

Ramadan Ahmed Mekheimer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9424189/publications.pdf>

Version: 2024-02-01

67
papers

1,036
citations

430874

18
h-index

477307

29
g-index

71
all docs

71
docs citations

71
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar thermochemical reactions: four-component synthesis of polyhydroquinoline derivatives induced by solar thermal energy. <i>Green Chemistry</i> , 2008, 10, 592.	9.0	93
2	Recent developments in the chemistry of pyrazolo[4,3-c]quinolines. <i>Tetrahedron</i> , 2012, 68, 1637-1667.	1.9	52
3	Novel 1,2,4-Triazolo[1,5-a]pyridines and Their Fused Ring Systems Attenuate Oxidative Stress and Prolong Lifespan of <i>Caenorhabditis elegans</i> . <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4169-4177.	6.4	47
4	Regioselectivity in the multicomponent reaction of 5-aminopyrazoles, cyclic 1,3-diketones and dimethylformamide dimethylacetal under controlled microwave heating. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 18-24.	2.2	44
5	Cerium (IV) Ammonium Nitrate (CAN) Catalyzed One-pot Synthesis of 2-Arylbenzothiazoles. <i>Molecules</i> , 2008, 13, 2908-2914.	3.8	43
6	Green and Highly Efficient Synthesis of 2-Arylbenzothiazoles Using Glycerol without Catalyst at Ambient Temperature. <i>Molecules</i> , 2012, 17, 6011-6019.	3.8	39
7	Synthesis, spectral studies and DFT computational analysis of hydrogen bonded-charge transfer complex between chloranilic acid with 2,4-diamino-quinoline-3-carbonitrile in different polar solvents. <i>Journal of Molecular Liquids</i> , 2017, 231, 602-619.	4.9	36
8	Advancements in the synthesis of fused tetracyclic quinoline derivatives. <i>RSC Advances</i> , 2020, 10, 19867-19935.	3.6	36
9	Microwave-assisted reactions: Three component process for the synthesis of 2-aminochromenes under microwave heating. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 149-151.	2.6	32
10	Recent developments in utility of green multi-component reactions for the efficient synthesis of polysubstituted pyrans, thiopyrans, pyridines, and pyrazoles. <i>Molecular Diversity</i> , 2015, 19, 625-651.	3.9	29
11	Synthesis of Functionalized 4H-Pyrano[3,2-c]pyridines from 4-Hydroxy-6-methyl-2-pyridone and Their Reactions. Unexpected New Routes to 3,3-Benzylidenebis[4-hydroxy-6-methyl-2(1H)-3-pyridinone]s. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 1625-1630.	3.2	25
12	Solar thermochemical reactions II: Synthesis of 2-aminothiophenes via Gewald reaction induced by solar thermal energy. <i>Chinese Chemical Letters</i> , 2008, 19, 788-790.	9.0	25
13	Synthesis, spectrophotometric characterization and DFT computational study of a novel quinoline derivative, 2-amino-4-(2,4,6-trinitrophenylamino)-quinoline-3-carbonitrile. <i>Journal of Molecular Liquids</i> , 2018, 249, 501-510.	4.9	25
14	Fused quinoline heterocycles I. First example of the 2,4-diazidoquinoline-3-carbonitrile and 1-aryl-1,5-dihydro-1,2,3,4,5,6-hexaazaacephenanthrylenes ring systems. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 2183-2188.	0.9	24
15	Green, three component highly efficient synthesis of 2-amino-5,6,7,8-tetrahydro-4H-chromen-3-carbonitriles in water at ambient temperature. <i>Green Chemistry Letters and Reviews</i> , 2010, 3, 161-163.	4.7	24
16	Discovery of new pyrimido[5,4-c]quinolines as potential antiproliferative agents with multitarget actions: Rapid synthesis, docking, and ADME studies. <i>Bioorganic Chemistry</i> , 2022, 121, 105693.	4.1	24
17	Simple, Three-Component, Highly Efficient Green Synthesis of Thiazolo[3,2-a]pyridine Derivatives Under Neat Conditions. <i>Synthetic Communications</i> , 2011, 41, 2511-2516.	2.1	23
18	Solar thermochemical reactions III: A convenient one-pot synthesis of 1,2,4,5-tetrasubstituted imidazoles catalyzed by high surface area SiO ₂ and induced by solar thermal energy. <i>Chinese Chemical Letters</i> , 2009, 20, 812-814.	9.0	21

