

Mohamed S Nafie

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,038
citations

430754

18
h-index

454834

30
g-index

49
all docs

49
docs citations

49
times ranked

544
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of novel pyrazolo[3,4-b]pyridine scaffold-based derivatives as potential PIM-1 kinase inhibitors in breast cancer MCF-7 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115828.	1.4	64
2	Auspicious role of the steroidal heterocyclic derivatives as a platform for anti-cancer drugs. <i>Bioorganic Chemistry</i> , 2017, 73, 128-146.	2.0	63
3	Screening of different drug design tools to predict the mode of action of steroidal derivatives as anti-cancer agents. <i>Steroids</i> , 2019, 152, 108485.	0.8	61
4	Triaryl dicationic DNA minor-groove binders with antioxidant activity display cytotoxicity and induce apoptosis in breast cancer. <i>Chemico-Biological Interactions</i> , 2020, 324, 109087.	1.7	60
5	Discovery of New Apoptosis-Inducing Agents for Breast Cancer Based on Ethyl 2-Amino-4,5,6,7-Tetra Hydrobenzo[b]Thiophene-3-Carboxylate: Synthesis, In Vitro, and In Vivo Activity Evaluation. <i>Molecules</i> , 2020, 25, 2523.	1.7	57
6	Synthesis, characterization of some pyrazine derivatives as anti-cancer agents: In Vitro and in Silico approaches. <i>Journal of Molecular Structure</i> , 2020, 1210, 128013.	1.8	49
7	Synthesis, molecular modeling and anti-cancer evaluation of a series of quinazoline derivatives. <i>Carbohydrate Research</i> , 2019, 486, 107832.	1.1	47
8	Topo II inhibition and DNA intercalation by new phthalazine-based derivatives as potent anticancer agents: design, synthesis, anti-proliferative, docking, and <i>in vivo</i> studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 299-314.	2.5	47
9	Molecular docking, anti-proliferative activity and induction of apoptosis in human liver cancer cells treated with androstane derivatives: Implication of PI3K/AKT/mTOR pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 198, 105604.	1.2	44
10	Exploration of novel VEGFR2 tyrosine kinase inhibitors via design and synthesis of new alkylated indolyl-triazole Schiff bases for targeting breast cancer. <i>Bioorganic Chemistry</i> , 2022, 122, 105708.	2.0	38
11	Synthesis of new substituted pyridine derivatives as potent anti-liver cancer agents through apoptosis induction: In vitro, in vivo, and in silico integrated approaches. <i>Bioorganic Chemistry</i> , 2021, 111, 104877.	2.0	37
12	Design, synthesis and evaluation of new quinazolin-4-one derivatives as apoptotic enhancers and autophagy inhibitors with potent antitumor activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113609.	2.6	37
13	Chemical Profiling, Antioxidant, Cytotoxic Activities and Molecular Docking Simulation of <i>Carrichtera annua</i> DC. (Cruciferae). <i>Antioxidants</i> , 2020, 9, 1286.	2.2	33
14	Design and synthesis of novel benzoazoninone derivatives as potential CBSIs and apoptotic inducers: In Vitro, in Vivo, molecular docking, molecular dynamics, and SAR studies. <i>Bioorganic Chemistry</i> , 2022, 127, 105995.	2.0	29
15	Molecular Insights into Human Transmembrane Protease Serine-2 (TMPS2) Inhibitors against SARS-CoV2: Homology Modelling, Molecular Dynamics, and Docking Studies. <i>Molecules</i> , 2020, 25, 5007.	1.7	28
16	Discovery of hydrazide-based pyridazino[4,5-b]indole scaffold as a new phosphoinositide 3-kinase (PI3K) inhibitor for breast cancer therapy. <i>RSC Advances</i> , 2020, 10, 19534-19541.	1.7	28
17	Antimicrobial and antiproliferative activities of novel synthesized 6-(quinolin-2-ylthio) pyridine derivatives with molecular docking study as multi-targeted JAK2/STAT3 inhibitors. <i>Chemical Biology and Drug Design</i> , 2021, 97, 553-564.	1.5	25
18	Design, synthesis and antiproliferative activity of new amine, amino acid and dipeptide-coupled benzamides as potential sigma-1 receptor. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2515-2532.	1.2	19

