

Alaa A-M Abdel-Aziz

List of Publications by Year in descending order

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150
papers

4,588
citations

76196

40
h-index

123241

61
g-index

163
all docs

163
docs citations

163
times ranked

4179
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, synthesis and biological evaluation of novel quinazoline derivatives as potential antitumor agents: Molecular docking study. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 4188-4198.	2.6	207
2	Substituted quinazolines, part 3. Synthesis, in vitro antitumor activity and molecular modeling study of certain 2-thieno-4(3H)-quinazolinone analogs. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2379-2391.	2.6	175
3	Synthesis, dihydrofolate reductase inhibition, antitumor testing, and molecular modeling study of some new 4(3H)-quinazolinone analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 8608-8621.	1.4	171
4	Design, synthesis, and biological evaluation of substituted hydrazone and pyrazole derivatives as selective COX-2 inhibitors: Molecular docking study. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3416-3424.	1.4	140
5	Synthesis, biological evaluation and molecular modeling study of pyrazole and pyrazoline derivatives as selective COX-2 inhibitors and anti-inflammatory agents. Part 2. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3306-3316.	1.4	133
6	Novel and versatile methodology for synthesis of cyclic imides and evaluation of their cytotoxic, DNA binding, apoptotic inducing activities and molecular modeling study. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 614-626.	2.6	130
7	Non-classical antifolates. Part 2: Synthesis, biological evaluation, and molecular modeling study of some new 2,6-substituted-quinazolin-4-ones. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2849-2863.	1.4	121
8	Synthesis, antimicrobial activity and conformational analysis of novel substituted pyridines: BF ₃ -promoted reaction of hydrazine with 2-alkoxy pyridines. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1845-1852.	1.4	112
9	Synthesis, anti-inflammatory activity and COX-1/COX-2 inhibition of novel substituted cyclic imides. Part 1: Molecular docking study. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1648-1655.	2.6	99
10	Structure-based design of phthalimide derivatives as potential cyclooxygenase-2 (COX-2) inhibitors: Anti-inflammatory and analgesic activities. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 115-123.	2.6	97
11	Synthesis, anti-inflammatory, analgesic, COX-1/2 inhibitory activities and molecular docking studies of substituted 2-mercapto-4(3H)-quinazolinones. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 410-421.	2.6	81
12	Synthesis and antitumor evaluation of trimethoxyanilides based on 4(3H)-quinazolinone scaffolds. <i>European Journal of Medicinal Chemistry</i> , 2016, 112, 106-113.	2.6	75
13	Design, synthesis of 2,3-disubstitued 4(3H)-quinazolinone derivatives as anti-inflammatory and analgesic agents: COX-1/2 inhibitory activities and molecular docking studies. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3818-3828.	1.4	70
14	Synthesis, antimicrobial activity and molecular modeling of cobalt and nickel complexes containing the bulky ligand: bis[N-(2,6-diisopropylphenyl)imino] acenaphthene. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 1214-1221.	2.6	64
15	Synthesis, anti-inflammatory, analgesic, COX-1/2 inhibition activities and molecular docking study of pyrazoline derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2032-2042.	1.4	63
16	Design, synthesis and biological evaluation of some novel substituted quinazolines as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 446-454.	2.6	61
17	Design, synthesis and antibacterial activity of fluoroquinolones containing bulky arenesulfonyl fragment: 2D-QSAR and docking study. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5487-5497.	2.6	59
18	Design, synthesis and biological evaluation of 2-mercapto-3-phenethylquinazoline bearing anilide fragments as potential antitumor agents: Molecular docking study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3935-3941.	1.0	59