#	ARTICLE	IF	CITATIONS
19	A Novel Nucleophilic Substitution with Quinoline Derivatives. Synthesis of Quinolones and Pyrazolo[4,3-c]quinoline Derivatives. Bulletin of the Chemical Society of Japan, 1993, 66, 2936-2940.	3.2	18
20	Synthesis and Reactivity of 3-Alkylthio-5-cyanomethyl-4-phenyl-1,2,4-triazoles. Journal of Chemical Research Synopses, 1999, , 76-77.	0.3	18
21	1,8-Naphthyridines II: synthesis of novel polyfunctionally substituted 1,8-naphthyridinones and their degradation to 6-aminopyridones. Arkivoc, 2007, 2007, 269-281.	0.5	17
22	Fused Quinoline Heterocycles III: Synthesis of First Annulated 1,4,5,6,6a-Pentaazabenz[a]indacenes, 1,3,5,6-tetraazaaceanthrylenes and 5,7,9,11-Tetraazabenz[a]fluorenes. Synthesis, 2000, 2000, 2078-2084.	2.3	16
23	Fused Quinoline Heterocycles IV: First Synthesis of Four Heterocyclic Ring Systems of 1H-5-Thia-1,2,3,6-Tetraazaacephenanthrylenes and 1H-5-Thia-1,3,6-Triazaacephenanthrylenes. Synthesis, 2001, 2001, 0097-0102.	2.3	16
24	Microwave-assisted reactions: Three-component process for the synthesis of 2-amino-2-chromenes under microwave heating. Chinese Chemical Letters, 2009, 20, 271-274.	9.0	16
25	Synthesis and Spectroscopic Properties of New Azo Dyes Derived from 3-Ethylthio-5-cyanomethyl-4-phenyl-1,2,4-triazole. Molecules, 2014, 19, 2993-3003.	3.8	16
26	A New Approach to the Synthesis of Polyfunctionally Substituted 1,8-Naphthyridin-2-one Derivatives from 6-Azidopyridones: A Novel Thermal Decomposition to 6-Aminopyridones. Synthesis, 2001, 2001, 0103-0107.	2.3	15
27	Fused quinoline heterocycles VI: Synthesis of 5<i>H</i>-1-thia-3,5,6-triazaaceanthrylenes and 5<i>H</i>-1-thia-3,4,5,6-tetraazaaceanthrylenes. Journal of Heterocyclic Chemistry, 2005, 42, 567-574.	2.6	15
28	Cerium (IV) ammonium nitrate-mediated reactions: Simple route to benzimidazole derivatives. Arabian Journal of Chemistry, 2012, 5, 63-66.	4.9	15
29	New s-Triazine/Tetrazole conjugates as potent antifungal and antibacterial agents: Design, molecular docking and mechanistic study. Journal of Molecular Structure, 2022, 1267, 133615.	3.6	15
30	A Novel Synthesis of Highly Functionalized Pyridines by a One-Pot, Three-Component Tandem Reaction of Aldehydes, Malononitrile and N-Alkyl-2-cyanoacetamides under Microwave Irradiation. Molecules, 2018, 23, 619.	3.8	14
31	FUSED QUINOLINE HETEROCYCLES. II. FIRST SYNTHESIS OF 1,2,3,4,5,6-HEXAAZAACEANTHRYLENES AND 5,7,8,10a,11-PENTAAZABENZO[a]-FLUORENES. Synthetic Communications, 2001, 31, 1971-1982.	2.1	13
32	Synthesis of some novel azido- and tetrazoloquinoline-3-carbonitriles and their conversion into 2,4-diaminoquinoline-3-carbonitriles. Journal of Chemical Research, 2005, 2005, 82-85.	1.3	13
33	A NOVEL SYNTHESIS OF BENZO[g]IMIDAZO[1,2-a]PYRIDINES: THE REACTIVITY OF ARYLIDINE-1H-BENZIMIDAZOLE-2- ACETONITRILE WITH ELECTRON POOR OLEFINS AND DIMETHYLACETYLENE DICARBOXYLATE UNDER MICROWAVE IRRADIATION. Heterocyclic Communications, 1997, 3, .	1.2	12
34	Green chemistry: A facile synthesis of polyfunctionally substituted thieno[3,4-c]pyridinones and thieno[3,4-d]pyridazinones under neat reaction conditions. Ultrasonics Sonochemistry, 2010, 17, 909-915.	8.2	12
35	NUCLEOPHILIC SUBSTITUTION of 2,4-DICHLOROQUINOLINE-3-CARBONITRILE WITH DIFFERENT NUCLEOPHILES. SYNTHESIS of SEVERAL NEW QUINOLINE-3-CARBONITRILE DERIVATIVES. Heterocyclic Communications, 1998, 4, .	1.2	10
36	Fused quinoline heterocycles X. First synthesis of new four heterocyclic ring systems 10-amino-6,9-disubstituted-[1,2,4]triazino[4,3-c<i>H</i>]pyrazolo[4,3-c<i>H</i>]quinoline derivatives. Synthetic Communications, 2017, 47, 1052-1064.	2.1	10

