

Hanem Awad

List of Publications by Year in Descending Order

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Version: 2024-04-03

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	1,866 citations	20 h-index	40 g-index
99 ext. papers	2,317 ext. citations	3.5 avg, IF	5.1 L-index

#	Paper	IF	Citations
88	Identification of 'Voodoo': an emerging substance of abuse in Egypt.. <i>International Journal of Environmental Analytical Chemistry</i> , 2022 , 102, 104-116	1.8	7
87	Values added products recovery from sludge 2022 , 373-380		
86	Novel benzothiazole-based dual VEGFR-2/EGFR inhibitors targeting breast and liver cancers: Synthesis, cytotoxic activity, QSAR and molecular docking studies.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022 , 58, 128529	2.9	4
85	Graphene enhanced detoxification of wastewater rich 4-nitrophenol in multistage anaerobic reactor followed by baffled high-rate algal pond. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127395	12.8	4
84	Antiproliferative Activity of Some Newly Synthesized Substituted Nicotinamides Candidates Using Pyridine-2(1) thione Derivatives as Synthons.. <i>ACS Omega</i> , 2022 , 7, 10304-10316	3.9	2
83	The environmental distribution and removal of emerging pollutants, highlighting the importance of using microbes as a potential degrader: A review. <i>Science of the Total Environment</i> , 2021 , 809, 151926	10.2	5
82	Synthesis, anticancer evaluation and molecular docking of new benzothiazole scaffolds targeting FGFR-1. <i>Bioorganic Chemistry</i> , 2021 , 119, 105504	5.1	1
81	Assessment of exopolysaccharides, bacteriocins and in vitro and in vivo hypocholesterolemic potential of some Egyptian Lactobacillus spp. <i>International Journal of Biological Macromolecules</i> , 2021 , 173, 66-78	7.9	4
80	Synthesis, antimicrobial and antiproliferative activities, molecular docking, and computational studies of novel heterocycles. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 2965	2	8
79	Design, Synthesis, Anticancer Evaluation, Enzymatic Assays, and a Molecular Modeling Study of Novel Pyrazole-Indole Hybrids. <i>ACS Omega</i> , 2021 , 6, 12361-12374	3.9	11
78	Synthesis and Anti-Proliferative Activity of New α -Amino Phosphonate Derivatives Bearing Heterocyclic Moiety. <i>Pharmaceutical Chemistry Journal</i> , 2021 , 55, 231-239	0.9	1
77	Chemical composition and biological activities of aqueous extracts and their sulfated derivatives of pea peel (<i>Pisum sativum</i> L.). <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 102077	4.2	1
76	Discovery of New Pyrazolopyridine, Furopyridine, and Pyridine Derivatives as CDK2 Inhibitors: Design, Synthesis, Docking Studies, and Anti-Proliferative Activity. <i>Molecules</i> , 2021 , 26,	4.8	4
75	Greenhouse gases emissions from duckweed pond system treating polyester resin wastewater containing 1,4-dioxane and heavy metals. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111253	7	9
74	Recent Approaches for the Production of High Value-Added Biofuels from Gelatinous Wastewater. <i>Energies</i> , 2021 , 14, 4936	3.1	2
73	Synthesis, anticancer activity and molecular docking of new triazolo[4,5- <i>b</i>]pyrimidines based thienopyrimidine system and their derived -glycosides and thioglycosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021 , 40, 1090-1113	1.4	4
72	Novel benzothiazole hybrids targeting EGFR: Design, synthesis, biological evaluation and molecular docking studies. <i>Journal of Molecular Structure</i> , 2021 , 1240, 130595	3.4	9

