Ahmed M El-Agrody

List of Publications by Year
in descending order

84 papers	2,177 citations	257450 24 h-index	243625 44 g-index
88 all docs	88 docs citations	88 times ranked	1630 citing authors

#	Article	IF	Citations
1	Synthesis of halogen derivatives of benzo[h]chromene and benzo[a]anthracene with promising antimicrobial activities. Il Farmaco, 2002, 57, 715-722.	0.9	420
2	Synthesis of 4H-chromene, coumarin, 12H-chromeno[2,3-d]pyrimidine derivatives and some of their antimicrobial and cytotoxicity activities. European Journal of Medicinal Chemistry, 2011, 46, 765-772.	5.5	194
3	4-Hydroxycoumarin in heterocyclic synthesis. Il Farmaco, 2000, 55, 708-714.	0.9	149
4	Synthesis and antimicrobial activities of novel naphtho[2,1-b]pyran, pyrano[2,3-d]pyrimidine and pyrano[3,2-e][1,2,4]triazolo[2,3-c]-pyrimidine derivatives. Il Farmaco, 2001, 56, 965-973.	0.9	115
5	Synthesis of Hydroxyquinoline Derivatives, Aminohydroxychromene, Aminocoumarin and Their Antibacterial Activities. Heterocycles, 2004, 63, 1793.	0.7	58
6	Studies on the synthesis, in vitro antitumor activity of 4H-benzo[h]chromene, 7H-benzo[h]chromene[2,3-d]pyrimidine derivatives and structureâ€“activity relationships of the 2-,3- and 2,3-positions. Medicinal Chemistry Research, 2014, 23, 3187-3199.	2.4	55
7	Synthesis, antitumor activity, and structureâ€“activity relationship of some 4H-pyrano[3,2-h]quinoline and 7H-pyrimido[4â€²,5â€²:6,5]pyrano[3,2-h]quinoline derivatives. Medicinal Chemistry Research, 2013, 22, 1339-1355.	2.4	43
8	Design of New Benzo[h]chromene Derivatives: Antitumor Activities and Structure-Activity Relationships of the 2,3-Positions and Fused Rings at the 2,3-Positions. Molecules, 2017, 22, 479.	3.8	42
9	The anti-proliferative activity of novel 4H-benzo[h]chromenes, 7H-benzo[h]-chromeno[2,3-d]pyrimidines and the structureâ€“activity relationships of the 2-, 3-positions and fused rings at the 2, 3-positions. Journal of Saudi Chemical Society, 2017, 21, 82-90.	5.2	41
10	Antiproliferative effect, cell cycle arrest and apoptosis generation of novel synthesized anticancer heterocyclic derivatives based 4H-benzo[h]chromene. Bioorganic Chemistry, 2019, 87, 560-571.	4.1	40
11	Introducing novel potent anticancer agents of1H-benzo[f]chromene scaffolds, targetingc-Srckinase enzyme with MDA-MB-231 cell line anti-invasion effect. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1074-1088.	5.2	38
12	Synthesis, characterization and DFT study of 4H-benzo[h]chromene derivatives. Journal of Molecular Structure, 2012, 1018, 171-175.	3.6	37
13	Anticancer activities, molecular docking and structureâ€“activity relationship of novel synthesized 4H-chromene, and 5H-chromeno[2,3-d]pyrimidine candidates. Medicinal Chemistry Research, 2017, 26, 2624-2638.	2.4	34
14	Synthesis, antitumor activity of 2-amino-4H-benzo[h]chromene derivatives, and structureâ€“activity relationships of the 3- and 4-positions. Medicinal Chemistry Research, 2013, 22, 6105-6120.	2.4	31
15	Design and Synthesis of Novel Heterocyclic-Based 4H-benzo[h]chromene Moieties: Targeting Antitumor Caspase 3/7 Activities and Cell Cycle Analysis. Molecules, 2019, 24, 1060.	3.8	31
16	Developing lipophilic aromatic halogenated fused systems with specific ring orientations, leading to potent anticancer analogs and targeting the c-Src Kinase enzyme. Journal of Molecular Structure, 2019, 1186, 212-223.	3.6	29
