

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	Preparation, Characterization and In vitro Biological activity of 5-Fluorouracil Loaded onto poly (D, L) Tj ETQq1 1 0.784314 rgB ₃ /Overlock	3.3	3
2	Identification of "Voodoo"™: an emerging substance of abuse in Egypt. International Journal of Environmental Analytical Chemistry, 2022, 102, 104-116.	3.3	20
3	In vitro release and cytotoxicity activity of 5-fluorouracil entrapped polycaprolactone nanoparticles. Polymer Bulletin, 2022, 79, 6645-6671.	3.3	2
4	Design, synthesis, biological evaluation, and molecular docking of new benzofuran and indole derivatives as tubulin polymerization inhibitors. Drug Development Research, 2022, 83, 485-500.	2.9	6
5	Graphene enhanced detoxification of wastewater rich 4-nitrophenol in multistage anaerobic reactor followed by baffled high-rate algal pond. Journal of Hazardous Materials, 2022, 424, 127395.	12.4	17
6	The environmental distribution and removal of emerging pollutants, highlighting the importance of using microbes as a potential degrader: A review. Science of the Total Environment, 2022, 809, 151926.	8.0	40
7	Synthesis, anticancer evaluation and molecular docking of new benzothiazole scaffolds targeting FGFR-1. Bioorganic Chemistry, 2022, 119, 105504.	4.1	11
8	Values added products recovery from sludge. , 2022, , 373-380.		0
9	Novel benzothiazole-based dual VEGFR-2/EGFR inhibitors targeting breast and liver cancers: Synthesis, cytotoxic activity, QSAR and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2022, 58, 128529.	2.2	22
10	Design, synthesis, and molecular modeling of coumarin derivatives as MDM2 inhibitors targeting breast cancer. Chemical Biology and Drug Design, 2022, 99, 609-619.	3.2	4
11	Solar photo-oxidation of recalcitrant industrial wastewater: a review. Environmental Chemistry Letters, 2022, 20, 1839-1862.	16.2	49
12	Antiproliferative Activity of Some Newly Synthesized Substituted Nicotinamides Candidates Using Pyridine-2(1H</i>)</i> thione Derivatives as Synthon. ACS Omega, 2022, 7, 10304-10316.	3.5	12
13	Molecular Docking Studies, Antiproliferative Evaluation, and Synthesis of 7-(1H-Indol-3-yl)pyrido[2,3-d]pyrimidine Derivatives. Russian Journal of Bioorganic Chemistry, 2022, 48, 809-820.	1.0	1
14	Synthesis of Thiazole Linked Imidazo[2,1- <i>b</i>]Thiazoles as Anticancer Agents. Polycyclic Aromatic Compounds, 2021, 41, 1608-1622.	2.6	25
15	Greenhouse gases emissions from duckweed pond system treating polyester resin wastewater containing 1,4-dioxane and heavy metals. Ecotoxicology and Environmental Safety, 2021, 207, 111253.	6.0	22
16	SYNTHESIS, STRUCTURAL CHARACTERIZATION OF SOME PYRAZOLO [1-5A] PYRIMIDINE AND IMIDAZO[1,2-B]-PYRAZOLE DERIVATIVES AS ANTI-CANCER ACTIVITY. Rasayan Journal of Chemistry, 2021, 14, 741-750.	0.4	6
17	Assessment of exopolysaccharides, bacteriocins and in vitro and in vivo hypocholesterolemic potential of some Egyptian Lactobacillus spp.. International Journal of Biological Macromolecules, 2021, 173, 66-78.	7.5	15
18	Spectroscopic characterization, thermogravimetric, DFT and biological studies of some transition metals complexes with mixed ligands of meloxicam and 1,10 phenanthroline. Egyptian Journal of Chemistry, 2021, .	0.2	0

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19	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
20	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
21	Synthesis and Anti-Proliferative Activity of New \pm -Amino Phosphonate Derivatives Bearing Heterocyclic Moiety. <i>Pharmaceutical Chemistry Journal</i> , 2021, 55, 231-239.	0.8	2
22	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, 35, 102077.	3.1	9
23	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
24	Recent Approaches for the Production of High Value-Added Biofuels from Gelatinous Wastewater. <i>Energies</i> , 2021, 14, 4936.	3.1	13
25	Synthesis, anticancer activity and molecular docking of new triazolo[4,5-d]pyrimidines based thienopyrimidine system and their derived N-glycosides and thioglycosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 1090-1113.	1.1	15
26	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
27	Strengthen the sustainable farm-concept via efficacious conversion of farm wastes into methane. <i>Bioresource Technology</i> , 2021, 341, 125838.	9.6	23
28	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
29	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
30	Convenient synthesis of novel sulfonamide derivatives as promising anticancer agents. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1123-1132.	2.6	22
31	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.	2.6	12
32	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.	2.6	6
33	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
34	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
35	Exploiting the 4-hydrazinobenzoic acid moiety for the development of anticancer agents: Synthesis and biological profile. <i>Bioorganic Chemistry</i> , 2020, 102, 104098.	4.1	6
36	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

