

Moustafa T Gabr

List of Publications by Year in descending order

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52
papers

938
citations

430874

18
h-index

477307

29
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52
all docs

52
docs citations

52
times ranked

1475
citing authors

#	ARTICLE	IF	CITATIONS
1	Multitarget therapeutic strategies for Alzheimer's disease. <i>Neural Regeneration Research</i> , 2019, 14, 437.	3.0	120
2	Multitarget Therapeutic Strategies for Alzheimer's Disease: Review on Emerging Target Combinations. <i>BioMed Research International</i> , 2020, 2020, 1-27.	1.9	62
3	Synthesis and in vitro antitumor activity of new series of benzothiazole and pyrimido[2,1-b]benzothiazole derivatives. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 576-592.	5.5	56
4	A turn-on AIE active fluorescent sensor for Hg ²⁺ by combination of 1,1-bis(2-pyridyl)ethylene and thiophene/bithiophene fragments. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1654-1661.	5.9	46
5	Isatin- ¹² -thiocarbohydrazones: Microwave-assisted synthesis, antitumor activity and structure-activity relationship. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 36-44.	5.5	43
6	A fluorescent turn-on probe for cyanide anion detection based on an AIE active cobalt(II) complex. <i>Dalton Transactions</i> , 2018, 47, 2079-2085.	3.3	39
7	Discovery of new phenyl sulfonyl-pyrimidine carboxylate derivatives as the potential multi-target drugs with effective anti-Alzheimer's action: Design, synthesis, crystal structure and in-vitro biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113224.	5.5	37
8	Synthesis, antimicrobial, antiquorum-sensing and cytotoxic activities of new series of benzothiazole derivatives. <i>Chinese Chemical Letters</i> , 2015, 26, 1522-1528.	9.0	33
9	New series of benzothiazole and pyrimido[2,1-b]benzothiazole derivatives: synthesis, antitumor activity, EGFR tyrosine kinase inhibitory activity and molecular modeling studies. <i>Medicinal Chemistry Research</i> , 2015, 24, 860-878.	2.4	33
10	Design and synthesis of donepezil analogues as dual AChE and BACE-1 inhibitors. <i>Bioorganic Chemistry</i> , 2018, 80, 245-252.	4.1	32
11	Synthesis and aggregation-induced emission properties of pyridine and pyridinium analogues of tetraphenylethylene. <i>RSC Advances</i> , 2015, 5, 90226-90234.	3.6	28
12	A selective fluorescent sensor for Zn ²⁺ based on aggregation-induced emission (AIE) activity and metal chelating ability of bis(2-pyridyl)diphenylethylene. <i>Dalton Transactions</i> , 2016, 45, 14039-14043.	3.3	28
13	Rhenium tricarbonyl complexes of AIE active tetraarylethylene ligands: tuning luminescence properties and HSA-specific binding. <i>Dalton Transactions</i> , 2017, 46, 15040-15047.	3.3	27
14	Synthesis and Evaluation of Tetraarylethylene-based Mono-, Bis-, and Tris(pyridinium) Derivatives for Image-Guided Mitochondria-Specific Targeting and Cytotoxicity of Metastatic Melanoma Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 2424-2430.	3.6	25
15	Synthesis, in vitro antitumor activity and molecular modeling studies of a new series of benzothiazole Schiff bases. <i>Chinese Chemical Letters</i> , 2016, 27, 380-386.	9.0	24
16	Rhenium Complexes of Bis(benzothiazole)-Based Tetraarylethylenes as Selective Luminescent Probes for Amyloid Fibrils. <i>Chemistry - A European Journal</i> , 2018, 24, 11729-11737.	3.3	23
17	Mechanism of zinc ejection by disulfiram in nonstructural protein 5A. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12204-12215.	2.8	22
18	Discovery and Optimization of Small-Molecule Ligands for V-Domain Ig Suppressor of T-Cell Activation (VISTA). <i>Journal of the American Chemical Society</i> , 2020, 142, 16194-16198.	13.7	19