#	ARTICLE	IF	CITATIONS
37	Recent Advances in the Utility of Glycerol as a Benign and Biodegradable Medium in Heterocyclic Synthesis. <i>Current Organic Chemistry</i> , 2020, 23, 3226-3246.	1.6	10
38	The Synthesis of Heterocycles from Indolin-2-one Derivatives and Active Methylene Reagents. <i>Collection of Czechoslovak Chemical Communications</i> , 1994, 59, 1235-1240.	1.0	8
39	Fused Quinoline Heterocycles V. Synthesis of Novel 1,2,3,5,6-Pentaazaaceanthrylene Derivatives. <i>Journal of Chemical Research</i> , 2003, 2003, 388-389.	1.3	8
40	Zn(L-proline) ₂ : An Efficient and Recyclable Catalytic System for the Asymmetric Multicomponent Synthesis of 2-amino-4H-chromenes in Water Under Controlled Microwave Heating. <i>Current Microwave Chemistry</i> , 2016, 3, 227-232.	0.8	8
41	Fused Quinoline Heterocycles IX: First Example of a 3,4-Diamino-1H-pyrazolo[4,3-c]quinoline and a 3-Azido-1H-1,2,4,5,6,6a-hexaazabenz[a]indacene. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009, 64, 973-979.	0.7	7
42	Naphthyridines. Part 3: First example of the polyfunctionally substituted 1,2,4-triazolo[1,5-g][1,6]naphthyridines ring system. <i>Tetrahedron</i> , 2009, 65, 9843-9849.	1.9	7
43	Synthesis and Characterization of New 1,2,4-Triazolo[1,5-a]pyridines That Extend the Life Span of <i>Caenorhabditis elegans</i> via Their Anti-inflammatory/Antioxidant Effects. <i>Archiv Der Pharmazie</i> , 2015, 348, 650-665.	4.1	7
44	Microwave-assisted efficient one-pot synthesis of N-(tetrazol-5-yl)-6-aryl/heteroaryl-5,6-dihydro-1,3,5-triazine-2,4-diamines. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1706-1712.	2.2	7
45	An efficient multicomponent, one-pot synthesis of Betti bases catalyzed by cerium (IV) ammonium nitrate (CAN) at ambient temperature. <i>Green Processing and Synthesis</i> , 2016, 5, 365-369.	3.4	7
46	Fused quinoline heterocycles VIII. Synthesis of polyfunctionally substituted pyrazolo[4,3-c]quinolin-4(5H)-ones. <i>Journal of Chemical Research</i> , 2008, 2008, 735-737.	1.3	6
47	Spectroscopic studies on the proton transfer reactions of 4-hydroxy-2-oxo-1,2-dihydroquinolin-3-carbonitrile with different amines in acetonitrile. <i>Journal of Molecular Liquids</i> , 2012, 167, 78-85.	4.9	6
48	An expeditious and green synthesis of new enamines and study their chemical reactivity toward some different amines and binucleophiles under environmentally friendly conditions. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2697-S2704.	4.9	6
49	Recent Developments in the Synthesis of Cinnoline Derivatives. <i>Mini-Reviews in Organic Chemistry</i> , 2019, 16, 578-588.	1.3	6
50	Densely functionalized cinnolines: Controlled microwave-assisted facile one-pot multi-component synthesis and in vitro anticancer activity via apoptosis induction. <i>Bioorganic Chemistry</i> , 2020, 101, 103932.	4.1	6
51	First Synthesis and Isolation of the E- and Z-Isomers of Some New Schiff Bases. Reactions of 6-Azido-5-Formyl-2-Pyridone with Aromatic Amines. <i>Molecules</i> , 2008, 13, 195-203.	3.8	5
52	Solar Thermochemical Reactions IV: Unusual Reaction of Nitrones with Acetonitrile Derivatives Induced by Solar Thermal Energy. <i>Green and Sustainable Chemistry</i> , 2011, 01, 176-181.	1.2	5
53	A Novel Synthesis of Aryl bromo(5-ethylthio)phenyl-1,2,4-triazolo[3,4-b]pyrazolo[4,3-a]quinoline via Thermal Cyclization of 4-Azidopyrazoles. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1159-1167.	2.6	4
54	Microwave-assisted reactions: Efficient and versatile one-step synthesis of 8-substituted xanthenes and substituted pyrimidopterin-2,4,6,8-tetraones under controlled microwave heating. <i>Green Processing and Synthesis</i> , 2021, 10, 201-207.	3.4	4

