Hatem A Abdel-Aziz

List of Publications by Year
in descending order

221 papers	5,082 citations	66234 42 h-index	138251 58 g-index
239 all docs	239 docs citations	239 times ranked	4180 citing authors

#	Article	IF	Citations
1	Synthesis and antimicrobial evaluation of 1-(benzofuran-2-yl)-4-nitro-3-arylbutan-1-ones and 3-(benzofuran-2-yl)-4,5-dihydro-5-aryl-1-[4-(aryl)-1,3-thiazol-2-yl]-1H-pyrazoles. European Journal of Medicinal Chemistry, 2009, 44, 2632-2635.	2.6	202
2	Novel 4/3-((4-oxo-5-(2-oxoindolin-3-ylidene)thiazolidin-2-ylidene)amino) benzenesulfonamides: Synthesis, carbonic anhydrase inhibitory activity, anticancer activity and molecular modelling studies. European Journal of Medicinal Chemistry, 2017, 139, 250-262.	2.6	110
3	Nanomolar Detection of Hypochlorite by a Rhodamine-Based Chiral Hydrazide in Absolute Aqueous Media: Application in Tap Water Analysis with Live-Cell Imaging. Analytical Chemistry, 2014, 86, 6315-6322.	3.2	102
4	Isatin-pyrazole benzenesulfonamide hybrids potently inhibit tumor-associated carbonic anhydrase isoforms IX and XII. European Journal of Medicinal Chemistry, 2015, 103, 583-593.	2.6	92
5	Synthesis and antitumor activity of pyrido [2,3-d]pyrimidine and pyrido[2,3-d] [1,2,4]triazolo[4,3-a]pyrimidine derivatives that induce apoptosis through G1 cell-cycle arrest. European Journal of Medicinal Chemistry, 2014, 83, 155-166.	2.6	88
6	Design, synthesis and QSAR study of certain isatin-pyridine hybrids as potential anti-proliferative agents. European Journal of Medicinal Chemistry, 2015, 90, 684-694.	2.6	86
7	Microwave-assisted synthesis and in-vitro anti-tumor activity of 1,3,4-triaryl-5-N-arylpyrazole-carboxamides. European Journal of Medicinal Chemistry, 2010, 45, 2427-2432.	2.6	84
8	Enhancement of the tail hydrophobic interactions within the carbonic anhydrase IX active site via structural extension: Design and synthesis of novel N-substituted isatins-SLC-0111 hybrids as carbonic anhydrase inhibitors and antitumor agents. European Journal of Medicinal Chemistry, 2019, 162, 147-160.	2.6	81
9	Amido/ureidosubstituted benzenesulfonamides-isatin conjugates as low nanomolar/subnanomolar inhibitors of the tumor-associated carbonic anhydrase isoform XII. European Journal of Medicinal Chemistry, 2016, 110, 259-266.	2.6	77
10	Convenient synthesis and antimicrobial evaluation of some novel 2-substituted-3-methylbenzofuran derivatives. European Journal of Medicinal Chemistry, 2009, 44, 3637-3644.	2.6	75
11	Design, Synthesis and Antitubercular Activity of Certain Nicotinic Acid Hydrazides. Molecules, 2015, 20, 8800-8815.	1.7	72
12	Synthesis and in vitro anti-proliferative activity of some novel isatins conjugated with quinazoline/phthalazine hydrazines against triple-negative breast cancer MDA-MB-231 cells as apoptosis-inducing agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 600-613.	2.5	70
13	Improvement of antibacterial activity of some sulfa drugs through linkage to certain phthalazin-1(2H)-one scaffolds. European Journal of Medicinal Chemistry, 2014, 85, 480-486.	2.6	69
14	Synthesis andin vitroanticancer activity of certain novel 1-(2-methyl-6-arylpyridin-3-yl)-3-phenylureas as apoptosis-inducing agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 322-332.	2.5	69
15	Stereoselective synthesis and antimicrobial activity of benzofuran-based (1E)-1-(piperidin-1-yl)-N2-arylamidrazones. European Journal of Medicinal Chemistry, 2009, 44, 4985-4997.	2.6	62
16	Synthesis and antimicrobial evaluation of some 1,2,4-triazole, 1,3,4-oxa(thia)diazole, and 1,2,4-triazolo[3,4-b]-1,3,4-thiadiazine derivatives. Heteroatom Chemistry, 2005, 16, 621-627.	0.4	61