71	Strengthen "the sustainable farm" concept via efficacious conversion of farm wastes into methane. <i>Bioresource Technology</i> , 2021 , 341, 125838	11	6
70	Click chemistry based synthesis, cytotoxic activity and molecular docking of novel triazole-thienopyrimidine hybrid glycosides targeting EGFR. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 504-516	5.6	13
69	Techno-economic feasibility of energy-saving self-aerated sponge tower combined with up-flow anaerobic sludge blanket reactor for treatment of hazardous landfill leachate. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101415	6.7	13
68	Synthesis and in vitro anticancer evaluation of novel pyridine derivatives bearing tetrahydronaphthalene scaffold. <i>Arkivoc</i> , 2020 , 2019, 459-480	0.9	2
67	Mechanistic and economic assessment of polyester wastewater treatment via baffled duckweed pond. <i>Journal of Water Process Engineering</i> , 2020 , 35, 101179	6.7	11
66	Biological and Spectroscopic Investigations of New Tenoxicam and 1.10-Phenthroline Metal Complexes. <i>Molecules</i> , 2020 , 25,	4.8	5
65	Synthesis and Anti-Proliferative Activity of New Acridinyl and Benzothiazolyl-Based Triazole Glycosides via Click Cycloaddition and Their Tetrazolyl Analogs. <i>Russian Journal of Bioorganic Chemistry</i> , 2020 , 46, 1136-1147	1	1
64	First Synthesis for Bis-Spirothiazolidine Derivatives as a Novel Heterocyclic Framework and Their Biological Activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 152-160	3.2	5
63	Synthesis and antiproliferative activity of new hybrids bearing neocryptolepine, acridine and Amino phosphonate scaffolds. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 1211-1221	2	8
62	One-Pot Multicomponent Synthesis and Cytotoxic Evaluation of Novel 7-Substituted-5-(1-Indol-3-yl)Tetrazolo[1,5-a] Pyrimidine-6-Carbonitrile. <i>Molecules</i> , 2020 , 25,	4.8	11
61	Convenient synthesis of novel sulfonamide derivatives as promising anticancer agents. <i>Journal of Heterocyclic Chemistry</i> , 2020 , 57, 1123-1132	1.9	11
60	Synthesis and in vitro evaluation of novel tetralin-pyrazolo[3,4-b]pyridine hybrids as potential anticancer agents. <i>Journal of Heterocyclic Chemistry</i> , 2020 , 57, 182-196	1.9	4
59	Synthesis of furo[3,2-g]chromones under microwave irradiation and their antitumor activity evaluation. <i>Journal of Heterocyclic Chemistry</i> , 2020 , 57, 731-743	1.9	3
58	Synthesis and characterization of biocompatible hydrogel based on hydroxyethyl cellulose-g-poly(hydroxyethyl methacrylate). <i>Polymer Bulletin</i> , 2020 , 77, 6333-6347	2.4	6
57	Copper(I)-catalysed azidealkyne cycloaddition and antiproliferative activity of mono- and bis-1,2,3-triazole derivatives. <i>New Journal of Chemistry</i> , 2020 , 44, 18256-18263	3.6	5
56	Exploiting the 4-hydrazinobenzoic acid moiety for the development of anticancer agents: Synthesis and biological profile. <i>Bioorganic Chemistry</i> , 2020 , 102, 104098	5.1	3
55	RAFT Terminated Hyperbranched Functionalized Nano Rice Husk Powder / EPDM Nanocomposite for Biomedical Applications. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 2027-2039	1.5	
54	Synthesis of novel naphthalene-heterocycle hybrids with potent antitumor, anti-inflammatory and antituberculosis activities.. <i>RSC Advances</i> , 2020 , 10, 42998-43009	3.7	11