17	Synthesis, Biological Evaluation and Molecular Docking Studies of 4Hbenzo[h]chromenes, 7H-benzo[h]chromeno[2,3-d]pyrimidines as Antitumor Agents. Letters in Drug Design and Discovery, 2015, 13, 77-88.	0.7	28
18	Halogenated 2-amino-4H-benzo[h]chromene derivatives as antitumor agents and the relationship between lipophilicity and antitumor activity. Medicinal Chemistry Research, 2017, 26, 691-700.	2.4	28

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19	Structural Characterization and Antimicrobial Activities of 7H-Benzo[h]chromeno[2,3-d]pyrimidine and 14H-Benzo[h]chromeno[3,2-e][1,2,4]triazolo[1,5-c] pyrimidine Derivatives. Molecules, 2016, 21, 1450.	3.8	27
20	Synthesis, Cytotoxic Activity, Crystal Structure, DFT Studies and Molecular Docking of 3-Amino-1-(2,5-dichlorophenyl)-8-methoxy-1H-benzo[f]chromene-2-carbonitrile. Crystals, 2021, 11, 184.	2.2	27
21	Synthesis and antimicrobial activities of 2-substituted 12H-chromeno[3,2-e][1,2,4]triazolo[1,5-c]pyrimidines, 3-ethoxycarbonyl-12H-chromeno[3,2-e][1,2,4]triazolo[1,5-c] pyrimidine-2-one and ethyl 2-formylamino- and 2-acetylamino-4H-chromene-3-carboxylates. Journal of Chemical Research, 2011, 35, 77-82.	1.3	26
22	Synthesis, Reactions and Antimicrobial Activities of 8-Ethoxycoumarin Derivatives. Molecules, 2012, 17, 971-988.	3.8	26
23	Microwave assisted synthesis of 2-amino-6-methoxy-4H-benzo[h]chromene derivatives. European Journal of Chemistry, 2014, 5, 133-137.	0.6	26
24	Novel molecular discovery of promising amidine-based thiazole analogues as potent dual Matrix Metalloproteinase-2 and 9 inhibitors: Anticancer activity data with prominent cell cycle arrest and DNA fragmentation analysis effects. Bioorganic Chemistry, 2020, 101, 103992.	4.1	26
25	In vitro anticancer activity of pyrano[3, 2-c]chromene derivatives with both cell cycle arrest and apoptosis induction. Medicinal Chemistry Research, 2020, 29, 617-629.	2.4	26
26	Activated Nitriles in Heterocyclic Synthesis: Synthesis ofPyrano[2,3-d]pyrimidine andPyrano[3,2-e][1,2,4]triazolo[1,5-c]pyrimidineDerivatives. Journal of Chemical Research Synopses, 1997, , 320-321.	0.3	25
27	Synthesis and characterization of new diiodocoumarin derivatives with promising antimicrobial activities. Beilstein Journal of Organic Chemistry, 2011, 7, 1688-1696.	2.2	24
28	Synthesis and Biological Screening of 4-Benzyl-2H-phthalazine Derivatives. Pharmaceuticals, 2011, 4, 1158-1170.	3.8	24
29	Synthesis and antitumor activities of certain novel 2-amino-9-(4-halostyryl)-4H-pyrano[3,2-h]quinoline derivatives. Medicinal Chemistry Research, 2012, 21, 4200-4213.	2.4	24
30	Benzo[f]â€•and Benzo[h]Coumarinâ€Containing Poly(methyl methacrylate)s and Poly(methyl) Tj ETQq0 0 0 rgBT /Overloc 2008, 209, 84-103.	2.2	23
31	Synthesis, in-vitro cytotoxicity of 4H-benzo[h]chromene derivatives and structureâ€“activity relationships of 4-aryl group and 3-, 7-positions. Chemical Papers, 2016, 70, .	2.2	22
32	Synthesis, anticancer evaluation and molecular docking studies of new heterocycles linked to sulfonamide moiety as novel human topoisomerase types I and II poisons. Bioorganic Chemistry, 2020, 98, 103725.	4.1	22
33	Synthesis of novel coumarin and benzocoumarin derivatives and their biological and photophysical studies. Journal of Heterocyclic Chemistry, 2007, 44, 1287-1301.	2.6	20