17	Dual-tail arylsulfone-based benzenesulfonamides differently match the hydrophobic and hydrophilic halves of human carbonic anhydrases active sites: Selective inhibitors for the tumor-associated hCA IX isoform. European Journal of Medicinal Chemistry, 2018, 152, 1-9.	2.6	60
18	Pyridine-Ureas as Potential Anticancer Agents: Synthesis and In Vitro Biological Evaluation. Molecules, 2018, 23, 1459.	1.7	59

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19	Synthesis and antimicrobial evaluation of some 1,3-thiazole, 1,3,4-thiadiazole, 1,2,4-triazole, and 1,2,4-triazolo[3,4-b][1,3,4]-thiadiazine derivatives including a 5-(benzofuran-2-yl)-1-phenylpyrazole moiety. Monatshefte FÃ¼r Chemie, 2009, 140, 601-605.	0.9	58
20	Tumor-associated carbonic anhydrase isoform IX and XII inhibitory properties of certain isatin-bearing sulfonamides endowed with in vitro antitumor activity towards colon cancer. Bioorganic Chemistry, 2018, 81, 425-432.	2.0	56
21	Convenient Synthesis and Antimicrobial Activity of New 3â€Substituted 5â€(Benzofuranâ€2â€yl)â€pyrazole Derivatives. Archiv Der Pharmazie, 2008, 341, 734-739.	2.1	55
22	Design, synthesis and inÂvitro antitumor activity of novel N-substituted-4-phenyl/benzylphthalazin-1-ones. European Journal of Medicinal Chemistry, 2015, 89, 549-560.	2.6	54
23	Synthesis of New Heterocycles Derived from 3-(3-Methyl-1H-indol-2-yl)-3-oxopropanenitrile as Potent Antifungal Agents. Bulletin of the Korean Chemical Society, 2012, 33, 2985-2990.	1.0	54
24	Synthesis of N-benzenesulfonamide-1H-pyrazoles bearing arylsulfonyl moiety: Novel celecoxib analogs as potent anti-inflammatory agents. European Journal of Medicinal Chemistry, 2014, 80, 416-422.	2.6	53
25	Indoline ureas as potential anti-hepatocellular carcinoma agents targeting VEGFR-2: Synthesis, inÂvitro biological evaluation and molecular docking. European Journal of Medicinal Chemistry, 2015, 100, 89-97.	2.6	53
26	SLC-0111 enaminone analogs, 3/4-(3-aryl-3-oxopropenyl) aminobenzenesulfonamides, as novel selective subnanomolar inhibitors of the tumor-associated carbonic anhydrase isoform IX. Bioorganic Chemistry, 2019, 83, 549-558.	2.0	53
27	One-pot three-component synthesis of novel spirooxindoles with potential cytotoxic activity against triple-negative breast cancer MDA-MB-231 cells. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 309-318.	2.5	52
28	Isatin-benzoazine molecular hybrids as potential antiproliferative agents: synthesis and in vitro pharmacological profiling. Drug Design, Development and Therapy, 2017, Volume 11, 2333-2346.	2.0	50
29	Development of isatin-thiazolo[3,2-a]benzimidazole hybrids as novel CDK2 inhibitors with potent in vitro apoptotic anti-proliferative activity: Synthesis, biological and molecular dynamics investigations. Bioorganic Chemistry, 2021, 110, 104748.	2.0	50
30	Stereoselective Synthesis and Antiviral Activity of (1E,2Z,3E)â€1â€(Piperidinâ€1â€yl)â€1â€(arylhydrazono)â€2â€[(benzoyl/benzothiazolâ€ Tj EMC q 0 0 0 rg BT /Over	2.1	49
31	Bis-isatin hydrazones with novel linkers: Synthesis and biological evaluation as cytotoxic agents. European Journal of Medicinal Chemistry, 2016, 108, 415-422.	2.6	49
32	Carbonic anhydrase inhibitors: Benzenesulfonamides incorporating cyanoacrylamide moieties are low nanomolar/subnanomolar inhibitors of the tumor-associated isoforms IX and XII. Bioorganic and Medicinal Chemistry, 2013, 21, 1396-1403.	1.4	48
33	Synthesis and anti-proliferative activity of some new quinoline based 4,5-dihydropyrazoles and their thiazole hybrids as EGFR inhibitors. Bioorganic Chemistry, 2019, 83, 186-197.	2.0	48