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19	Synthesis of coumarin-sulfonamide derivatives and determination of their cytotoxicity, carbonic anhydrase inhibitory and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111702.	2.6	59
20	Synthesis, antitumor activity and molecular docking study of some novel 3-benzyl-4(3H)quinazolinone analogues. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 78-89.	2.5	58
21	Molecular design, synthesis and biological evaluation of cyclic imides bearing benzenesulfonamide fragment as potential COX-2 inhibitors. Part 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2601-2605.	1.0	57
22	Synthesis and anti-inflammatory activity of sulfonamides and carboxylates incorporating trimellitimides: Dual cyclooxygenase/carbonic anhydrase inhibitory actions. <i>Bioorganic Chemistry</i> , 2019, 84, 260-268.	2.0	56
23	Synthesis and biological evaluation of 2-styrylquinolines as antitumor agents and EGFR kinase inhibitors: molecular docking study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 199-209.	2.5	55
24	Lewis acid-promoted transformation of 2-alkoxypyridines into 2-aminopyridines and their antibacterial activity. Part 2: Remarkably facile C-N bond formation. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4929-4935.	1.4	54
25	Synthesis and antitumor evaluation of novel cyclic arylsulfonamide ureas: ADME-T and pharmacophore prediction. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2516-2530.	2.6	54
26	Synthesis of 4-(thiazol-2-ylamino)-benzenesulfonamides with carbonic anhydrase I, II and IX inhibitory activity and cytotoxic effects against breast cancer cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3043-3051.	1.4	53
27	Oral colon targeted delivery systems for treatment of inflammatory bowel diseases: Synthesis, in vitro and in vivo assessment. <i>International Journal of Pharmaceutics</i> , 2008, 358, 248-255.	2.6	50
28	Synthesis and biological evaluation of some novel cyclic-imides as hypoglycaemic, anti-hyperlipidemic agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4324-4329.	2.6	50
29	Synthesis, anti-inflammatory, analgesic and COX-1/2 inhibition activities of anilides based on 5,5-diphenylimidazolidine-2,4-dione scaffold: Molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 121-131.	2.6	50
30	DFT and experimental (FT-IR and FT-Raman) investigation of vibrational spectroscopy and molecular docking studies of 2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)-N-(3,4,5-trimethoxyphenyl) acetamide. <i>Journal of Molecular Structure</i> , 2016, 1113, 133-145.	1.8	49
31	Discovery of Benzenesulfonamides with Potent Human Carbonic Anhydrase Inhibitory and Effective Anticonvulsant Action: Design, Synthesis, and Pharmacological Assessment. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2456-2469.	2.9	49
32	Synthesis, biological activity and multiscale molecular modeling studies of bis-coumarins as selective carbonic anhydrase IX and XII inhibitors with effective cytotoxicity against hepatocellular carcinoma. <i>Bioorganic Chemistry</i> , 2019, 87, 838-850.	2.0	49
33	Carbonic anhydrase inhibitory activity of sulfonamides and carboxylic acids incorporating cyclic imide scaffolds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5185-5189.	1.0	47
34	Synthesis and anti-inflammatory activity of novel (substituted)benzylidene acetone oxime ether derivatives: Molecular modeling study. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1403-1414.	2.6	46
35	Synthesis and potential antitumor activity of 7-(4-substituted piperazin-1-yl)-4-oxoquinolines based on ciprofloxacin and norfloxacin scaffolds: <i>in silico</i> studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 796-809.	2.5	46
36	Design, synthesis, single-crystal and preliminary antitumor activity of novel arenesulfonimidazolidin-2-ones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2008-2014.	1.0	45

