

Ahmed M El-Agrody

List of Publications by Year in descending order

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84
papers

2,177
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293460

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274796

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docs citations

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1826
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 1,4-dihydropyrano[2,3-c]pyrazole derivatives and exploring molecular and cytotoxic properties based on DFT and molecular docking studies. <i>Journal of Molecular Structure</i> , 2022, 1249, 131555.	1.8	18
2	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. <i>Chemico-Biological Interactions</i> , 2022, 355, 109838.	1.7	9
3	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. <i>Crystals</i> , 2022, 12, 737.	1.0	5
4	The Crystal Structure of 3-Amino-1-(4-Chlorophenyl)-9-Methoxy-1H-Benzo[f]Chromene-2-Carbonitrile: Antimicrobial Activity and Docking Studies. <i>Crystals</i> , 2022, 12, 982.	1.0	5
5	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. <i>Crystals</i> , 2021, 11, 184.	1.0	27
6	Metal-free domino amination-Knoevenagel condensation approach to access new coumarins as potent nanomolar inhibitors of VEGFR-2 and EGFR. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 578-599.	2.1	3
7	Synthesis, characterization, anti-proliferative activity and DFT study of 1H-benzo[f]chromene-2-carbothioamide derivatives. <i>Journal of Molecular Structure</i> , 2021, 1240, 130542.	1.8	4
8	Synthesis and evaluation of antitumor activity of 9-methoxy-1H-benzo[f]chromene derivatives. <i>Bioorganic Chemistry</i> , 2021, 116, 105402.	2.0	12
9	Synthesis of $\hat{1}^2$ -Enaminonitrile-Linked 8-Methoxy-1H-Benzo[f]Chromene Moieties and Analysis of Their Antitumor Mechanisms. <i>Frontiers in Chemistry</i> , 2021, 9, 759148.	1.8	11
10	Synthesis, in vitro cytotoxicity activity against the human cervix carcinoma cell line and in silico computational predictions of new 4-arylamino-3-nitrocoumarin analogues. <i>Journal of Molecular Structure</i> , 2020, 1200, 127047.	1.8	13
11	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. <i>Bioorganic Chemistry</i> , 2020, 95, 103549.	2.0	16
12	Targeted potent antimicrobial benzochromene-based analogues: Synthesis, computational studies, and inhibitory effect against 14α -Demethylase and DNA Gyrase. <i>Bioorganic Chemistry</i> , 2020, 105, 104387.	2.0	10
13	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. <i>Bioorganic Chemistry</i> , 2020, 101, 103992.	2.0	26
14	Synthesis, anticancer evaluation and molecular docking studies of new heterocycles linked to sulfonamide moiety as novel human topoisomerase types I and II poisons. <i>Bioorganic Chemistry</i> , 2020, 98, 103725.	2.0	22
15	In vitro anticancer activity of pyrano[3, 2-c]chromene derivatives with both cell cycle arrest and apoptosis induction. <i>Medicinal Chemistry Research</i> , 2020, 29, 617-629.	1.1	26
16	Rational Design and Synthesis of Diverse Pyrimidine Molecules Bearing Sulfonamide Moiety as Novel ERK Inhibitors. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5592.	1.8	10
17	Microwave synthesis of novel halogenated $\hat{1}^2$ -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. <i>Bioorganic Chemistry</i> , 2019, 93, 103289.	2.0	17
18	Cell cycle arrest and induction of apoptosis of newly synthesized pyranoquinoline derivatives under microwave irradiation. <i>Medicinal Chemistry Research</i> , 2019, 28, 668-680.	1.1	7