34	Synthesis and biological evaluation of certain hydrazonoindolin-2-one derivatives as new potent anti-proliferative agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 867-878.	2.5	47
35	Design, Synthesis and In Vitro Antiproliferative Activity of Novel Isatinâ€Quinazoline Hybrids. Archiv Der Pharmazie, 2015, 348, 144-154.	2.1	46
36	Losartan. Profiles of Drug Substances, Excipients and Related Methodology, 2015, 40, 159-194.	3.5	46

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37	Novel synthesized SLC-0111 thiazole and thiadiazole analogues: Determination of their carbonic anhydrase inhibitory activity and molecular modeling studies. Bioorganic Chemistry, 2019, 87, 794-802.	2.0	46
38	Novel [(N-alkyl-3-indolylmethylene)hydrazono]oxindoles arrest cell cycle and induce cell apoptosis by inhibiting CDK2 and Bcl-2: synthesis, biological evaluation and in silico studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1300-1309.	2.5	46
39	3-Methylthiazolo[3,2-a]benzimidazole-benzenesulfonamide conjugates as novel carbonic anhydrase inhibitors endowed with anticancer activity: Design, synthesis, biological and molecular modeling studies. European Journal of Medicinal Chemistry, 2020, 207, 112745.	2.6	45
40	Facile Synthesis and Inâ€Vitro Antitumor Activity of Some Pyrazolo[3,4â€b]pyridines and Pyrazolo[1,5â€a]pyrimidines Linked to a Thiazolo[3,2â€a]benzimidazole Moiety. Archiv Der Pharmazie, 2010, 343, 24-30.	2.1	44
41	Novel Thiazolidinone/Thiazolo[3,2-a]Benzimidazolone-Isatin Conjugates as Apoptotic Anti-proliferative Agents Towards Breast Cancer: One-Pot Synthesis and In Vitro Biological Evaluation. Molecules, 2018, 23, 1420.	1.7	44
42	Synthesis and in vitro anticancer evaluation of some fused indazoles, quinazolines and quinolines as potential EGFR inhibitors. Bioorganic Chemistry, 2019, 89, 102985.	2.0	44
43	Induction of intrinsic apoptosis pathway in colon cancer HCT-116 cells by novel 2-substituted-5,6,7,8-tetrahydronaphthalene derivatives. European Journal of Medicinal Chemistry, 2014, 77, 323-333.	2.6	42
44	Inhibition of carbonic anhydrases from the extremophilic bacteria Sulfurihydrogenibium yellostonense (SspCA) and S. azorense (SazCA) with a new series of sulfonamides incorporating aroylhydrazone-, [1,2,4]triazolo[3,4-b][1,3,4]thiadiazinyl- or 2-(cyanophenylmethylene)-1,3,4-thiadiazol-3(2H)-yl moieties. Bioorganic and Medicinal Chemistry, 2014, 22, 141-147.	1.4	42
45	Sulfonamide-based ring-fused analogues for CAN508 as novel carbonic anhydrase inhibitors endowed with antitumor activity: Design, synthesis, and inÂvitro biological evaluation. European Journal of Medicinal Chemistry, 2020, 189, 112019.	2.6	42
46	Discovery of 3,6-disubstituted pyridazines as a novel class of anticancer agents targeting cyclin-dependent kinase 2: synthesis, biological evaluation and in silico insights. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1616-1630.	2.5	42
47	Benzofuran-Based Carboxylic Acids as Carbonic Anhydrase Inhibitors and Antiproliferative Agents against Breast Cancer. ACS Medicinal Chemistry Letters, 2020, 11, 1022-1027.	1.3	42
48	Development of certain new 2-substituted-quinazolin-4-yl-aminobenzenesulfonamide as potential antitumor agents. European Journal of Medicinal Chemistry, 2016, 109, 247-253.	2.6	41
49	Tyrosine kinase inhibition effects of novel Pyrazolo[1,5-a]pyrimidines and Pyrido[2,3-d]pyrimidines ligand: Synthesis, biological screening and molecular modeling studies. Bioorganic Chemistry, 2018, 78, 312-323.	2.0	41
50	A rhodamineâ€“quinoline based chemodosimeter capable of recognising endogenous OCl^{â^'} in human blood cells. RSC Advances, 2014, 4, 24881-24886.	1.7	40