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37	Synthesis, antitumor and antimicrobial activity of some new 6-methyl-3-phenyl-4(3 <i>H</i>)-quinazolinone analogues: <i>in silico</i> studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 721-735.	2.5	44
38	Synthesis of Novel Selenides Bearing Benzenesulfonamide Moieties as Carbonic Anhydrase I, II, IV, VII, and IX Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 1213-1217.	1.3	44
39	Synthesis and biological evaluation of novel 6-nitro-5-substituted aminoquinolines as local anesthetic and anti-arrhythmic agents: molecular modeling study. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 3175-3183.	1.4	42
40	Synthesis, anticancer and apoptosis-inducing activities of quinazoline-isatin conjugates: epidermal growth factor receptor-tyrosine kinase assay and molecular docking studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 935-944.	2.5	41
41	Synthesis, cytotoxic evaluation, and molecular docking studies of novel quinazoline derivatives with benzenesulfonamide and anilide tails: Dual inhibitors of EGFR/HER2. <i>Bioorganic Chemistry</i> , 2020, 95, 103461.	2.0	41
42	Investigation of arenesulfonyl-2-imidazolidinones as potent carbonic anhydrase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 81-84.	2.5	40
43	Molecular structure, Hirshfeld surface analysis, spectroscopic (FT-IR, Laser-Raman, UV-vis. and NMR), HOMO-LUMO and NBO investigations on N-(12-amino-9,10-dihydro-9,10-ethanoanthracen-11-yl)-4-methylbenzenesulfonamide. <i>Journal of Molecular Structure</i> . 2018. 1171. 696-705.	1.8	40
44	Expanding the anticancer potential of 1,2,3-triazoles via simultaneously targeting Cyclooxygenase-2, 15-lipoxygenase and tumor-associated carbonic anhydrases. <i>European Journal of Medicinal Chemistry</i> , 2020, 200, 112439.	2.6	40
45	Design, synthesis and X-ray crystallography of selenides bearing benzenesulfonamide moiety with neuropathic pain modulating effects. <i>European Journal of Medicinal Chemistry</i> , 2018, 154, 210-219.	2.6	39
46	Discovery of new organoselenium compounds as antileishmanial agents. <i>Bioorganic Chemistry</i> , 2019, 86, 339-345.	2.0	39
47	Solvatochromism, DNA binding, antitumor activity and molecular modeling study of mixed-ligand copper(II) complexes containing the bulky ligand: Bis[N-(<i>p</i> -tolyl)imino]acenaphthene. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 1325-1333.	2.6	37
48	Structural alterations based on naproxen scaffold: Synthesis, evaluation of antitumor activity and COX-2 inhibition, and molecular docking. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 134-143.	2.6	37
49	Antitumor evaluation and molecular docking study of substituted 2-benzylidenebutane-1,3-dione, 2-hydrazonebutane-1,3-dione and trifluoromethyl-1H-pyrazole analogues. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 679-687.	2.5	36
50	Synthesis of novel isoindoline-1,3-dione-based oximes and benzenesulfonamide hydrazones as selective inhibitors of the tumor-associated carbonic anhydrase IX. <i>Bioorganic Chemistry</i> , 2018, 80, 706-713.	2.0	36
51	Synthesis of benzenesulfonamides linked to quinazoline scaffolds as novel carbonic anhydrase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 87, 78-90.	2.0	36
52	Design, synthesis and biological evaluation of some novel substituted 2-mercapto-3-phenethylquinazolines as antitumor agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 5566-5577.	1.1	35
53	Inhibition of carbonic anhydrase isoforms I, II, IV, VII and XII with carboxylates and sulfonamides incorporating phthalimide/phthalic anhydride scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 20-25.	1.4	35
54	Synthesis and biological evaluation of cyclic imides incorporating benzenesulfonamide moieties as carbonic anhydrase I, II, IV and IX inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1666-1671.	1.4	33

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55	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
56	Design, synthesis, and antitumor activity of novel compounds based on 1,2,4-triazolophthalazine scaffold: Apoptosis-inductive and PCAF-inhibitory effects. Bioorganic Chemistry, 2020, 101, 104019.	2.0	33
57	Design, synthesis, and carbonic anhydrase inhibition activity of benzenesulfonamide-linked novel pyrazoline derivatives. Bioorganic Chemistry, 2019, 87, 425-431.	2.0	31
58	Versatile chiral synthons for 1,2-diamines: (4S,5S)- and (4R,5R)-4,5-dimethoxy-2-imidazolidinones. Tetrahedron Letters, 2001, 42, 6353-6355.	0.7	30
59	Synthesis, <i>in vitro</i> antitumour activity, and molecular docking study of novel 2-substituted mercapto-3-(3,4,5-trimethoxybenzyl)-4(3H)-quinazolinone analogues. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1229-1239.	2.5	30
60	Synthesis, antitumour and antioxidant activities of novel α,β -unsaturated ketones and related heterocyclic analogues: EGFR inhibition and molecular modelling study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 507-518.	2.5	30
61	Comprehensive study on potent and selective carbonic anhydrase inhibitors: Synthesis, bioactivities and molecular modelling studies of 4-(3-(2-arylidenehydrazine-1-carbonyl)-5-(thiophen-2-yl)-1H-pyrazole-1-yl) benzenesulfonamides. European Journal of Medicinal Chemistry, 2021, 217, 113351.	2.6	30
62	Synthesis and anticonvulsant activity of some new thiazolo[3,2-a][1,3]diazepine, benzo[d]thiazolo[5,2-a][12,6]diazepine and benzo[d]oxazolo[5,2-a][12,6]diazepine analogues. European Journal of Medicinal Chemistry, 2011, 46, 5567-5572.	2.6	29
63	Synthesis, single-crystal, <i>in vitro</i> antitumor evaluation and molecular docking of 3-substitued 5,5-diphenylimidazolidine-2,4-dione derivatives. Medicinal Chemistry Research, 2013, 22, 6129-6142.	1.1	29
64	Synthesis, biological activity and multiscale molecular modeling studies for coumaryl-carboxamide derivatives as selective carbonic anhydrase IX inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1042-1052.	2.5	28
65	Synthesis, molecular modeling study, preliminary antibacterial, and antitumor evaluation of N-substituted naphthalimides and their structural analogues. Medicinal Chemistry Research, 2013, 22, 2360-2375.	1.1	27
66	Synthesis and human/bacterial carbonic anhydrase inhibition with a series of sulfonamides incorporating phthalimido moieties. Bioorganic and Medicinal Chemistry, 2017, 25, 2524-2529.	1.4	25
67	Synthesis, antitumour activities and molecular docking of thiocarboxylic acid ester-based NSAID scaffolds: COX-2 inhibition and mechanistic studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 989-998.	2.5	25
68	An unusual enhancement of chiral induction by chiral 2-imidazolidinone auxiliaries. Tetrahedron Letters, 2000, 41, 8533-8537.	0.7	23
69	Synthesis and antitumor evaluation of novel diarylsulfonylurea derivatives: Molecular modeling applications. European Journal of Medicinal Chemistry, 2010, 45, 689-697.	2.6	23
70	Design, synthesis and biological evaluation of N-(5-methyl-isoxazol-3-yl)-1,3,4-thiadiazol-2-yl)-4-(3-substitutedphenylureido) benzenesulfonamides as human carbonic anhydrase isoenzymes I, II, VII and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 174-179.	2.5	23
71	Synthesis and carbonic anhydrase inhibition of polycyclic imides incorporating N-benzenesulfonamide moieties. Bioorganic and Medicinal Chemistry, 2017, 25, 5373-5379.	1.4	23
72	4-Substitued benzenesulfonamides featuring cyclic imides moieties exhibit potent and isoform-selective carbonic anhydrase II/IX inhibition. Bioorganic Chemistry, 2019, 83, 198-204.	2.0	23