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19	Developing lipophilic aromatic halogenated fused systems with specific ring orientations, leading to potent anticancer analogs and targeting the c-Src Kinase enzyme. <i>Journal of Molecular Structure</i> , 2019, 1186, 212-223.	1.8	29
20	Design and Synthesis of Novel Heterocyclic-Based 4H-benzo[h]chromene Moieties: Targeting Antitumor Caspase 3/7 Activities and Cell Cycle Analysis. <i>Molecules</i> , 2019, 24, 1060.	1.7	31
21	Antiproliferative effect, cell cycle arrest and apoptosis generation of novel synthesized anticancer heterocyclic derivatives based 4H-benzo[h]chromene. <i>Bioorganic Chemistry</i> , 2019, 87, 560-571.	2.0	40
22	New naturally occurring phenolic derivatives from marine <i>Nocardiopsis</i> sp. AS23C: Structural elucidation and in silico computational studies. <i>Vietnam Journal of Chemistry</i> , 2019, 57, 164-174.	0.7	5
23	Synthesis of diverse amide linked bis-indoles and indole derivatives bearing coumarin-based moiety: cytotoxicity and molecular docking investigations. <i>Medicinal Chemistry Research</i> , 2018, 27, 796-806.	1.1	19
24	Introducing novel potent anticancer agents of 1H-benzo[f]chromene scaffolds, targeting c-Src kinase enzyme with MDA-MB-231 cell line anti-invasion effect. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1074-1088.	2.5	38
25	Crystal Structure and Spectral Studies of 3-Amino-9-Methoxy-1-(4-methoxyphenyl)-1H-Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , 2018, 15, 1835-1838.	0.4	1
26	Synthesis, reactions, of naphtho[2,1-b]furan derivatives and antimicrobial activity. <i>Journal of Analytical & Pharmaceutical Research</i> , 2018, 7, .	0.3	1
27	Synthesis, Characterization, Biological Activity of Novel 1H-benzo[f]-chromene and 12H-benzo[f]chromeno[2,3-d]pyrimidine Derivatives. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 857-865.	0.4	14
28	The anti-proliferative activity of novel 4H-benzo[h]chromenes, 7H-benzo[h]-chromeno[2,3-d]pyrimidines and the structure-activity relationships of the 2-, 3-positions and fused rings at the 2, 3-positions. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 82-90.	2.4	41
29	Halogenated 2-amino-4H-benzo[h]chromene derivatives as antitumor agents and the relationship between lipophilicity and antitumor activity. <i>Medicinal Chemistry Research</i> , 2017, 26, 691-700.	1.1	28
30	Crystal structure of 3-amino-8-methoxy-1-phenyl-1H-benzo[f]chromene-2-carbonitrile, C ₂₁ H ₁₆ N ₂ O ₂ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2017, 232, 497-499.	0.1	1
31	New bioactive compounds from the marine-derived actinomycete <i>Nocardiopsis lucentensis</i> sp. ASMR2. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 351-360.	0.3	14
32	Synthesis, biological activity and molecular modeling study of new Schiff bases incorporated with indole moiety. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2017, 72, 467-475.	0.6	10
33	Crystal structure of 3-amino-8-methoxy-1-(4-methoxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (phenyl)-1H-benzo[f]chromene-2-carbonitrile, C ₂₂ H ₁₈ N ₂ O ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2017, 232, 567-569.	0.1	1
34	Synthesis and biological activities of new bis-indole derivatives via microwave irradiation. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 639-646.	0.3	5
35	Crystal structure of 3-amino-1-(4-bromophenyl)-9-methoxy-1H-benzo[f]chromene-2-carbonitrile, C ₂₁ H ₁₅ BrN ₂ O ₂ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2017, 232, 561-563.	0.1	4
36	Anticancer activities, molecular docking and structure-activity relationship of novel synthesized 4H-chromene, and 5H-chromeno[2,3-d]pyrimidine candidates. <i>Medicinal Chemistry Research</i> , 2017, 26, 2624-2638.	1.1	34