51	Inhibition of human carbonic anhydrase isozymes I, II, IX and XII with a new series of sulfonamides incorporating aroylhydrazone-, [1,2,4]triazolo[3,4-b][1,3,4]thiadiazinyl- or 2-(cyanophenylmethylene)-1,3,4-thiadiazol-3(2H)-yl moieties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 52-56.	2.5	40
52	Charge-transfer complexes of cefpodoxime proxetil with chloranilic acid and 2,3-dichloro-5,6-dicyano-1,4-benzoquinone: Experimental and theoretical studies. Journal of Molecular Liquids, 2018, 257, 42-51.	2.3	40
53	Thiazolo[3,2-a]benzimidazoles: Synthetic Strategies, Chemical Transformations and Biological Activities. Molecules, 2010, 15, 3775-3815.	1.7	39
54	Analogue-based design, synthesis and biological evaluation of 3-substituted-(methylenehydrazono)indolin-2-ones as anticancerÂagents. European Journal of Medicinal Chemistry, 2014, 78, 275-280.	2.6	39

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55	Immunomodulatory and Anticancer Activities of Some Novel 2â€Substitutedâ€6â€bromoâ€3â€methylthiazolo[3,2â€a]benzimidazole Derivatives. Archiv Der Pharmazie, 2009, 342, 230-237.	2.1	38
56	Enaminones as Building Blocks in Heterocyclic Preparations: Synthesis of Novel Pyrazoles, Pyrazolo[3,4-d]pyridazines, Pyrazolo[1,5-a]pyrimidines, Pyrido[2,3-d]pyrimidines Linked to Imidazo[2,1-b]thiazole System. Heterocycles, 2012, 85, 2291.	0.4	38
57	Synthesis and Cytotoxic Activity of Biphenylurea Derivatives Containing Indolin-2-one Moieties. Molecules, 2016, 21, 762.	1.7	38
58	Synthesis, biological and molecular dynamics investigations with a series of triazolopyrimidine/triazole-based benzenesulfonamides as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2020, 185, 111843.	2.6	38
59	Novel 3-substituted coumarins as selective human carbonic anhydrase IX and XII inhibitors: Synthesis, biological and molecular dynamics analysis. European Journal of Medicinal Chemistry, 2021, 209, 112897.	2.6	38
60	Development of novel benzofuran-based SLC-0111 analogs as selective cancer-associated carbonic anhydrase isoform IX inhibitors. European Journal of Medicinal Chemistry, 2021, 216, 113283.	2.6	38
61	Synthesis of some new benzofuran-based thiophene, 1,3-oxathiole and 1,3,4-oxa(thia)diazole derivatives. Heteroatom Chemistry, 2007, 18, 294-300.	0.4	37
62	Synthesis of some novel pyrazolo[1,5â€a]pyrimidine, 1,2,4â€triazolo[1,5â€a]pyrimidine, pyrido[2,3â€d]pyrimidine, pyrazolo[5,1â€c]â€1,2,4â€triazine and 1,2,4â€triazolo[5,1â€c]â€1,2,4â€triazine derivatives incorporating a thiazolo[3,2â€a]benzimidazole moiety. Journal of Heterocyclic Chemistry, 2008, 45, 1033-1037.	1.4	37
63	Schiff Bases of Indoline-2,3-dione: Potential Novel Inhibitors of Mycobacterium Tuberculosis (Mtb) DNA Gyrase. Molecules, 2011, 16, 7864-7879.	1.7	37
64	Synthesis and Reactions of 3â€Methylthiazolo[3,2â€a]Benzimidazoleâ€2â€Carboxylic Acid Hydrazide: Synthesis of Some New Pyrazole, 1,3â€Thiazoline, 1,2,4â€Triazole and 1,2,4â€Triazolo[3,4â€b]â€1,3,4â€Thiadiazine Derivatives Pendant to Thiazolo[3,2â€a]Benzimidazole Moiety. Journal of the Chinese Chemical Society, 2007, 54, 1573-1582.	0.8	35
65	Synthesis of bulky-tailed sulfonamides incorporating pyrido[2,3- d][1,2,4]triazolo[4,3- a effects. Bioorganic and Medicinal Chemistry, 2017, 25, 2210-2217.	1.4	35
66	Synthesis, Biological Evaluation and In Silico Studies of Certain Oxindoleâ€“Indole Conjugates as Anticancer CDK Inhibitors. Molecules, 2020, 25, 2031.	1.7	35
67	Modulation of carcinogen metabolizing enzymes by new fused heterocycles pendant to 5,6,7,8-tetrahydronaphthalene derivatives. European Journal of Medicinal Chemistry, 2010, 45, 463-470.	2.6	33