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73	Chalcogenides-incorporating carbonic anhydrase inhibitors concomitantly reverted oxaliplatin-induced neuropathy and enhanced antiproliferative action. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113793.	2.6	23
74	Acyl selenoureido benzensulfonamides show potent inhibitory activity against carbonic anhydrases from the pathogenic bacterium <i>Vibrio cholerae</i> . <i>Bioorganic Chemistry</i> , 2017, 75, 170-172.	2.0	21
75	S-substituted 2-mercaptoquinazolin-4(3H)-one and 4-ethylbenzensulfonamides act as potent and selective human carbonic anhydrase IX and XII inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 733-743.	2.5	20
76	Synthesis, spectroscopic analyses (FT-IR and NMR), vibrational study, chemical reactivity and molecular docking study and anti-tubercular activity of condensed oxadiazole and pyrazine derivatives. <i>Journal of Molecular Structure</i> , 2018, 1156, 657-674.	1.8	19
77	An Efficient Synthesis of Thioesters Via TFA-Catalyzed Reaction of Carboxylic Acid and Thiols: Remarkably Facile C-S Bond Formation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 1046-1055.	0.8	18
78	FT-IR, FT-Raman and molecular docking study of ethyl 4-(2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)acetamido)benzoate. <i>Journal of Molecular Structure</i> , 2016, 1111, 9-18.	1.8	17
79	Synergistic Anti Leukemia Effect of a Novel Hsp90 and a Pan Cyclin Dependent Kinase Inhibitors. <i>Molecules</i> , 2020, 25, 2220.	1.7	17
80	New ultra-short acting hypnotic: Synthesis, biological evaluation, and metabolic profile of ethyl 8-oxo-5,6,7,8-tetrahydro-thiazolo[3,2-a][1,3]diazepin-3-carboxylate (HIE-124). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 72-77.	1.0	16
81	4-((1,3-dioxoisindolin-2-yl)methyl)benzenesulfonamide: Full Structural and Spectroscopic Characterization and Molecular Docking with Carbonic Anhydrase II. <i>ChemistrySelect</i> , 2018, 3, 10113-10124.	0.7	16
82	Synthesis of a new series of 3-functionalised-1-phenyl-1,2,3-triazole sulfamoylbenzamides as carbonic anhydrase I, II, IV and IX inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 1199-1209.	2.5	16
83	Synthesis, anti-inflammatory, cytotoxic, and COX-1/2 inhibitory activities of cyclic imides bearing 3-benzenesulfonamide, oxime, and β -phenylalanine scaffolds: a molecular docking study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 610-621.	2.5	16
84	Synthesis, potential antitumor activity, cell cycle analysis, and multitarget mechanisms of novel hydrazones incorporating a 4-methylsulfonylbenzene scaffold: a molecular docking study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1520-1538.	2.5	16
85	Tadalafil. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2011, 36, 287-329.	3.5	15
86	Synthesis and comparative carbonic anhydrase inhibition of new Schiff bases incorporating benzenesulfonamide, methanesulfonamide, and methylsulfonylbenzene scaffolds. <i>Bioorganic Chemistry</i> , 2019, 92, 103225.	2.0	15
87	Antitumor activity, multitarget mechanisms, and molecular docking studies of quinazoline derivatives based on a benzenesulfonamide scaffold: Cell cycle analysis. <i>Bioorganic Chemistry</i> , 2020, 104, 104345.	2.0	15
88	Exploring of tumor-associated carbonic anhydrase isoenzyme IX and XII inhibitory effects and cytotoxicities of the novel N-aryl-1-(4-sulfamoylphenyl)-5-(thiophen-2-yl)-1H-pyrazole-3-carboxamides. <i>Bioorganic Chemistry</i> , 2021, 115, 105194.	2.0	15
89	Unusual N-acylation of sterically congested trans-4,5-disubstituted 2-imidazolidinones: remarkably facile C-C bond formation. <i>Tetrahedron Letters</i> , 2001, 42, 6565-6567.	0.7	14
90	Flurbiprofen. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2012, 37, 113-181.	3.5	14