53	Antiproliferative and Antiangiogenic Properties of New VEGFR-2-targeting 2-thioxobenzo[<i>h</i>]quinazoline Derivatives (In Vitro). <i>Molecules</i> , 2020 , 25,	4.8	3
52	Design, synthesis and anticancer activity of novel pyrimidine and pyrimidine-thiadiazole hybrid glycosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020 , 39, 1036-1056	1.4	7
51	Design, Synthesis, and Anticancer Activity of New Oxadiazolyl-Linked and Thiazolyl-Linked Benzimidazole Arylidines, Thioglycoside, and Acyclic Analogs. <i>Journal of Heterocyclic Chemistry</i> , 2019 , 56, 1086-1100	1.9	10
50	Efficient and easy synthesis of new Benzo[<i>h</i>]chromene and Benzo[<i>h</i>]quinoline derivatives as a new class of cytotoxic agents. <i>Journal of Molecular Structure</i> , 2019 , 1195, 702-711	3.4	15
49	Synthesis and biological evaluation of 4-(1-1,2,4-triazol-1-yl)benzoic acid hybrids as anticancer agents.. <i>RSC Advances</i> , 2019 , 9, 19065-19074	3.7	6
48	Nutrients balance for hydrogen potential upgrading from fruit and vegetable peels via fermentation process. <i>Journal of Environmental Management</i> , 2019 , 242, 384-393	7.9	20
47	Electrical properties, cyclic voltammetry, and anticancer activities of N-(4-(2-hydrazinyl-2-oxoethoxy)phenyl) acetamide complexes. <i>Journal of Physical Organic Chemistry</i> , 2019 , 32, e3945	2.1	6
46	Synthesis and Anticancer Activity of New ((Furan-2-yl)-1,3,4-thiadiazolyl)-1,3,4-oxadiazole Acyclic Sugar Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2019 , 67, 888-895	1.9	24
45	Mixed-ligand complexes of tenoxicam drug with some transition metal ions in presence of 2,2'-bipyridine: Synthesis, spectroscopic characterization, thermal analysis, density functional theory and in vitro cytotoxic activity. <i>Journal of Molecular Structure</i> , 2019 , 1197, 628-644	3.4	9
44	Microwave synthesis, anti-oxidant and anti-tumor activity of some nucleosides derived 2-oxonicotinonitrile. <i>Synthetic Communications</i> , 2019 , 49, 3465-3474	1.7	0
43	Synthesis and Cytotoxic Activity of New 1,3,4-Thiadiazole Thioglycosides and 1,2,3-Triazolyl-1,3,4-Thiadiazole -glycosides. <i>Molecules</i> , 2019 , 24,	4.8	23
42	Development of Promising Thiopyrimidine-Based Anti-cancer and Antimicrobial Agents: Synthesis and QSAR Analysis. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 1255-1275	3.2	4
41	Design, Synthesis and Anticancer Activity of New Thiazole-Tetrazole or Triazole Hybrid Glycosides Targeting CDK-2 via Structure-Based Virtual Screening. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 933-948	3.2	13
40	Synthesis, Docking Studies into CDK-2 and Anticancer Activity of New Derivatives Based Pyrimidine Scaffold and Their Derived Glycosides. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 1093-1110	3.2	13
39	Synthesis, Antimicrobial and Antitumor Evaluations of a New Class of Thiazoles Substituted on the Chromene Scaffold. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 1717-1725	3.2	14
38	Harvesting zero waste from co-digested fruit and vegetable peels via integrated fermentation and pyrolysis processes. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 10429-10438	5.1	15
37	Synthesis of Thiazole Linked Imidazo[2,1- <i>b</i>]Thiazoles as Anticancer Agents. <i>Polycyclic Aromatic Compounds</i> , 2019 , 1-15	1.3	14
36	Flavones from Heavenly Blue as modulators of Alzheimer's amyloid-beta peptide (A β) production. <i>Medicinal Chemistry Research</i> , 2018 , 27, 768-776	2.2	6

35	Design, Synthesis and Antitumor Evaluation of Novel Pyrazolopyrimidines and Pyrazoloquinazolines. <i>Molecules</i> , 2018 , 23,	4.8	25
34	Synthesis, Molecular Docking and Dynamics Simulation Studies of New 7-oxycoumarin Derivatives as Potential Antioxidant Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018 , 18, 1572-1587	3.2	
33	Safety and efficacy of early start of iron chelation therapy with deferiprone in young children newly diagnosed with transfusion-dependent thalassemia: A randomized controlled trial. <i>American Journal of Hematology</i> , 2018 , 93, 262-268	7.1	14
32	Synthesis and in vitro antitumor evaluation of novel Schiff bases. <i>Medicinal Chemistry Research</i> , 2018 , 27, 915-927	2.2	15
31	Synthesis and anticancer activity of novel 2-substituted pyranopyridine derivatives. <i>Research on Chemical Intermediates</i> , 2017 , 43, 437-456	2.8	21
30	Design, Synthesis, and Biological Evaluation of Some Cyclohepta[b]Thiophene and Substituted Pentahydrocycloheptathieno[2,3-d]Pyrimidine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2017 , 54, 1084-1093	1.9	7
29	Cyto-toxicity, biocompatibility and cellular response of carbon dotsPlasmonic based nano-hybrids for bioimaging. <i>RSC Advances</i> , 2017 , 7, 23502-23514	3.7	96
28	Synthesis and in vitro anticancer activity of pyrazolo[1,5-a]pyrimidines and pyrazolo[3,4-d][1,2,3]triazines. <i>Synthetic Communications</i> , 2017 , 47, 1963-1972	1.7	30
27	Synthesis and antitumor activity against HepG-2, PC-3, and HCT-116 cells of some naphthyridine and pyranopyridinecarbonitrile derivatives. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 1264-1274	0.7	3
26	Synthesis and antitumor activity of some new pyrazolo[1,5-a]pyrimidines. <i>Chinese Chemical Letters</i> , 2017 , 28, 388-393	8.1	53
25	Synthesis, Single Crystal X-Ray, and Anticancer Activity of Some New Thiophene and 1,3-Thiazolidine Derivatives. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 2951-2960	0.7	5
24	Synthesis and Anticancer Activity of New 1-Thia-4-azaspiro[4.5]decane, Their Derived Thiazolopyrimidine and 1,3,4-Thiadiazole Thioglycosides. <i>Molecules</i> , 2017 , 22,	4.8	50
23	Eco-friendly synthesis of amidochloroalkylnaphthols and its related oxazepinones with biological evaluation. <i>Monatshefte Für Chemie</i> , 2016 , 147, 809-816	1.4	16
22	Anticancer activity of some [1,2,4]triazepino[2,3-a] quinazoline derivatives: monolayer and multicellular spheroids in vitro models. <i>Medicinal Chemistry Research</i> , 2016 , 25, 1952-1957	2.2	4
21	Preparation and characterization of chitosanHydroxyapatiteglycopolymer/Cloisite 30 B nanocomposite for biomedical applications. <i>Polymer Bulletin</i> , 2015 , 72, 1497-1513	2.4	14
20	In-vitro anticancer and antimicrobial activities of PLGA/silver nanofiber composites prepared by electrospinning. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 1045-53	4.5	50
19	In vitro anti-nitrosative, antioxidant, and cytotoxicity activities of plant flavonoids: a comparative study. <i>Medicinal Chemistry Research</i> , 2014 , 23, 3298-3307	2.2	33
18	Anti-Alzheimer, Antioxidant Activities and Flavonol Glycosides of Eryngium campestre L.. <i>Current Chemical Biology</i> , 2013 , 7, 188-195	0.4	12

