Mohamed A Abdelgawad

List of Publications by Year
in descending order

90	1,642	279798 23	361022 35
papers	citations	h-index	g-index

90	90	90	1483
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design, synthesis and biological evaluation of some novel benzothiazole/benzoxazole and/or benzimidazole derivatives incorporating a pyrazole scaffold as antiproliferative agents. Bioorganic Chemistry, 2017, 74, 82-90.	4.1	79
2	Design, synthesis, mechanistic and histopathological studies of small-molecules of novel indole-2-carboxamides and pyrazino[1,2-a]indol-1(2H)-ones as potential anticancer agents effecting the reactive oxygen species production. European Journal of Medicinal Chemistry, 2018, 146, 260-273.	5.5	66
3	Design, synthesis and antitumor activity of novel pyrazolo[3,4-d]pyrimidine derivatives as EGFR-TK inhibitors. Bioorganic Chemistry, 2016, 66, 88-96.	4.1	63
4	Design, synthesis, analgesic, anti-inflammatory activity of novel pyrazolones possessing aminosulfonyl pharmacophore as inhibitors of COX-2/5-LOX enzymes: Histopathological and docking studies. Bioorganic Chemistry, 2018, 78, 103-114.	4.1	63
5	Design, synthesis and biological screening of new 4-thiazolidinone derivatives with promising COX-2 selectivity, anti-inflammatory activity and gastric safety profile. Bioorganic Chemistry, 2016, 64, 1-12.	4.1	59
6	Novel pyrimidine-pyridine hybrids: Synthesis, cyclooxygenase inhibition, anti-inflammatory activity and ulcerogenic liability. Bioorganic Chemistry, 2018, 77, 339-348.	4.1	59
7	Pyrazole-hydrazone derivatives as anti-inflammatory agents: Design, synthesis, biological evaluation, COX-1,2/5-LOX inhibition and docking study. Bioorganic Chemistry, 2017, 74, 212-220.	4.1	56
8	Synthesis, biological evaluation, docking study and ulcerogenicity profiling of some novel quinoline-2-carboxamides as dual COXs/LOX inhibitors endowed with anti-inflammatory activity. European Journal of Medicinal Chemistry, 2017, 127, 972-985.	5.5	49
9	New pyrimidine-benzoxazole/benzimidazole hybrids: Synthesis, antioxidant, cytotoxic activity, in vitro cyclooxygenase and phospholipase A2-V inhibition. Bioorganic Chemistry, 2019, 92, 103218.	4.1	49
10	Cubosomes as an emerging platform for drug delivery: a review of the state of the art. Journal of Materials Chemistry B, 2022, 10, 2781-2819.	5.8	39
11	Synthesis, cyclooxygenase inhibition, anti-inflammatory evaluation and ulcerogenic liability of novel triarylpyrazoline derivatives as selective COX-2 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5787-5791.	2.2	36
12	Synthesis and Anticancer Activity of Some New Pyrazolo[3,4-d]pyrimidin-4-one Derivatives. Molecules, 2014, 19, 3297-3309.	3.8	35
13	Design, synthesis and biological evaluation of new 4-(4-substituted-anilino)quinoline derivatives as anticancer agents. Medicinal Chemistry Research, 2017, 26, 929-939.	2.4	35
14	Design, Synthesis and Biological Evaluation of New HDAC1 and HDAC2 Inhibitors Endowed with Ligustrazine as a Novel Cap Moiety . Drug Design, Development and Therapy, 2020, Volume 14, 497-508.	4.3	35
15	Synthesis, Antiâ€‹scp›B‹/scp›reast Cancer Activity, and Molecular Modeling of Some Benzothiazole and Benzoxazole Derivatives. Archiv Der Pharmazie, 2013, 346, 534-541.	4.1	33
16	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification. Polymers, 2022, 14, 1594.	4.5	33
17	New benzothiazole/benzoxazole-pyrazole hybrids with potential as COX inhibitors: design, synthesis and anticancer activity evaluation. Research on Chemical Intermediates, 2017, 43, 3859-3872.	2.7	32
18	Strawberry and Ginger Silver Nanoparticles as Potential Inhibitors for SARS-CoV-2 Assisted by In Silico Modeling and Metabolic Profiling. Antibiotics, 2021, 10, 824.	3.7	31