68	Discovery of Potent Dual-Tailed Benzenesulfonamide Inhibitors of Human Carbonic Anhydrases Implicated in Glaucoma and in Vivo Profiling of Their Intraocular Pressure-Lowering Action. Journal of Medicinal Chemistry, 2020, 63, 3317-3326.	2.9	33
69	Synthesis and anticancer potential of certain novel 2-oxo-N'-(2-oxoindolin-3-ylidene)-2H-chromene-3-carbohydrazides. European Journal of Medicinal Chemistry, 2013, 70, 358-363.	2.6	32
70	Design, synthesis, topoisomerase I & II inhibitory activity, antiproliferative activity, and structureâ€“activity relationship study of pyrazoline derivatives: An ATP-competitive human topoisomerase IIÎ± catalytic inhibitor. Bioorganic and Medicinal Chemistry, 2016, 24, 1898-1908.	1.4	31
71	Development of certain novel N-(2-(2-(2-oxoindolin-3-ylidene)hydrazinecarbonyl)phenyl)-benzamides and 3-(2-oxoindolin-3-ylideneamino)-2-substituted quinazolin-4(3H)-ones as CFM-1 analogs: Design, synthesis, QSAR analysis and anticancer activity. European Journal of Medicinal Chemistry, 2015, 92, 191-201.	2.6	30
72	Development of novel isatinâ€“nicotinohydrazide hybrids with potent activity against susceptible/resistantMycobacterium tuberculosisand bronchitis causingâ€“bacteria. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 384-392.	2.5	30

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73	Synthesis of Diarylpyrazoles Containing a Phenylsulphone or Carbonitrile Moiety and their Chalcones as Possible Anti-Inflammatory Agents. Scientia Pharmaceutica, 2011, 79, 507-524.	0.7	29
74	Synthesis, Biological Evaluation and 2D-QSAR Study of Halophenyl Bis-Hydrazones as Antimicrobial and Antitubercular Agents. International Journal of Molecular Sciences, 2015, 16, 8719-8743.	1.8	29
75	New hydrazonoindolin-2-ones: Synthesis, exploration of the possible anti-proliferative mechanism of action and encapsulation into PLGA microspheres. PLoS ONE, 2017, 12, e0181241.	1.1	29
76	Isatin derivatives as broad-spectrum antiviral agents: the current landscape. Medicinal Chemistry Research, 2022, 31, 244-273.	1.1	28
77	Synthesis of Some 1,3-Thiazole, 1,3,4-Thiadiazole, Pyrazolo[5,1-c]-1,2,4-triazine, and 1,2,4-Triazolo[5,1-c]-1,2,4-triazine Derivatives Based on the Thiazolo[3,2-a]benzimidazole Moiety. Monatshefte FÃ¼r Chemie, 2007, 138, 1001-1010.	0.9	27
78	â€œA Sweet Combinationâ€• Developing Saccharin and Acesulfame K Structures for Selectively Targeting the Tumor-Associated Carbonic Anhydrases IX and XII. Journal of Medicinal Chemistry, 2020, 63, 321-333.	2.9	27
79	Synthesis of some new pyridazine, 1,2,4-triazine and 1,3,4-thiadiazole derivatives. Journal of Chemical Research, 2004, 2004, 808-810.	0.6	26
80	Design, synthesis and pharmacophoric model building of novel substituted nicotinic acid hydrazones with potential antiproliferative activity. Archives of Pharmacal Research, 2012, 35, 1543-1552.	2.7	25
81	3-Hydrazinoindolin-2-one derivatives: Chemical classification and investigation of their targets as anticancer agents. European Journal of Medicinal Chemistry, 2016, 122, 366-381.	2.6	25
82	Charge transfer complexes of brucine with chloranilic acid, 2,3-dichloro-5,6-dicyano-1,4-benzoquinone and tetracyanoquinodimethane: Synthesis, spectroscopic characterization and antimicrobial activity. Journal of Molecular Liquids, 2019, 286, 110754.	2.3	25
83	Synthesis, anti-inflammatory and neuroprotective activity of pyrazole and pyrazolo[3,4-d]pyridazine bearing 3,4,5-trimethoxyphenyl. Medicinal Chemistry Research, 2017, 26, 1557-1566.	1.1	24
84	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. European Journal of Medicinal Chemistry, 2021, 218, 113360.	2.6	24