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19	MicroRNA-Based Multitarget Approach for Alzheimer's Disease: Discovery of the First-In-Class Dual Inhibitor of Acetylcholinesterase and MicroRNA-15b Biogenesis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9695-9704.	6.4	17
20	Structure-based design, synthesis, and evaluation of structurally rigid donepezil analogues as dual AChE and BACE-1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2910-2913.	2.2	16
21	Microwave-assisted synthesis, antimicrobial, anti-quorum-sensing and cytotoxic activities of a new series of isatin- β -thiocarbohydrazones. <i>Synthetic Communications</i> , 2018, 48, 2899-2911.	2.1	14
22	Dual Targeting of Monomeric Tau and β -Synuclein Aggregation: A New Multitarget Therapeutic Strategy for Neurodegeneration. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2051-2057.	3.5	13
23	Dual targeting of acetylcholinesterase and tau aggregation: Design, synthesis and evaluation of multifunctional deoxyvasicinone analogues for Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2021, 116, 105354.	4.1	13
24	Tris(2,2'-bipyridyl) ruthenium(II) electrochemiluminescence of glyoxal, glyoxylic acid, methylglyoxal, and acetaldehyde. <i>Electrochimica Acta</i> , 2013, 89, 139-143.	5.2	12
25	Microwave-assisted synthesis and antitumor evaluation of a new series of thiazolylcoumarin derivatives. <i>EXCLI Journal</i> , 2017, 16, 1114-1131.	0.7	12
26	Discovery of novel 6-hydroxybenzothiazole urea derivatives as dual Dyrk1A/ β -synuclein aggregation inhibitors with neuroprotective effects. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113911.	5.5	11
27	Platinum(II) Complexes with Sterically Expansive Tetraarylethylene Ligands as Probes for Mismatched DNA. <i>Inorganic Chemistry</i> , 2018, 57, 12641-12649.	4.0	10
28	EGFR tyrosine kinase targeted compounds: in vitro antitumor activity and molecular modeling studies of new benzothiazole and pyrimido[2,1-b]benzothiazole derivatives. <i>EXCLI Journal</i> , 2014, 13, 573-85.	0.7	10
29	Quinoline-Pyrazole Scaffold as a Novel Ligand of Galectin-3 and Suppressor of TREM2 Signaling. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1759-1765.	2.8	9
30	Molecular Imaging of Infective Endocarditis With ^{18}F Fluoromaltotriose Positron Emission Tomography-Computed Tomography. <i>Circulation</i> , 2020, 141, 1729-1731.	1.6	9
31	First dual binder of microRNA-146a and monomeric tau: a novel approach for multitargeted therapeutics for neurodegenerative diseases. <i>Chemical Communications</i> , 2020, 56, 9695-9698.	4.1	8
32	Discovery of a Histidine-Based Scaffold as an Inhibitor of Gut Microbial Choline Trimethylamine-Lyase. <i>ChemMedChem</i> , 2020, 15, 2273-2279.	3.2	8
33	Antioxidant, β -glucosidase inhibitory and <i>in vitro</i> antitumor activities of coumarin-benzothiazole hybrids. <i>Heterocyclic Communications</i> , 2018, 24, 243-247.	1.2	7
34	A Coumarin-Benzothiazole Derivative as a FRET-Based Chemosensor of Adenosine 5'-Triphosphate. <i>Chemosensors</i> , 2019, 7, 34.	3.6	7
35	A benzoxazole derivative as an inhibitor of anaerobic choline metabolism by human gut microbiota. <i>RSC Medicinal Chemistry</i> , 2020, 11, 1402-1412.	3.9	7
36	New synthesis of ^{18}F fluoromaltotriose for positron emission tomography imaging of bacterial infection. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020, 63, 466-475.	1.0	7

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37	Synthesis, molecular docking, antimicrobial, anti-quorum-sensing and antiproliferative activities of new series of pyrazolo[3,4- <i>b</i>]pyridine analogs. <i>Synthetic Communications</i> , 2019, 49, 2466-2487.	2.1	6
38	Peptidomimetic-based approach toward inhibitors of microbial trimethylamine lyases. <i>Chemical Biology and Drug Design</i> , 2021, 97, 231-236.	3.2	5
39	Structure-based drug design and biological evaluation of 2-acetamidobenzothiazole derivative as EGFR kinase inhibitor. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 160-165.	5.2	4
40	Pharmacophore-based tailoring of biphenyl amide derivatives as selective 5-hydroxytryptamine 2B receptor antagonists. <i>MedChemComm</i> , 2018, 9, 1069-1075.	3.4	4
41	Expanding the Toolbox for Label-Free Enzyme Assays: A Dinuclear Platinum(II) Complex/DNA Ensemble with Switchable Near-IR Emission. <i>Molecules</i> , 2019, 24, 4390.	3.8	4
42	Multitarget Therapeutics for Neurodegenerative Diseases. <i>BioMed Research International</i> , 2020, 2020, 1-2.	1.9	4
43	Emerging small-molecule therapeutic approaches for Alzheimer's disease and Parkinson's disease based on targeting microRNAs. <i>Neural Regeneration Research</i> , 2022, 17, 336.	3.0	4
44	Discovery of Hydroxybenzothiazole Urea Compounds as Multitargeted Agents Suppressing Major Cytotoxic Mechanisms in Neurodegenerative Diseases. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4302-4318.	3.5	4
45	Structure-Based Design and Synthesis of Fluorene Derivatives as Novel ROR^{-1} Inverse Agonists. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800244.	2.1	3
46	Synthesis, antiproliferative activity and autophagic flux inhibition of new arylsparteine derivatives. <i>Phytochemistry Letters</i> , 2018, 27, 203-207.	1.2	3
47	Discovery of biphenyl pyrazole scaffold for neurodegenerative diseases: A novel class of acetylcholinesterase-centered multitargeted ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127370.	2.2	3
48	Biological evaluation and pharmacokinetic profiling of a coumarin-benzothiazole hybrid as a new scaffold for human gliomas. <i>Medicine in Drug Discovery</i> , 2020, 7, 100012.	4.5	3
49	AIE Active Heteroarylethylenes. <i>ACS Symposium Series</i> , 2016, , 175-191.	0.5	1
50	Salts and Co-Crystalline Assemblies of Tetra(4-Pyridyl)Ethylene with Di-Carboxylic Acids. <i>Crystals</i> , 2018, 8, 41.	2.2	1
51	High-Throughput Platform for Real-Time Monitoring of ATP-Generating Enzymes in Living Cells Based on a Lanthanide Probe. <i>ACS Sensors</i> , 2020, 5, 1872-1876.	7.8	1
52	AIE Luminogens as Versatile Bioprobes. <i>Current Analytical Chemistry</i> , 2021, 17, 302-316.	1.2	1