

# Hanem Awad

## List of Publications by Year in descending order

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96  
papers

2,814  
citations

218677

26  
h-index

206112

48  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3120  
citing authors

#	ARTICLE	IF	CITATIONS
1	The pro-oxidant chemistry of the natural antioxidants vitamin C, vitamin E, carotenoids and flavonoids. <i>Environmental Toxicology and Pharmacology</i> , 2002, 11, 321-333.	4.0	301
2	Peroxidase-Catalyzed Formation of Quercetin Quinone Methide-Glutathione Adducts. <i>Archives of Biochemistry and Biophysics</i> , 2000, 378, 224-233.	3.0	159
3	Structure-Activity Study on the Quinone/Quinone Methide Chemistry of Flavonoids. <i>Chemical Research in Toxicology</i> , 2001, 14, 398-408.	3.3	146
4	Cyto-toxicity, biocompatibility and cellular response of carbon dots-plasmonic based nano-hybrids for bioimaging. <i>RSC Advances</i> , 2017, 7, 23502-23514.	3.6	131
5	Identification of o-quinone/quinone methide metabolites of quercetin in a cellular in vitro system. <i>FEBS Letters</i> , 2002, 520, 30-34.	2.8	86
6	The Regioselectivity of Glutathione Adduct Formation with Flavonoid Quinone/Quinone Methides Is pH-Dependent. <i>Chemical Research in Toxicology</i> , 2002, 15, 343-351.	3.3	78
7	Synthesis, anti-HCV, antioxidant, and peroxy-nitrite inhibitory activity of fused benzosuberone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 492-500.	5.5	75
8	Quenching of Quercetin Quinone/Quinone Methides by Different Thiolate Scavengers: Stability and Reversibility of Conjugate Formation. <i>Chemical Research in Toxicology</i> , 2003, 16, 822-831.	3.3	69
9	Human Cytochrome P450 Enzyme Specificity for Bioactivation of Safrole to the Proximate Carcinogen 1-Hydroxysafrole. <i>Chemical Research in Toxicology</i> , 2004, 17, 1245-1250.	3.3	68
10	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, 111-116.	3.3	66
11	Synthesis and antitumor activity of some new pyrazolo[1,5-a]pyrimidines. <i>Chinese Chemical Letters</i> , 2017, 28, 388-393.	9.0	66
12	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, 1045-1053.	3.6	65
13	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.	3.7	62
14	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, 170.	3.8	62
15	Design, Synthesis, Anticancer Evaluation, Enzymatic Assays, and a Molecular Modeling Study of Novel Pyrazole-Indole Hybrids. <i>ACS Omega</i> , 2021, 6, 12361-12374.	3.5	56
16	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.	2.1	49
17	Solar photo-oxidation of recalcitrant industrial wastewater: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1839-1862.	16.2	49
18	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.	5.2	45

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19	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> , 2022, 809, 151926.	8.0	40
20	In vitro anti-nitrosative, antioxidant, and cytotoxicity activities of plant flavonoids: a comparative study. <i>Medicinal Chemistry Research</i> , 2014, 23, 3298-3307.	2.4	39
21	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.	1.3	39
22	Design, Synthesis and Antitumor Evaluation of Novel Pyrazolopyrimidines and Pyrazoloquinazolines. <i>Molecules</i> , 2018, 23, 1249.	3.8	38
23	Nutrients balance for hydrogen potential upgrading from fruit and vegetable peels via fermentation process. <i>Journal of Environmental Management</i> , 2019, 242, 384-393.	7.8	35
24	Synthesis and Cytotoxic Activity of New 1,3,4-Thiadiazole Thioglycosides and 1,2,3-Triazolyl-1,3,4-Thiadiazole N-glycosides. <i>Molecules</i> , 2019, 24, 3738.	3.8	33
25	Synthesis and anticancer activity of novel 2-substituted pyranopyridine derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 437-456.	2.7	28
26	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.	2.4	28
27	Synthesis and in vitro antitumor evaluation of novel Schiff bases. <i>Medicinal Chemistry Research</i> , 2018, 27, 915-927.	2.4	26
28	Synthesis, antimicrobial and antiproliferative activities, molecular docking, and computational studies of novel heterocycles. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2965-2981.	2.2	26
29	Eco-friendly synthesis of amidochloroalkylnaphthols and its related oxazepinones with biological evaluation. <i>Monatshefte für Chemie</i> , 2016, 147, 809-816.	1.8	25
30	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.	5.3	25
31	Synthesis of Thiazole Linked Imidazo[2,1- <i>b</i> ]Thiazoles as Anticancer Agents. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 1608-1622.	2.6	25
32	Synthesis of novel naphthalene-heterocycle hybrids with potent antitumor, anti-inflammatory and antituberculosis activities. <i>RSC Advances</i> , 2020, 10, 42998-43009.	3.6	24
33	Strengthen the sustainable farm concept via efficacious conversion of farm wastes into methane. <i>Bioresource Technology</i> , 2021, 341, 125838.	9.6	23
34	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.	4.1	22
35	Convenient synthesis of novel sulfonamide derivatives as promising anticancer agents. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1123-1132.	2.6	22
36	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.	5.6	22