34	Synthesis of certain novel 4H-pyrano[3,2-h]quinoline derivatives. Arkivoc, 2011, 2011, 134-146.	0.5	20
35	Synthesis and Antitumor Activities of 4H-Pyrano[3,2-h]quinoline-3-carbonitrile, 7H-Pyrimido[4',5':6,5]pyrano[3,2-h]quinoline, and 14HPyrimido[4',5':6,5]pyrano[3,2-h][1,2,4]triazolo[1,5-c]quinoline Derivatives. Letters in Drug Design and Discovery, 2012, 9, 459-470.	0.7	19
36	Synthesis of diverse amide linked bis-indoles and indole derivatives bearing coumarin-based moiety: cytotoxicity and molecular docking investigations. Medicinal Chemistry Research, 2018, 27, 796-806.	2.4	19

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37	Synthesis of 1,4-dihydropyrano[2,3-c]pyrazole derivatives and exploring molecular and cytotoxic properties based on DFT and molecular docking studies. Journal of Molecular Structure, 2022, 1249, 131555.	3.6	18
38	Synthesis of 9-Methoxy and 9-Acetoxy-3-amino-1-(4-methoxyphenyl)-1H-benzo[f]chromene-2-carbonitriles via 2-(Imino-piperidin-1-yl-methyl)-3-(4-methoxyphenyl)acrylonitrile as Intermediate. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 579-585.	0.7	17
39	Microwave synthesis of novel halogenated Î²-enaminonitriles linked 9-bromo-1H-benzo[f]chromene moieties: Induces cell cycle arrest and apoptosis in human cancer cells via dual inhibition of topoisomerase I and II. Bioorganic Chemistry, 2019, 93, 103289.	4.1	17
40	A proficient microwave synthesis with structure elucidation and the exploitation of the biological behavior of the newly halogenated 3-amino-1H-benzo[f]chromene molecules, targeting dual inhibition of topoisomerase II and microtubules. Bioorganic Chemistry, 2020, 95, 103549.	4.1	16
41	Synthesis, Structure-Activity Relationship (SAR) Studies on some 4-Aryl-4Hchromenes and Relationship between Lipophilicity and Antitumor Activity. Letters in Drug Design and Discovery, 2014, 11, 1167-1176.	0.7	16
42	Synthesis and Antimicrobial Activity of Thioxopyrimidines and Related Derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 2006, 181, 839-864.	1.6	15
43	The chemical reactivity of naphthols and their derivatives toward Î±-cyanocinnamonitriles and ethyl Î±-cyanocinnamates: A review of synthesis, reactions and applications of naphthopyrano. European Journal of Chemistry, 2013, 4, 467-483.	0.6	14
44	New bioactive compounds from the marine-derived actinomycete Nocardiopsis lucentensis sp. ASMR2. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 351-360.	0.7	14
45	Synthesis, Characterization, Biological Activity of Novel 1H-benzo[f]- chromene and 12H-benzo[f]chromeno[2,3-d]pyrimidine Derivatives. Letters in Drug Design and Discovery, 2018, 15, 857-865.	0.7	14
46	Synthesis, inÂvitro cytotoxicity activity against the human cervix carcinoma cell line and in silico computational predictions of new 4-arylamino-3-nitrocoumarin analogues. Journal of Molecular Structure, 2020, 1200, 127047.	3.6	13
47	Synthesis and evaluation of antitumor activity of 9-methoxy-1H-benzo[f]chromene derivatives. Bioorganic Chemistry, 2021, 116, 105402.	4.1	12
48	The Reactivity of 8-Hydroxyquinoline and Its Derivatives Toward Î±-Cyanocinnamonitriles and Ethyl Î±-Cyanocinnamates: Synthesis, Reactions, and Applications of 4H-Pyrano[3,2-h]quinoline Derivatives. Heterocycles, 2014, 89, 1557.	0.7	11