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19	Sulfonamide-based 4-anilinoquinoline derivatives as novel dual Aurora kinase (AURKA/B) inhibitors: Synthesis, biological evaluation and in silico insights. Bioorganic and Medicinal Chemistry, 2020, 28, 115525.	3.0	28
20	Bacterial cellulose as a potential biopolymer in biomedical applications: a state-of-the-art review. Journal of Materials Chemistry B, 2022, 10, 3199-3241.	5.8	27
21	Halogenated Coumarinâ€“Chalcones as Multifunctional Monoamine Oxidase-B and Butyrylcholinesterase Inhibitors. ACS Omega, 2021, 6, 28182-28193.	3.5	26
22	2,4â€Ðisubstituted Phenylhydrazonopyrazolone and Isoxazolone Derivatives as Antibacterial Agents: Synthesis, Preliminary Biological Evaluation and Docking Studies. ChemistrySelect, 2018, 3, 3295-3301.	1.5	24
23	Synthesis and biological evaluation of novel 3-(quinolin-4-ylamino)benzenesulfonamides as carbonic anhydrase isoforms I and II inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1457-1464.	5.2	24
24	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. European Journal of Medicinal Chemistry, 2021, 218, 113360.	5.5	24
25	Morpholine-based chalcones as dual-acting monoamine oxidase-B and acetylcholinesterase inhibitors: synthesis and biochemical investigations. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 188-197.	5.2	24
26	Development of bromo- and fluoro-based Î±, Î²-unsaturated ketones as highly potent MAO-B inhibitors for the treatment of Parkinson's disease. Journal of Molecular Structure, 2022, 1266, 133545.	3.6	24
27	Enhancement of the Solubility and Bioavailability of Pitavastatin through a Self-Nanoemulsifying Drug Delivery System (SNEDDS). Pharmaceutics, 2022, 14, 482.	4.5	23
28	Trimethoxylated Halogenated Chalcones as Dual Inhibitors of MAO-B and BACE-1 for the Treatment of Neurodegenerative Disorders. Pharmaceutics, 2021, 13, 850.	4.5	22
29	Development of 3-methyl/3-(morpholinomethyl)benzofuran derivatives as novel antitumor agents towards non-small cell lung cancer cells. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 987-999.	5.2	21
30	Design, synthesis and biological screening of some novel celecoxib and etoricoxib analogs with promising COX-2 selectivity, anti-inflammatory activity and gastric safety profile. Bioorganic Chemistry, 2017, 70, 173-183.	4.1	20
31	Novel Phenolic Compounds as Potential Dual EGFR and COX-2 Inhibitors: Design, Semisynthesis, in vitro Biological Evaluation and in silico Insights. Drug Design, Development and Therapy, 2021, Volume 15, 2325-2337.	4.3	20
32	Design, Molecular Docking, Synthesis, Anticancer and Anti-Hyperglycemic Assessments of Thiazolidine-2,4-diones Bearing Sulfonylthiourea Moieties as Potent VEGFR-2 Inhibitors and PPARÎ³ Agonists. Pharmaceuticals, 2022, 15, 226.	3.8	20
33	Exploration of the Detailed Structureâ€“Activity Relationships of Isatin and Their Isomers As Monoamine Oxidase Inhibitors. ACS Omega, 2022, 7, 16244-16259.	3.5	19
34	Synthesis and Biological Evaluation of New Diarylpyrazole and Triarylimidazoline Derivatives as Selective COXâ€2 Inhibitors. Archiv Der Pharmazie, 2017, 350, 1600386.	4.1	18
35	Discovery of a COX-2 selective inhibitor hit with anti-inflammatory activity and gastric ulcer protective effect. Future Medicinal Chemistry, 2017, 9, 1899-1912.	2.3	18
36	Synthesis and anti-inflammatory evaluation of new 1,3,5-triaryl-4,5-dihydro-1H-pyrazole derivatives possessing an aminosulphonyl pharmacophore. Archives of Pharmacal Research, 2015, 38, 1932-1942.	6.3	17

