.3	4
45	COVID-19 Pandemic Between Severity Facts and Prophylaxis. Natural Product Communications, 2021, 16, 1934578X2110412.	0.5	1