85	Synthesis and anti-arrhythmic activity of some piperidine-based 1,3-thiazole, 1,3,4-thiadiazole, and 1,3-thiazolo[2,3-c]-1,2,4-triazole derivatives. Monatshefte FÃ¼r Chemie, 2009, 140, 431-437.	0.9	23
86	2-((Benzimidazol-2-yl)thio)-1-arylethan-1-ones: Synthesis, crystal study and cancer stem cells CD133 targeting potential. European Journal of Medicinal Chemistry, 2015, 104, 1-10.	2.6	22
87	Development of novel benzofuran-isatin conjugates as potential antiproliferative agents with apoptosis inducing mechanism in Colon cancer. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1423-1434.	2.5	22
88	Azoles and Azolo-Azines via 3-(3-Methylbenzofuran-2-Yl)-3-Oxopropanenitrile. Journal of Chemical Research, 2005, 2005, 378-381.	0.6	21
89	Synthesis of some new azole, pyrimidine, pyran, and benzo/naphtho[b]furan derivatives incorporating thiazolo[3,2â€a]benzimidazole moiety. Journal of Heterocyclic Chemistry, 2011, 48, 355-360.	1.4	21
90	Synthesis, Crystal Study, and Anti-Proliferative Activity of Some 2-Benzimidazolylthioacetophenones towards Triple-Negative Breast Cancer MDA-MB-468 Cells as Apoptosis-Inducing Agents. International Journal of Molecular Sciences, 2016, 17, 1221.	1.8	21

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91	Synthesis and biological evaluation of some novel thiobenzimidazole derivatives as anti-renal cancer agents through inhibition of c-MET kinase. Bioorganic Chemistry, 2019, 85, 337-348.	2.0	21
92	New benzimidazothiazole derivatives as anti-inflammatory, antitumor active agents: Synthesis, in-vitro and in-vivo screening and molecular modeling studies. Bioorganic Chemistry, 2019, 83, 250-261.	2.0	21
93	One-pot three-component synthesis of novel pyrazolo[3,4-b]pyridines as potent antileukemic agents. European Journal of Medicinal Chemistry, 2022, 227, 113952.	2.6	21
94	An improved synthesis of pyrido[2,3-d]pyrimidin-4(1H)-ones and their antimicrobial activity. Organic and Biomolecular Chemistry, 2018, 16, 3389-3395.	1.5	20
95	Synthesis and Biophysical Insights into the Binding of a Potent Anti-Proliferative Non-symmetric Bis-isatin Derivative with Bovine Serum Albumin: Spectroscopic and Molecular Docking Approaches. Applied Sciences (Switzerland), 2017, 7, 617.	1.3	19
96	Synthesis and anticancer activity of some pyrido[2,3-d]pyrimidine derivatives as apoptosis inducers and cyclin-dependent kinase inhibitors. Future Medicinal Chemistry, 2019, 11, 2395-2414.	1.1	19
97	Novel benzenesulfonamides aryl and arylsulfone conjugates adopting tail/dual tail approaches: Synthesis, carbonic anhydrase inhibitory activity and molecular modeling studies. European Journal of Medicinal Chemistry, 2021, 221, 113486.	2.6	19
98	Carbonic anhydrase inhibitors. Benzenesulfonamides incorporating cyanoacrylamide moieties strongly inhibit Saccharomyces cerevisiae Î²-carbonic anhydrase. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3570-3575.	1.0	18
99	Synthesis, inÂvitro biological evaluation and in silico studies of certain arylnicotinic acids conjugated with aryl (thio)semicarbazides as a novel class of anti-leishmanial agents. European Journal of Medicinal Chemistry, 2019, 179, 335-346.	2.6	18
100	Synthesis and in-vitro anti-proliferative evaluation of some pyrazolo[1,5-a]pyrimidines as novel larotrectinib analogs. Bioorganic Chemistry, 2020, 94, 103458.	2.0	18
101	Natural inspired piperine-based sulfonamides and carboxylic acids as carbonic anhydrase inhibitors: Design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2021, 225, 113800.	2.6	18
102	A Convenient Access to Functionalized Pyrazole, Pyrazolylâ€Azole, and Pyrazolo[3,4â€d]Pyridazine Derivatives. Journal of the Chinese Chemical Society, 2006, 53, 873-880.	0.8	17