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91	Discovery of 4-sulfamoyl-phenyl- β -lactams as a new class of potent carbonic anhydrase isoforms I, II, IV and VII inhibitors: The first example of subnanomolar CA IV inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 539-544.	1.4	14
92	New anthranilic acid-incorporating N-benzenesulfonamidophthalimides as potent inhibitors of carbonic anhydrases I, II, IX, and XII: Synthesis, in vitro testing, and in silico assessment. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111573.	2.6	14
93	Design, synthesis, antitumor, and VEGFR-2 inhibition activities of novel 4-anilino-2-vinyl-quinazolines: Molecular modeling studies. <i>Bioorganic Chemistry</i> , 2022, 122, 105710.	2.0	13
94	Enantioselective synthesis of (1S,2S)-1,2-di-tert-butyl and (1R,2R)-1,2-di-(1-adamantyl)ethylenediamines. <i>Tetrahedron Letters</i> , 2004, 45, 8073-8077.	0.7	12
95	Synthesis, Ultra-Short Acting Hypnotic Activity, and Metabolic Profile of Ethyl 8-oxo-5,6,7,8-tetrahydrothiazolo[3,2-a][1,3]diazepin-3-carboxylate (HIE-124). <i>Archiv Der Pharmazie</i> , 2008, 341, 81-89.		
96	Spectroscopic analysis (FT-IR, FT-Raman and NMR) and molecular docking study of ethyl 2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)-acetate. <i>Journal of Molecular Structure</i> , 2016, 1119, 451-461.	1.8	12
97	An efficient method for the synthesis of novel derivatives 4-[5-[4-(4-amino-5-mercapto-4H-[1,2,4]triazol-3-yl)-phenyl]-3-trifluoromethyl-pyrazol-1-yl]-benzenesulfonamide and their anti-inflammatory potential. <i>Bioorganic Chemistry</i> , 2019, 91, 103110.	2.0	12
98	Exploring structure-activity relationship of S-substituted 2-mercaptoquinazolin-4(3H)-one including 4-ethylbenzenesulfonamides as human carbonic anhydrase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 598-609.	2.5	12
99	Synthesis and pharmacological evaluation of novel fused thiophene derivatives as 5-HT _{2A} receptor antagonists: Molecular modeling study. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1805-1820.	2.6	11
100	Newly synthesized dihydroquinazoline derivative from the aspect of combined spectroscopic and computational study. <i>Journal of Molecular Structure</i> , 2017, 1134, 814-827.	1.8	11
101	Lewis acid-promoted direct substitution of 2-methoxy-3-cyanopyridines by organo cuprates. Part 3: Facile preparation of nicotinamide and nicotinic acid derivatives. <i>Tetrahedron Letters</i> , 2007, 48, 2861-2865.	0.7	10
102	Fluoroenesulphonamides: N-sulphonylurea isosteres showing nanomolar selective cancer-related transmembrane human carbonic anhydrase inhibition. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 804-808.	2.5	10
103	Synthesis, antitumor activity, and molecular docking study of 2-cyclopentylloxanisole derivatives: mechanistic study of enzyme inhibition. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 744-758.	2.5	9
104	Carbonic Anhydrase Inhibition with Sulfonamides Incorporating Pyrazole- and Pyridazinecarboxamide Moieties Provides Examples of Isoform-Selective Inhibitors. <i>Molecules</i> , 2021, 26, 7023.	1.7	9
105	Synthesis, biological evaluation and molecular modeling study of thiadiazolo[3,2-a][1,3]diazepine analogues of HIE-124 as a new class of short acting hypnotics. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 237-247.	2.6	8
106	Hirshfeld Surface, Molecular Docking Study, Spectroscopic Characterization and NLO Profile of 2-Methoxy-4,6-Diphenylnicotinonitrile. <i>ChemistrySelect</i> , 2019, 4, 9857-9870.	0.7	8
107	Co-Inhibition of P-gp and Hsp90 by an Isatin-Derived Compound Contributes to the Increase of the Chemosensitivity of MCF7/ADR-Resistant Cells to Doxorubicin. <i>Molecules</i> , 2022, 27, 90.	1.7	8
108	Conformational preferences of sterically congested 2-imidazolidinone using X-ray analysis and computational studies. Part 1: Trans-1-acetyl-4,5-di-tert-butyl-2-imidazolidinone. <i>Journal of Molecular Structure</i> , 2010, 969, 145-154.	1.8	6