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19	Quinoline-based thiazolidinone derivatives as potent cytotoxic and apoptosis-inducing agents through EGFR inhibition. <i>Chemical Biology and Drug Design</i> , 2022, 99, 547-560.	1.5	19
20	Novel Bis-Thiazole Derivatives: Synthesis and Potential Cytotoxic Activity Through Apoptosis With Molecular Docking Approaches. <i>Frontiers in Chemistry</i> , 2021, 9, 694870.	1.8	17
21	Control of ER-positive breast cancer by ER α expression inhibition, apoptosis induction, cell cycle arrest using semisynthetic isoeugenol derivatives. <i>Chemico-Biological Interactions</i> , 2022, 351, 109753.	1.7	17
22	In Vitro and In Vivo Studies of Anti-Lung Cancer Activity of <i>Artemisia judaica</i> L. Crude Extract Combined with LC-MS/MS Metabolic Profiling, Docking Simulation and HPLC-DAD Quantification. <i>Antioxidants</i> , 2022, 11, 17.	2.2	15
23	Evaluation of 2-Thioxoimidazolidin-4-one Derivatives as Potent Anti-Cancer Agents through Apoptosis Induction and Antioxidant Activation: In Vitro and In Vivo Approaches. <i>Molecules</i> , 2022, 27, 83.	1.7	14
24	Synthesis and Antiproliferative Activity of a New Series of Mono- and Bis(dimethylpyrazolyl)-triazine Derivatives Targeting EGFR/PI3K/AKT/mTOR Signaling Cascades. <i>ACS Omega</i> , 2022, 7, 24858-24870.	1.6	14
25	Design, synthesis, DFT, molecular modelling studies and biological evaluation of novel 3-substituted (E)-5-(arylidene)-1-methyl-2-thioxoimidazolidin-4-ones with potent cytotoxic activities against breast MCF-7, liver HepG2, and lung A549. <i>Journal of Molecular Structure</i> , 2021, 1229, 129805.	1.8	13
26	Synthesis, molecular modeling, selective aldose reductase inhibition and hypoglycemic activity of novel meglitinides. <i>Bioorganic Chemistry</i> , 2021, 111, 104909.	2.0	12
27	Cytotoxicity, <i>in silico</i> predictions and molecular studies for androstane heterocycle compounds revealed potential antitumor agent against lung cancer cells. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4352-4365.	2.0	11
28	Comparative Assessment of the Antioxidant and Anticancer Activities of <i>Plicosepalus acacia</i> and <i>Plicosepalus curviflorus</i> : Metabolomic Profiling and In Silico Studies. <i>Antioxidants</i> , 2022, 11, 1249.	2.2	11
29	<i>Rubia tinctorum</i> root extracts: chemical profile and management of type II diabetes mellitus. <i>RSC Advances</i> , 2020, 10, 24159-24168.	1.7	10
30	Antitumor Activity of Nitazoxanide against Colon Cancers: Molecular Docking and Experimental Studies Based on Wnt/ β -Catenin Signaling Inhibition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5213.	1.8	10
31	The Antioxidant <i>Carrichtera annua</i> DC. Ethanol Extract Counteracts Cisplatin Triggered Hepatic and Renal Toxicities. <i>Antioxidants</i> , 2021, 10, 825.	2.2	10
32	The design and synthesis of potent benzimidazole derivatives <i>via</i> scaffold hybridization and evaluating their antiproliferative and proapoptotic activity against breast and lung cancer cell lines. <i>New Journal of Chemistry</i> , 2022, 46, 4239-4256.	1.4	10
33	Chemical Constituent Profiling of <i>Phyllostachys heterocykla</i> var. <i>Pubescens</i> with Selective Cytotoxic Polar Fraction through EGFR Inhibition in HepG2 Cells. <i>Molecules</i> , 2021, 26, 940.	1.7	9
34	Novel bis-amide-based bis-thiazoles as Anti-colorectal Cancer Agents Through Bcl-2 Inhibition: Synthesis, In Vitro, and In Vivo studies. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2023, 23, 328-345.	0.9	8
35	Cytotoxic, Apoptosis-Inducing Activities, and Molecular Docking of a New Sterol from Bamboo Shoot Skin <i>Phyllostachys heterocykla</i> var. <i>pubescens</i> . <i>Molecules</i> , 2020, 25, 5650.	1.7	7
36	New Antiproliferative Triflavanone from <i>Thymelaea hirsuta</i> Isolation, Structure Elucidation and Molecular Docking Studies. <i>Molecules</i> , 2021, 26, 739.	1.7	7

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37	Design, synthesis, and computational explorations of novel 2- θ thiohydantoin nucleosides with cytotoxic activities. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 664-685.	1.4	7
38	Association of VEGF Gene Family Variants with Central Macular Thickness and Visual Acuity after Aflibercept Short-Term Treatment in Diabetic Patients: A Pilot Study. <i>Ophthalmic Research</i> , 2021, 64, 261-272.	1.0	6
39	Synthesis and Cytotoxic Activity of Novel Metal Complexes Derived from Methyl-3-(4-chlorophenyl)-3-hydroxy-2,2-dimethylpropanoate as Potential CDK8 Kinase Inhibitors. <i>ACS Omega</i> , 2021, 6, 5244-5254.	1.6	6
40	<i>Thonningia</i> Extract: Antioxidant and Cytotoxic Activities Supported by Chemical Composition and Molecular Docking Simulations. <i>Plants</i> , 2021, 10, 2156.	1.6	6
41	Synthesis of Novel Phthalazinedione-Based Derivatives with Promising Cytotoxic, Anti-bacterial, and Molecular Docking Studies as VEGFR2 Inhibitors. <i>ACS Omega</i> , 2022, 7, 26800-26811.	1.6	6
42	Synthesis, 3D-QSAR, and Molecular Modeling Studies of Triazole Bearing Compounds as a Promising Scaffold for Cyclooxygenase-2 Inhibition. <i>Pharmaceuticals</i> , 2020, 13, 370.	1.7	5
43	<i>Micromonospora</i> species from rarely-exploited Egyptian habitats: chemical profile, antimicrobial, and antitumor activities through antioxidant property. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2427-2439.	1.7	5
44	Chemical profiling, cytotoxic activities through apoptosis induction in MCF-7 cells and molecular docking of <i>Phyllostachys heterocycla</i> bark nonpolar extract. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9636-9647.	2.0	5
45	GC-MS/MS Quantification of EGFR Inhibitors, β -Sitosterol, Betulinic Acid, (+) Eriodictyol, (+) Epipinoresinol, and Secoisolariciresinol, in Crude Extract and Ethyl Acetate Fraction of <i>Thonningia sanguinea</i> . <i>Molecules</i> , 2022, 27, 4109.	1.7	4
46	Cytotoxic, apoptotic activities and chemical profiling of dimorphic forms of Egyptian halophyte <i>Cakile maritima</i> scop.. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 147-160.	2.0	3
47	Antitumor efficacy of the Egyptian Scorpion Venom <i>Androctonus Australis</i> : in vitro and in vivo study. <i>Journal of Basic and Applied Zoology</i> , 2020, 81, .	0.4	2