#	ARTICLE	IF	CITATIONS
55	Naphthyridines part 4: unprecedented synthesis of polyfunctionally substituted benzo[c][2,7]naphthyridines and benzo[c]pyrimido[4,5,6-ij][2,7]naphthyridines with structural analogy to pyrido[4,3,2-mn]acridines present in the marine tetracyclic pyridoacridine alkaloids. <i>Molecular Diversity</i> , 2018, 22, 159-171.	3.9	3
56	Controlled microwave-assisted reactions: A facile synthesis of polyfunctionally substituted phthalazines as dual EGFR and PI3K inhibitors in CNS SNB-75 cell line. <i>Bioorganic Chemistry</i> , 2022, 122, 105740.	4.1	3
57	A new thermal study of the reaction of 6-azidopyridones with different amines and hydrazines. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 97-101.	2.6	2
58	Regio- and stereoselective 1,3-dipolar cycloaddition reactions of C-aryl (or hetaryl)-N-phenylnitrones to monosubstituted ylidene malononitriles and 4-benzylidene-2-phenyloxazol-5(4H)-one. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 317-326.	0.7	2
59	Chloroquinoline-3-carbonitriles: Synthesis and Reactions. <i>Current Organic Chemistry</i> , 2019, 23, 823-851.	1.6	2
60	Synthesis and Reactivity of 3-Alkylthio-5-cyanomethyl-4-phenyl-1,2,4-triazoles. <i>Journal of Chemical Research</i> , 1999, 23, 76-77.	1.3	1
61	FUSED QUINOLINE HETEROCYCLES IV. FIRST SYNTHESIS OF FOUR HETEROCYCLIC RING SYSTEMS OF 1H-5-THIA-1,2,3,6-TETRA-AZAACEPHENANTHRYLENES AND 1H-5-THIA-1,3,6-TRIAZAACEPHENANTHRYLENES. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 175, 49-63.	1.6	1
62	Aroyl and acyl cyanides as orthogonal protecting groups or as building blocks for the synthesis of heterocycles. <i>Molecular Diversity</i> , 2019, 23, 1065-1084.	3.9	1
63	Fused Quinoline Heterocycles. Part 6. Synthesis of 5H-1-Thia-3,5,6-triazaaceanthrylenes and 5H-1-Thia-3,4,5,6-tetrazaaceanthrylenes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
64	Recent developments in the utility of Zn(L- <i>proline</i>) ₂ as benign and recyclable metallo-organocatalyst in organic synthesis. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5315.	3.5	0
65	A reflection on the life of Mohamed H. Elnagdi (1941-2021). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 604-604.	1.6	0
66	A Convenient One-pot Synthesis of Pyrimido[4,5-b]quinolines as 5-Deaza Non-classical Antifolate Inhibitors. <i>Journal of Chemical Research</i> , 1999, 23, 678-679.	1.3	0
67	Recent developments in the green synthesis of biologically relevant cinnolines and phthalazines. <i>ChemistrySelect</i> , 2022, .	1.5	0