49	Synthesis of Î²-Enaminonitrile-Linked 8-Methoxy-1H-Benzo[f]Chromene Moieties and Analysis of Their Antitumor Mechanisms. Frontiers in Chemistry, 2021, 9, 759148.	3.6	11
50	Synthesis, biological activity and molecular modeling study of new Schiff bases incorporated with indole moiety. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2017, 72, 467-475.	1.4	10
51	Rational Design and Synthesis of Diverse Pyrimidine Molecules Bearing Sulfonamide Moiety as Novel ERK Inhibitors. International Journal of Molecular Sciences, 2019, 20, 5592.	4.1	10
52	Targeted potent antimicrobial benzochromene-based analogues: Synthesis, computational studies, and inhibitory effect against 14Î±-Demethylase and DNA Gyrase. Bioorganic Chemistry, 2020, 105, 104387.	4.1	10
53	Discovery of novel rigid analogs of 2-naphthol with potent anticancer activity through multi-target topoisomerase I & II and tyrosine kinase receptor EGFR & VEGFR-2 inhibition mechanism. Chemico-Biological Interactions, 2022, 355, 109838.	4.0	9
54	2-Amino-4-(4-fluorophenyl)-6-methoxy-4H-benzo[h]chromene-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1934-o1935.	0.2	8

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55	Cell cycle arrest and induction of apoptosis of newly synthesized pyranoquinoline derivatives under microwave irradiation. Medicinal Chemistry Research, 2019, 28, 668-680.	2.4	7
56	Synthesis and Reactions of Some New Benzylphthalazin-1-ylaminophenols, 2H-Chromene and 5H-Chromeno[2,3-d]pyrimidine Derivatives with Promising Antimicrobial Activities. Letters in Organic Chemistry, 2012, 9, 360-367.	0.5	5
57	Ethyl 2-amino-4-(4-fluorophenyl)-6-methoxy-4H-benzo[h]chromene-3-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1803-o1804.	0.2	5
58	Synthesis and biological activities of new bis-indole derivatives via microwave irradiation. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 639-646.	0.7	5
59	New naturally occurring phenolic derivatives from marine Nocardiopsis sp. AS23C: Structural elucidation and in silico computational studies. Vietnam Journal of Chemistry, 2019, 57, 164-174.	0.8	5
60	The Crystal Structure of 2-Amino-4-(2,3-Dichlorophenyl)-6-Methoxy-4H-Benzo[h]chromene-3-Carbonitrile: Antitumor and Tyrosine Kinase Receptor Inhibition Mechanism Studies. Crystals, 2022, 12, 737.	2.2	5
61	The Crystal Structure of 3-Amino-1-(4-Chlorophenyl)-9-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile: Antimicrobial Activity and Docking Studies. Crystals, 2022, 12, 982.	2.2	5
62	3-Amino-1-(4-fluorophenyl)-7-methoxy-1H-benzo[f]chromene-2-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o478-o479.	0.2	4
63	2-(4-Fluorobenzylidene)propanedinitrile: monoclinic polymorph. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o515-o515.	0.2	4
64	Crystal structure of 3-amino-1-(4-bromophenyl)-9-methoxy-1H-benzo[f]chromene-2-carbonitrile, C₂₁H₁₅BrN₂O₂. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 561-563.	0.3	4
65	Synthesis, characterization, anti-proliferative activity and DFT study of 1H-benzo[f]chromene-2-carbothioamide derivatives. Journal of Molecular Structure, 2021, 1240, 130542.	3.6	4
66	3-Amino-1-(4-fluorophenyl)-8-methoxy-1H-benzo[f]chromene-2-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o476-o477.	0.2	4