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37	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
38	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
39	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
40	Synthesis and in vitro anticancer evaluation of novel pyridine derivatives bearing tetrahydronaphthalene scaffold. <i>Arkivoc</i> , 2020, 2019, 459-480.	0.5	4
41	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
42	Biological and Spectroscopic Investigations of New Tenoxicam and 1.10-Phenthroline Metal Complexes. <i>Molecules</i> , 2020, 25, 1027.	3.8	16
43	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
44	Synthesis and antiproliferative activity of new hybrids bearing neocryptolepine, acridine and β -aminophosphonate scaffolds. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1211-1221.	2.2	20
45	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.	1.0	3
46	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
47	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
48	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
49	Microwave synthesis, anti-oxidant and anti-tumor activity of some nucleosides derived 2-oxonicotinonitrile. <i>Synthetic Communications</i> , 2019, 49, 3465-3474.	2.1	8
50	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
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.	2.6	13
52	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
53	Synthesis and biological evaluation of 4-(1H-1,2,4-triazol-1-yl)benzoic acid hybrids as anticancer agents. <i>RSC Advances</i> , 2019, 9, 19065-19074.	3.6	11
54	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

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55	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, 9, 32, e3945.		8
56	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
57	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
58	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
59	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
60	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
61	Chemical Composition and Biological Activity of <i>Salicornia fruticosa</i> L.. <i>Egyptian Journal of Chemistry</i> , 2019, .	0.2	3
62	Flavones from Heavenly Blue as modulators of Alzheimer's amyloid-beta peptide (A β) production. <i>Medicinal Chemistry Research</i> , 2018, 27, 768-776.	2.4	9
63	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
64	Synthesis and in vitro antitumor evaluation of novel Schiff bases. <i>Medicinal Chemistry Research</i> , 2018, 27, 915-927.	2.4	26
65	Design, Synthesis and Antitumor Evaluation of Novel Pyrazolopyrimidines and Pyrazoloquinazolines. <i>Molecules</i> , 2018, 23, 1249.	3.8	38
66	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
67	Synthesis and anticancer activity of novel 2-substituted pyranopyridine derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 437-456.	2.7	28
68	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
69	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
70	Synthesis and in vitro anticancer activity of pyrazolo[1,5- <i>a</i>]pyrimidines and pyrazolo[3,4- <i>d</i>][1,2,3]triazines. <i>Synthetic Communications</i> , 2017, 47, 1963-1972.	2.1	49
71	Synthesis and antitumor activity against HepG-2, PC-3, and HCT-116 cells of some naphthyridine and pyranopyridine carbonitrile derivatives. <i>Russian Journal of General Chemistry</i> , 2017, 87, 1264-1274.	0.8	3
72	Synthesis and antitumor activity of some new pyrazolo[1,5- <i>a</i>]pyrimidines. <i>Chinese Chemical Letters</i> , 2017, 28, 388-393.	9.0	66

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73	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.	0.8	5
74	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
75	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.	2.4	4
76	Eco-friendly synthesis of amidochloroalkyl naphthols and its related oxazepinones with biological evaluation. <i>Monatshefte für Chemie</i> , 2016, 147, 809-816.	1.8	25
77	Preparation and characterization of chitosan- <i>hydroxyapatite</i> glycopolymer/Cloisite 30 B nanocomposite for biomedical applications. <i>Polymer Bulletin</i> , 2015, 72, 1497-1513.	3.3	17
78	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
79	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
80	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
81	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
82	Synthesis, anti-HCV, antioxidant, and peroxynitrite inhibitory activity of fused benzosuberone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 492-500.	5.5	75
83	Chemical and antioxidant investigations: Norfolk pine needles (<i>Araucaria excelsa</i>). <i>Pharmaceutical Biology</i> , 2010, 48, 534-538.	2.9	18
84	Human Cytochrome P450 Enzymes of Importance for the Bioactivation of Methyleugenol to the Proximate Carcinogen 1- <i>Hydroxymethyleugenol</i> . <i>Chemical Research in Toxicology</i> , 2006, 19, 111-116.	3.3	66
85	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
86	Human Cytochrome P450 Enzyme Specificity for Bioactivation of Safrole to the Proximate Carcinogen 1- <i>Hydroxysafrole</i> . <i>Chemical Research in Toxicology</i> , 2004, 17, 1245-1250.	3.3	68
87	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
88	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
89	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
90	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

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91	Structure-Activity Study on the Quinone/Quinone Methide Chemistry of Flavonoids. <i>Chemical Research in Toxicology</i> , 2001, 14, 398-408.	3.3	146
92	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.	1.6	9
93	Peroxidase-Catalyzed Formation of Quercetin Quinone Methide-Glutathione Adducts. <i>Archives of Biochemistry and Biophysics</i> , 2000, 378, 224-233.	3.0	159
94	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
95	Anticancer Activity of New Substituted Pyrimidines, Their Thioglycosides and Thiazolopyrimidine Derivatives. <i>Journal of Applied Pharmaceutical Science</i> , 0, , .	1.0	10
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