103	One-Pot Synthesis of Enaminones Using Golds Reagent. Letters in Organic Chemistry, 2010, 7, 483-486.	0.2	16
104	Design, synthesis, anti-inflammatory antitumor activities, molecular modeling and molecular dynamics simulations of potential naprosynÂ® analogs as COX-1 and/or COX-2 inhibitors. Bioorganic Chemistry, 2018, 76, 188-201.	2.0	16
105	One-pot synthesis of spiro(indoline-3,4â€²-pyrazolo[3,4-b]pyridine)-5â€²-carbonitriles as p53-MDM2 interaction inhibitors. Future Medicinal Chemistry, 2018, 10, 2771-2789.	1.1	16
106	Novel benzofuran-based sulphonamides as selective carbonic anhydrases IX and XII inhibitors: synthesis and inÂvitro biological evaluation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 298-305.	2.5	16
107	Development of 4-((3-oxo-3-phenylpropyl)amino)benzenesulfonamide derivatives utilizing tail/dual-tail approaches as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2022, 238, 114412.	2.6	16
108	Schiff bases of indoline-2,3-dione (isatin) with potential antiproliferative activity. Chemistry Central Journal, 2012, 6, 49.	2.6	15

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109	Synthesis, Crystal Structure, and Biological Activity ofcis/transAmide Rotomers of (Z)-Nâ€²-(2-Oxoindolin-3-ylidene)formohydrazide. Journal of Chemistry, 2014, 2014, 1-7.	0.9	15
110	Synthesis, Biological Evaluation and Molecular Docking of Certain Sulfones as Potential Nonazole Antifungal Agents. Molecules, 2016, 21, 114.	1.7	15
111	Discovery of 2,4-thiazolidinedione-tethered coumarins as novel selective inhibitors for carbonic anhydrase IX and XII isoforms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 531-541.	2.5	15
112	Identification of 3-(piperazinylmethyl)benzofuran derivatives as novel type II CDK2 inhibitors: design, synthesis, biological evaluation, and in silico insights. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1227-1240.	2.5	15
113	Microwave-Assisted One-Step Synthesis of Fenamic Acid Hydrazides from the Corresponding Acids. Molecules, 2011, 16, 3544-3551.	1.7	14
114	Cancer stem cells CD133 inhibition and cytotoxicity of certain 3-phenylthiazolo[3,2-a]benzimidazoles: design, direct synthesis, crystal study and in vitro biological evaluation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 986-991.	2.5	14
115	Synthesis, X-ray crystal structure, Hirshfeld analysis and computational investigation of bis(methylthio)acrylonitrile with antimicrobial and docking evaluation. Journal of Molecular Structure, 2022, 1260, 132793.	1.8	14
116	Design, Synthesis, and Molecular Docking of 1-(1-(4-Chlorophenyl)-2-(phenylsulfonyl)ethylidene)-2-phenylhydrazine as Potent Nonazole Anticandidal Agent. Journal of Chemistry, 2014, 2014, 1-8.	0.9	13
117	Novel 6-Phenylnicotinohydrazide Derivatives: Design, Synthesis and Biological Evaluation as a Novel Class of Antitubercular and Antimicrobial Agents. Biological and Pharmaceutical Bulletin, 2017, 40, 1883-1893.	0.6	13
118	Novel quinazoline-based sulfonamide derivative (3D) induces apoptosis in colorectal cancer by inhibiting JAK2–STAT3 pathway. OncoTargets and Therapy, 2018, Volume 11, 3313-3322.	1.0	13
119	Novel 2-(5-Aryl-4,5-Dihydropyrazol-1-yl)thiazol-4-One as EGFR Inhibitors: Synthesis, Biological Assessment and Molecular Docking Insights. Drug Design, Development and Therapy, 0, Volume 16, 1457-1471.	2.0	13
120	Microwaveâ€assisted Synthesis of Novel 3,4â€Bisâ€chalconeâ€Nâ€arylpyrazoles and Their Antiâ€inflammatory Activity. Journal of the Chinese Chemical Society, 2011, 58, 863-868.	0.8	12
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