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37	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. <i>Molecules</i> , 2017, 22, 479.	1.7	42
38	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. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 3831-3836.	0.4	1
39	X-ray Characterization and Antimicrobial Activity of Synthesized New 3-Amino-8-Bromo-1-(3,4-dimethoxyphenyl)-1H-Benzo[f] Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 3924-3929.	0.4	2
40	X-ray Characterizations of New Synthesized 3-Amino-1-(2,6-difluorophenyl)-8-Methoxy-1 <i>H</i> -Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 3994-3999.	0.4	1
41	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. <i>Current Bioactive Compounds</i> , 2017, 13, .	0.2	2
42	Synthesis, X-ray Characterization and Antimicrobial Activity of 3-Amino-1-(2,4-dichlorophenyl)-8-Methoxy-1 <i>H</i> -Benzo[f]Chromene-2-Carbonitrile. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 5717-5721.	0.4	2
43	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. <i>Molecules</i> , 2016, 21, 1450.	1.7	27
44	Crystal structure of 3-amino-9-methoxy-1-phenyl-1H-benzo[f]chromene-2-carbonitrile, C ₂₁ H ₁₆ N ₂ O ₂ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016, 231, 1193-1195.	0.1	1
45	Synthesis, in-vitro cytotoxicity of 4H-benzo[h]chromene derivatives and structure-activity relationships of 4-aryl group and 3-, 7-positions. <i>Chemical Papers</i> , 2016, 70, .	1.0	22
46	Synthesis, Biological Evaluation and Molecular Docking Studies of 4Hbenzo[h]chromenes, 7H-benzo[h]chromeno[2,3-d]pyrimidines as Antitumor Agents. <i>Letters in Drug Design and Discovery</i> , 2015, 13, 77-88.	0.4	28
47	Microwave assisted synthesis of 2-amino-6-methoxy-4H-benzo[h]chromene derivatives. <i>European Journal of Chemistry</i> , 2014, 5, 133-137.	0.3	26
48	Studies on the synthesis, in vitro antitumor activity of 4H-benzo[h]chromene, 7H-benzo[h]chromene[2,3-d]pyrimidine derivatives and structure-activity relationships of the 2-,3- and 2,3-positions. <i>Medicinal Chemistry Research</i> , 2014, 23, 3187-3199.	1.1	55
49	The Reactivity of 8-Hydroxyquinoline and Its Derivatives Toward β -Cyanocinnamitriles and Ethyl β -Cyanocinnamates: Synthesis, Reactions, and Applications of 4H-Pyrano[3,2-h]quinoline Derivatives. <i>Heterocycles</i> , 2014, 89, 1557.	0.4	11
50	Synthesis, Structure-Activity Relationship (SAR) Studies on some 4-Aryl-4Hchromenes and Relationship between Lipophilicity and Antitumor Activity. <i>Letters in Drug Design and Discovery</i> , 2014, 11, 1167-1176.	0.4	16
51	Synthesis, antitumor activity, and structure-activity relationship of some 4H-pyrano[3,2-h]quinoline and 7H-pyrimido[4,5:6,5]pyrano[3,2-h]quinoline derivatives. <i>Medicinal Chemistry Research</i> , 2013, 22, 1339-1355.	1.1	43
52	Synthesis, antitumor activity of 2-amino-4H-benzo[h]chromene derivatives, and structure-activity relationships of the 3- and 4-positions. <i>Medicinal Chemistry Research</i> , 2013, 22, 6105-6120.	1.1	31
53	N ² -[3-Cyano-4-(4-fluorophenyl)-6-methoxy-4H-benzo[h]chromen-2-yl]-N,N-dimethylmethanimidamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o482-o483.	0.2	0
54	The chemical reactivity of naphthols and their derivatives toward β -cyanocinnamitriles and ethyl β -cyanocinnamates: A review of synthesis, reactions and applications of naphthopyrano. <i>European Journal of Chemistry</i> , 2013, 4, 467-483.	0.3	14

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55	Synthesis, reactions and biological evaluation of benzyltriazolophthalazine derivatives. <i>European Journal of Chemistry</i> , 2013, 4, 10-19.	0.3	3
56	3-Amino-1-(4-fluorophenyl)-7-methoxy-1H-benzo[f]chromene-2-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o478-o479.	0.2	4
57	2-Amino-4-(4-bromophenyl)-6-methoxy-4H-benzo[h]chromene-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o480-o481.	0.2	1
58	2-(4-Fluorobenzylidene)propanedinitrile: monoclinic polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o515-o515.	0.2	4
59	3-Amino-1-(4-fluorophenyl)-8-methoxy-1H-benzo[f]chromene-2-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o476-o477.	0.2	4
60	Evaluation of the Antimicrobial Activity of Some 4H-Pyrano[3,2-h]-quinoline, 7H-Pyrimido[4,5-b:6,5]pyrano[3,2-h]quinoline Derivatives. <i>Letters in Drug Design and Discovery</i> , 2013, 10, 758-775.	0.4	3
61	Ethyl 2-amino-4-(4-bromophenyl)-6-methoxy-4H-benzo[h]chromene-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o435-o436.	0.2	1
62	2-Amino-4-(4-chlorophenyl)-4H-chromeno[8,7-b]pyridine-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o462-o463.	0.2	0
63	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. <i>Letters in Drug Design and Discovery</i> , 2012, 9, 459-470.	0.4	19
64	Synthesis and Reactions of Some New Benzylphthalazin-1-ylaminophenols, 2H-Chromene and 5H-Chromeno[2,3-d]pyrimidine Derivatives with Promising Antimicrobial Activities. <i>Letters in Organic Chemistry</i> , 2012, 9, 360-367.	0.2	5
65	Ethyl 2-amino-4-(4-fluorophenyl)-6-methoxy-4H-benzo[h]chromene-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1803-o1804.	0.2	5
66	2-Amino-4-(4-fluorophenyl)-6-methoxy-4H-benzo[h]chromene-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1934-o1935.	0.2	8
67	Synthesis and antitumor activities of certain novel 2-amino-9-(4-halostyryl)-4H-pyrano[3,2-h]quinoline derivatives. <i>Medicinal Chemistry Research</i> , 2012, 21, 4200-4213.	1.1	24
68	Synthesis, characterization and DFT study of 4H-benzo[h]chromene derivatives. <i>Journal of Molecular Structure</i> , 2012, 1018, 171-175.	1.8	37
69	Synthesis, Reactions and Antimicrobial Activities of 8-Ethoxycoumarin Derivatives. <i>Molecules</i> , 2012, 17, 971-988.	1.7	26
70	Synthesis and characterization of new diiodocoumarin derivatives with promising antimicrobial activities. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1688-1696.	1.3	24
71	Synthesis of 4H-chromene, coumarin, 12H-chromeno[2,3-d]pyrimidine derivatives and some of their antimicrobial and cytotoxicity activities. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 765-772.	2.6	194
72	Synthesis and Biological Screening of 4-Benzyl-2H-phthalazine Derivatives. <i>Pharmaceuticals</i> , 2011, 4, 1158-1170.	1.7	24