67	Synthesis, reactions and biological evaluation of benzyltriazolophthalazine derivatives. European Journal of Chemistry, 2013, 4, 10-19.	0.6	3
68	Metal-free domino amination-Knoevenagel condensation approach to access new coumarins as potent nanomolar inhibitors of VEGFR-2 and EGFR. Green Chemistry Letters and Reviews, 2021, 14, 578-599.	4.7	3
69	Evaluation of the Antimicrobial Activity of Some 4H-Pyrano[3,2-h]-quinoline,7H-Pyrimido[4',5':6,5]pyrano[3,2-h]quinoline Derivatives. Letters in Drug Design and Discovery, 2013, 10, 758-775.	0.7	3
70	X-ray Characterization and Antimicrobial Activity of Synthesized New 3-Amino-8-Bromo-1-(3,4-dimethoxyphenyl)-1H-Benzo[f] Chromene-2-Carbonitrile. Journal of Computational and Theoretical Nanoscience, 2017, 14, 3924-3929.	0.4	2
71	Synthesis, Molecular Properties and Evaluation of the Antitumor Activity of 2-Amino-6-Methoxy-4H-Benzo[h]Chromenes, 6-Methoxy-2-Oxo-2HBenzo[h]Chromene. Current Bioactive Compounds, 2017, 13, .	0.5	2
72	Synthesis, X-ray Characterization and Antimicrobial Activity of 3-Amino-1-(2,4-dichlorophenyl)-8-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile. Journal of Computational and Theoretical Nanoscience, 2017, 14, 5717-5721.	0.4	2

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73	2-Amino-4-(4-bromophenyl)-6-methoxy-4H-benzo[h]chromene-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o480-o481.	0.2	1
74	Crystal structure of 3-amino-9-methoxy-1-phenyl-1H-benzo[f]chromene-2-carbonitrile, C21H16N2O2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 1193-1195.	0.3	1
75	Crystal structure of 3-amino-8-methoxy-1-phenyl-1H-benzo[f]chromene-2-carbonitrile, C₂₁H₁₆N₂O₂. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 497-499.	0.3	1
76	Crystal structure of 3-amino-8-methoxy-1-(4-methoxy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 Td (phenyl)-1H-benzo[f]c C₂₂H₁₈N₂O₃. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 567-569.	0.3	1
77	Spectroscopic Data, Single X-ray and Antimicrobial Activity of Microwave Synthesized 3-Amino-8-Bromo-1-(2,5-dichlorophenyl)-1H-Benzo[f]Chromene-2-Carbonitrile. Journal of Computational and Theoretical Nanoscience, 2017, 14, 3831-3836.	0.4	1
78	Crystal Structure and Spectral Studies of 3-Amino-9-Methoxy-1-(4-methoxyphenyl)-1H-Benzo[f]Chromene-2-Carbonitrile. Journal of Computational and Theoretical Nanoscience, 2018, 15, 1835-1838.	0.4	1
79	Synthesis, reactions, of naphtho[2,1-b]furan derivatives and antimicrobial activity. Journal of Analytical & Pharmaceutical Research, 2018, 7, .	1.0	1
80	Ethyl 2-amino-4-(4-bromophenyl)-6-methoxy-4H-benzo[h]chromene-3-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o435-o436.	0.2	1
81	X-ray Characterizations of New Synthesized 3-Amino-1-(2,6-difluorophenyl)-8-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile. Journal of Computational and Theoretical Nanoscience, 2017, 14, 3994-3999.	0.4	1
82	Synthesis of Halogen Derivatives of Benzo[h]chromene and Benzo[a]anthracene with Promising Antimicrobial Activities.. ChemInform, 2003, 34, no.	0.0	0
83	Nâ€²-[3-Cyano-4-(4-fluorophenyl)-6-methoxy-4H-benzo[h]chromen-2-yl]-N,N-dimethylmethanimidamide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o482-o483.	0.2	0
84	2-Amino-4-(4-chlorophenyl)-4H-chromeno[8,7-b]pyridine-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o462-o463.	0.2	0