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37	Olive Oil/Pluronic Oleogels for Skin Delivery of Quercetin: In Vitro Characterization and Ex Vivo Skin Permeability. Polymers, 2021, 13, 1808.	4.5	17
38	Cytotoxic Potential, Metabolic Profiling, and Liposomes of Coscinoderma sp. Crude Extract Supported by in silico Analysis. International Journal of Nanomedicine, 2021, Volume 16, 3861-3874.	6.7	17
39	Recent Progress and Potential Biomedical Applications of Electrospun Nanofibers in Regeneration of Tissues and Organs. Polymers, 2022, 14, 1508.	4.5	17
40	A New CDK2 Inhibitor with 3-Hydrazonoindolin-2-One Scaffold Endowed with Anti-Breast Cancer Activity: Design, Synthesis, Biological Evaluation, and In Silico Insights. Molecules, 2021, 26, 412.	3.8	16
41	The nutraceutical properties and health benefits of pseudocereals: a comprehensive treatise. Critical Reviews in Food Science and Nutrition, 2023, 63, 10217-10229.	10.3	15
42	Chitosan Silver and Gold Nanoparticle Formation Using Endophytic Fungi as Powerful Antimicrobial and Anti-Biofilm Potentialities. Antibiotics, 2022, 11, 668.	3.7	15
43	Biological investigation of N-methyl thiosemicarbazones as antimicrobial agents and bacterial carbonic anhydrases inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 986-993.	5.2	13
44	Design, Synthesis, Antioxidant and Anticancer Activity of New Coumarin Derivatives Linked with Thiazole, Isoxazole or Pyrazole Moiety. Letters in Drug Design and Discovery, 2017, 14, .	0.7	12
45	Chemical characteristics and targeted encapsulated Cordia myxa fruits extracts nanoparticles for antioxidant and cytotoxicity potentials. Saudi Journal of Biological Sciences, 2021, 28, 5349-5358.	3.8	12
46	Optimization of pyrazolo[1,5-a]pyrimidine based compounds with pyridine scaffold: Synthesis, biological evaluation and molecular modeling study. Arabian Journal of Chemistry, 2022, 15, 104015.	4.9	12
47	Azides in the Synthesis of Various Heterocycles. Molecules, 2022, 27, 3716.	3.8	12
48	Design, Synthesis, and Biological Evaluation of Pyridazinones Containing the (2-Fluorophenyl) Piperazine Moiety as Selective MAO-B Inhibitors. Molecules, 2020, 25, 5371.	3.8	11
49	Navigating into the Chemical Space of Monoamine Oxidase Inhibitors by Artificial Intelligence and Cheminformatics Approach. ACS Omega, 2021, 6, 23399-23411.	3.5	11
50	Conjugated Dienones from Differently Substituted Cinnamaldehyde as Highly Potent Monoamine Oxidase-B Inhibitors: Synthesis, Biochemistry, and Computational Chemistry. ACS Omega, 2022, 7, 8184-8197.	3.5	10
51	A new green approach for the reduction of consumed solvents and simultaneous quality control analysis of several pharmaceuticals using a fast and economic RP-HPLC method; a case study for a mixture of piracetam, ketoprofen and omeprazole drugs. RSC Advances, 2022, 12, 16301-16309.	3.6	10
52	Development of a Novel Class of Pyridazinone Derivatives as Selective MAO-B Inhibitors. Molecules, 2022, 27, 3801.	3.8	10
53	Design, synthesis and cytotoxic activity of some novel compounds containing pyrazolo[3,4-d]pyrimidines nucleus. Journal of Chemical Sciences, 2013, 125, 1029-1043.	1.5	9
54	Development of Halogenated Pyrazolines as Selective Monoamine Oxidase-B Inhibitors: Deciphering via Molecular Dynamics Approach. Molecules, 2021, 26, 3264.	3.8	9