17	Synthesis, tumor inhibitory and antioxidant activity of new polyfunctionally 2-substituted 5,6,7,8-tetrahydronaphthalene derivatives containing pyridine, thioxopyridine and pyrazolopyridine moieties. <i>Acta Poloniae Pharmaceutica</i> , 2013 , 70, 987-1001	1.3	18
16	Chemical and antioxidant investigations: Norfolk pine needles (<i>Araucaria excelsa</i>). <i>Pharmaceutical Biology</i> , 2010 , 48, 534-8	3.8	17
15	Synthesis, anti-HCV, antioxidant, and peroxyxynitrite inhibitory activity of fused benzosuberone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 492-500	6.8	62
14	A new group of exo-acting family 28 glycoside hydrolases of <i>Aspergillus niger</i> that are involved in pectin degradation. <i>Biochemical Journal</i> , 2006 , 400, 43-52	3.8	55
13	Human cytochrome p450 enzymes of importance for the bioactivation of methyleugenol to the proximate carcinogen 1'-hydroxymethyleugenol. <i>Chemical Research in Toxicology</i> , 2006 , 19, 111-6	4	59
12	Human cytochrome p450 enzyme specificity for bioactivation of safrole to the proximate carcinogen 1'-hydroxysafrole. <i>Chemical Research in Toxicology</i> , 2004 , 17, 1245-50	4	56
11	Quenching of quercetin quinone/quinone methides by different thiolate scavengers: stability and reversibility of conjugate formation. <i>Chemical Research in Toxicology</i> , 2003 , 16, 822-31	4	62
10	Identification of o-quinone/quinone methide metabolites of quercetin in a cellular in vitro system. <i>FEBS Letters</i> , 2002 , 520, 30-4	3.8	76
9	The pro-oxidant chemistry of the natural antioxidants vitamin C, vitamin E, carotenoids and flavonoids. <i>Environmental Toxicology and Pharmacology</i> , 2002 , 11, 321-33	5.8	243
8	The regioselectivity of glutathione adduct formation with flavonoid quinone/quinone methides is pH-dependent. <i>Chemical Research in Toxicology</i> , 2002 , 15, 343-51	4	71
7	Structure-activity study on the quinone/quinone methide chemistry of flavonoids. <i>Chemical Research in Toxicology</i> , 2001 , 14, 398-408	4	128
6	Structure activity relationships for the chemical behaviour and toxicity of electrophilic quinones/quinone methides. <i>Advances in Experimental Medicine and Biology</i> , 2001 , 500, 11-21	3.6	7
5	Peroxidase-catalyzed formation of quercetin quinone methide-glutathione adducts. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 378, 224-33	4.1	145
4	Synthesis and anti-phlogistic potency of some new non-proteinogenic amino acid conjugates of "Diclofenac". <i>Amino Acids</i> , 1999 , 16, 425-40	3.5	9
3	Anticancer Activity of New Substituted Pyrimidines, Their Thioglycosides and Thiazolopyrimidine Derivatives. <i>Journal of Applied Pharmaceutical Science</i> ,	2	6
2	In vitro release and cytotoxicity activity of 5-fluorouracil entrapped polycaprolactone nanoparticles. <i>Polymer Bulletin</i> ,1	2.4	0
1	Solar photo-oxidation of recalcitrant industrial wastewater: a review. <i>Environmental Chemistry Letters</i> ,1	13.3	5