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37	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.	6.0	22
38	Novel benzothiazole hybrids targeting EGFR: Design, synthesis, biological evaluation and molecular docking studies. <i>Journal of Molecular Structure</i> , 2021, 1240, 130595.	3.6	22
39	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.	2.2	22
40	Identification of "Voodoo"™: an emerging substance of abuse in Egypt. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 104-116.	3.3	20
41	Synthesis and antiproliferative activity of new hybrids bearing neocryptolepine, acridine and $\beta$ -aminophosphonate scaffolds. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1211-1221.	2.2	20
42	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.	2.4	20
43	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.	2.4	20
44	Efficient and easy synthesis of new Benzo[h]chromene and Benzo[h]quinoline derivatives as a new class of cytotoxic agents. <i>Journal of Molecular Structure</i> , 2019, 1195, 702-711.	3.6	19
45	Discovery of New Pyrazolopyridine, Furopyridine, and Pyridine Derivatives as CDK2 Inhibitors: Design, Synthesis, Docking Studies, and Anti-Proliferative Activity. <i>Molecules</i> , 2021, 26, 3923.	3.8	19
46	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.	0.1	19
47	Chemical and antioxidant investigations: Norfolk pine needles ( <i>Araucaria excelsa</i> ). <i>Pharmaceutical Biology</i> , 2010, 48, 534-538.	2.9	18
48	One-Pot Multicomponent Synthesis and Cytotoxic Evaluation of Novel 7-Substituted-5-(1H-Indol-3-yl)Tetrazolo[1,5-a] Pyrimidine-6-Carbonitrile. <i>Molecules</i> , 2020, 25, 255.	3.8	18
49	Copper-catalysed azide-alkyne cycloaddition and antiproliferative activity of mono- and bis-1,2,3-triazole derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 18256-18263.	2.8	18
50	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.	2.4	18
51	Preparation and characterization of chitosan-hydroxyapatite-glycopolymer/Cloisite 30 B nanocomposite for biomedical applications. <i>Polymer Bulletin</i> , 2015, 72, 1497-1513.	3.3	17
52	Synthesis and characterization of biocompatible hydrogel based on hydroxyethyl cellulose-g-poly(hydroxyethyl methacrylate). <i>Polymer Bulletin</i> , 2020, 77, 6333-6347.	3.3	17
53	Antiproliferative and Antiangiogenic Properties of New VEGFR-2-targeting 2-thioxobenzo[g]quinazoline Derivatives (In Vitro). <i>Molecules</i> , 2020, 25, 5944.	3.8	17
54	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.	12.4	17