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73	Synthesis and antimicrobial activities of 2-substituted 12 <i>H</i> -chromeno[3,2- <i>e</i>][1,2,4]triazolo[1,5- <i>c</i>]pyrimidines, 3-ethoxycarbonyl-12 <i>H</i> -chromeno[3,2- <i>e</i>][1,2,4]triazolo[1,5- <i>c</i>]pyrimidine-2-one and ethyl 2-formylamino- and 2-acetylamino-4 <i>H</i> -chromene-3-carboxylates. <i>Journal of Chemical Research</i> , 2011, 35, 77-83.	0.6	26
74	Synthesis of certain novel 4 <i>H</i> -pyrano[3,2- <i>h</i>]quinoline derivatives. <i>Arkivoc</i> , 2011, 2011, 134-146.	0.3	20
75	Benzo[<i>f</i>] and Benzo[<i>h</i>]Coumarin Containing Poly(methyl methacrylate)s and Poly(methyl Tj ETQq1 1 0.784314 rg 2008, 209, 84-103.	1.1	23
76	Synthesis of novel coumarin and benzocoumarin derivatives and their biological and photophysical studies. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 1287-1301.	1.4	20
77	Synthesis and Antimicrobial Activity of Thioxopyrimidines and Related Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2006, 181, 839-864.	0.8	15
78	Synthesis of Hydroxyquinoline Derivatives, Aminohydroxychromene, Aminocoumarin and Their Antibacterial Activities. <i>Heterocycles</i> , 2004, 63, 1793.	0.4	58
79	Synthesis of Halogen Derivatives of Benzo[<i>h</i>]chromene and Benzo[<i>a</i>]anthracene with Promising Antimicrobial Activities.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
80	Synthesis of 9-Methoxy and 9-Acetoxy-3-amino-1-(4-methoxyphenyl)-1 <i>H</i> -benzo[<i>f</i>]chromene-2-carbonitriles via 2-(Imino-piperidin-1-yl-methyl)-3-(4-methoxyphenyl)acrylonitrile as Intermediate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 579-585.	0.3	17
81	Synthesis of halogen derivatives of benzo[<i>h</i>]chromene and benzo[<i>a</i>]anthracene with promising antimicrobial activities. <i>Il Farmaco</i> , 2002, 57, 715-722.	0.9	420
82	Synthesis and antimicrobial activities of novel naphtho[2,1- <i>b</i>]pyran, pyrano[2,3- <i>d</i>]pyrimidine and pyrano[3,2- <i>e</i>][1,2,4]triazolo[2,3- <i>c</i>]pyrimidine derivatives. <i>Il Farmaco</i> , 2001, 56, 965-973.	0.9	115
83	4-Hydroxycoumarin in heterocyclic synthesis. <i>Il Farmaco</i> , 2000, 55, 708-714.	0.9	149
84	Activated Nitriles in Heterocyclic Synthesis: Synthesis of Pyrano[2,3- <i>d</i>]pyrimidine and Pyrano[3,2- <i>e</i>][1,2,4]triazolo[1,5- <i>c</i>]pyrimidine Derivatives. <i>Journal of Chemical Research Synopses</i> , 1997, , 320-321.	0.3	25