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109	Spectroscopic and reactive properties of a newly synthesized quinazoline derivative: Combined experimental, DFT, molecular dynamics and docking study. <i>Journal of Molecular Structure</i> , 2017, 1134, 863-881.	1.8	6
110	Thiadiazolodiazepine analogues as a new class of neuromuscular blocking agents: Synthesis, biological evaluation and molecular modeling study. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 15-23.	2.6	5
111	6-Methyl-3-phenyl-2-sulfanylidene-1,2,3,4-tetrahydroquinazolin-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o862-o862.	0.2	4
112	Design, synthesis, and analysis of antiproliferative and apoptosis-inducing activities of nitrile derivatives containing a benzofuran scaffold: EGFR inhibition assay and molecular modelling study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1487-1498.	2.5	4
113	4-Oxo-2,4-diphenylbutanenitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o736-o736.	0.2	3
114	2-Methoxy-4,6-diphenylnicotinonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o228-o228.	0.2	3
115	2-(4-Methoxyphenyl)-4-oxo-4-phenylbutanenitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o737-o737.	0.2	2
116	2-[[2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl]oxy]acetonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2105-o2106.	0.2	2
117	5-Isopropylimidazolidine-2,4-dione monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o533-o533.	0.2	2
118	S-Phenyl 4-methoxybenzothioate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1074-o1075.	0.2	2
119	2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl 4-bromobenzene-1-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o759-o760.	0.2	2
120	An Alternative Route for Synthesis of Chiral 4-Substituted 1-Arenesulfonyl-2-imidazolidinones: Unusual Utility of (4 <i>S</i> ,5 <i>S</i>)- and (4 <i>R</i> ,5 <i>R</i>)-4,5-Dimethoxy-2-imidazolidinones and X-Ray Crystallography. <i>Journal of Chemistry</i> , 2013, 2013, 1-5.	0.9	2
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123	Betaxolol: A comprehensive profile. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2021, 46, 91-136.	3.5	2
124	Synthesis, antitumor evaluation and molecular modeling study of novel benzimidazoles and pyrazinobenzimidazoles. <i>Journal of Applied Pharmaceutical Science</i> , 0, .	0.7	2
125	2-Methyl-3-(2-methylphenyl)-7-nitroquinazolin-4(3 <i>H</i>)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o863-o863.	0.2	1
126	2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o732-o733.	0.2	1

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128	2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl 4-methylbenzoate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o734-o735.	0.2	1
129	2-Methylsulfanyl-9H-1,3,4-thiadiazolo[2,3-b]quinazolin-9-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2134-o2134.	0.2	1
130	3-[2-(4-Fluorophenyl)-2-oxoethyl]-5,5-diphenylimidazolidine-2,4-dione. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o226-o227.	0.2	1
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141	1-Acetyl-4-(phenylsulfanyl)imidazolidin-2-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o908-o908.	0.2	0
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146	1-Acetyl-5-methoxy-4-(phenylsulfanyl)imidazolidin-2-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o145-o146.	0.2	0
147	Interaction of some new 2-(substituted-thio)-quinazolin-4-ones with molybdenum hydroxylases: A pharmacophore prediction. Future Journal of Pharmaceutical Sciences, 2015, 1, 50-56.	1.1	0
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