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55	Anti-Alzheimer, Antioxidant Activities and Flavonol Glycosides of <i>Eryngium campestre</i> L.. <i>Current Chemical Biology</i> , 2013, 7, 188-195.	0.5	17
56	Mechanistic and economic assessment of polyester wastewater treatment via baffled duckweed pond. <i>Journal of Water Process Engineering</i> , 2020, 35, 101179.	5.6	16
57	Biological and Spectroscopic Investigations of New Tenoxicam and 1.10-Phenthroline Metal Complexes. <i>Molecules</i> , 2020, 25, 1027.	3.8	16
58	Assessment of exopolysaccharides, bacteriocins and in vitro and in vivo hypocholesterolemic potential of some Egyptian <i>Lactobacillus</i> spp.. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 66-78.	7.5	15
59	Synthesis, anticancer activity and molecular docking of new triazolo[4,5- <i>d</i> ]pyrimidines based thienopyrimidine system and their derived <i>N</i> -glycosides and thioglycosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 1090-1113.	1.1	15
60	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.	2.6	13
61	Design, synthesis and anticancer activity of novel pyrimidine and pyrimidine-thiadiazole hybrid glycosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 1036-1056.	1.1	13
62	Recent Approaches for the Production of High Value-Added Biofuels from Gelatinous Wastewater. <i>Energies</i> , 2021, 14, 4936.	3.1	13
63	Synthesis and in vitro evaluation of novel tetralin- <i>pyrazolo</i> [3,4- <i>b</i> ]pyridine hybrids as potential anticancer agents. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 182-196.	2.6	12
64	Antiproliferative Activity of Some Newly Synthesized Substituted Nicotinamides Candidates Using Pyridine-2(1- <i>H</i> ) thione Derivatives as Synthons. <i>ACS Omega</i> , 2022, 7, 10304-10316.	3.5	12
65	Design, Synthesis, and Biological Evaluation of Some Cyclohepta[ <i>b</i> ]Thiophene and Substituted Pentahydrocycloheptathieno[2,3- <i>d</i> ]Pyrimidine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1084-1093.	2.6	11
66	Synthesis and biological evaluation of 4-(1- <i>H</i> -1,2,4-triazol-1-yl)benzoic acid hybrids as anticancer agents. <i>RSC Advances</i> , 2019, 9, 19065-19074.	3.6	11
67	Synthesis, anticancer evaluation and molecular docking of new benzothiazole scaffolds targeting FGFR-1. <i>Bioorganic Chemistry</i> , 2022, 119, 105504.	4.1	11
68	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.	3.6	10
69	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.	2.4	10
70	Anticancer Activity of New Substituted Pyrimidines, Their Thioglycosides and Thiazolopyrimidine Derivatives. <i>Journal of Applied Pharmaceutical Science</i> , 0, , .	1.0	10
71	Synthesis and anti-phlogistic potency of some new non-proteinogenic amino acid conjugates of ?Diclofenac?. <i>Amino Acids</i> , 1999, 16, 425-440.	2.7	9
72	Flavones from Heavenly Blue as modulators of Alzheimer's amyloid-beta peptide (A $\beta$ ) production. <i>Medicinal Chemistry Research</i> , 2018, 27, 768-776.	2.4	9



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91	RAFT Terminated Hyperbranched Functionalized Nano Rice Husk Powder / EPDM Nanocomposite for Biomedical Applications. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 2027-2039.	1.3	1
92	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.	2.4	1
93	Molecular Docking Studies, Antiproliferative Evaluation, and Synthesis of 7-(1H-Indol-3-yl)pyrido[2,3-d]pyrimidine Derivatives. <i>Russian Journal of Bioorganic Chemistry</i> , 2022, 48, 809-820.	1.0	1
94	Spectroscopic characterization, thermogravimetric, DFT and biological studies of some transition metals complexes with mixed ligands of meloxicam and 1,10 phenanthroline. <i>Egyptian Journal of Chemistry</i> , 2021, .	0.2	0
95	Values added products recovery from sludge. , 2022, , 373-380.		0
96	A New Dimeric Flavonol Glucoside and Other Flavonoids from the Cytotoxic Methanolic Extract of the Flowers of <i>Filipendula vulgaris</i> Collected in Poland. <i>Chemistry of Natural Compounds</i> , 0, , .	0.8	0