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55	Docking Study, Synthesis, and Anti-Inflammatory Potential of Some New Pyridopyrimidine-Derived Compounds. Journal of Inflammation Research, 2022, Volume 15, 451-463.	3.5	9
56	The Chemical Profiling, Docking Study, and Antimicrobial and Antibiofilm Activities of the Endophytic fungi Aspergillus sp. AP5. Molecules, 2022, 27, 1704.	3.8	9
57	EGFR and COX-2 Dual Inhibitor: The Design, Synthesis, and Biological Evaluation of Novel Chalcones. Molecules, 2022, 27, 1158.	3.8	8
58	Emerging Anthelmintic Resistance in Poultry: Can Ethnopharmacological Approaches Offer a Solution?. Frontiers in Pharmacology, 2021, 12, 774896.	3.5	8
59	Assessment of Nasal-Brain-Targeting Efficiency of New Developed Mucoadhesive Emulsomes Encapsulating an Anti-Migraine Drug for Effective Treatment of One of the Major Psychiatric Disorders Symptoms. Pharmaceutics, 2022, 14, 410.	4.5	8
60	Design, Synthesis and Anticancer Profile of New 4-(1H-benzo[d]imidazol-1-yl)pyrimidin-2-amine-Linked Sulfonamide Derivatives with V600EBRAF Inhibitory Effect. International Journal of Molecular Sciences, 2021, 22, 10491.	4.1	7
61	Selected Class of Enamides Bearing Nitro Functionality as Dual-Acting with Highly Selective Monoamine Oxidase-B and BACE1 Inhibitors. Molecules, 2021, 26, 6004.	3.8	7
62	Replacement of Chalcone-Ethers with Chalcone-Thioethers as Potent and Highly Selective Monoamine Oxidase-B Inhibitors and Their Protein-Ligand Interactions. Pharmaceuticals, 2021, 14, 1148.	3.8	7
63	Investigation of Chemical Compositions and Biological Activities of Mentha suaveolens L. from Saudi Arabia. Molecules, 2022, 27, 2949.	3.8	7
64	New Benzoxazole Derivatives as Antiprotozoal Agents: In Silico Studies, Synthesis, and Biological Evaluation. Journal of Chemistry, 2021, 2021, 1-11.	1.9	6
65	Repurposing of FDA Approved Alkaloids as COVID 19 Inhibitors; in silico Studies. Pharmacognosy Journal, 2021, 13, 110-123.	0.8	6
66	A metaâ€analysis comparing efficiency of limbâ€salvage surgery vs amputation on patients with osteosarcoma treated with neoadjuvant chemotherapy. International Wound Journal, 2022, 19, 1616-1624.	2.9	6
67	Novel Pyridinium Based Ionic Liquid Promoter for Aqueous Knoevenagel Condensation: Green and Efficient Synthesis of New Derivatives with Their Anticancer Evaluation. Molecules, 2022, 27, 2940.	3.8	6
68	Revealing the role of fluorine pharmacophore in chalcone scaffold for shifting the MAO-B selectivity: investigation of a detailed molecular dynamics and quantum chemical study. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6126-6139.	3.5	5
69	Identification of non-classical hCA XII inhibitors using combination of computational approaches for drug design and discovery. Scientific Reports, 2021, 11, 15516.	3.3	5
70	Evaluation of Ligustrazine-Based Synthetic Compounds for their Antiproliferative Effects. Medicinal Chemistry, 2021, 17, 956-962.	1.5	5
71	Genetic Structure of Cucumber Mosaic Virus From Natural Hosts in Nigeria Reveals High Diversity and Occurrence of Putative Novel Recombinant Strains. Frontiers in Microbiology, 2022, 13, 753054.	3.5	5
72	Triazoloquinoxalines-based DNA intercalators-Topo II inhibitors: design, synthesis, docking, ADMET and anti-proliferative evaluations. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1556-1567.	5.2	5

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73	Synthesis of Nâ€²-(4-/3-/2-/Non-substituted benzylidene)-4-[(4-methylphenyl)sulfonyloxy] Benzohydrazides and Evaluation of Their Inhibitory Activities against Monoamine Oxidases and Î²-Secretase. Applied Sciences (Switzerland), 2021, 11, 5830.	2.5	4
74	Extended Double Bond Conjugation in the Chalcone Framework Favours MAO-B Inhibition: A Structural Perspective on Molecular Dynamics. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 2059-2069.	1.1	4
75	Simultaneous analysis of several antihypertensive drugs in different combinations: Application for determination of drug degradation products and process impurities. Microchemical Journal, 2021, 166, 106203.	4.5	3
76	Small Molecules as LIM Kinase Inhibitors. Current Medicinal Chemistry, 2021, 28, .	2.4	3
77	On dynamics of an eco-epidemics system incorporating fractional operators of singular and nonsingular types. Results in Physics, 2022, 34, 105259.	4.1	3
78	Impact of Dietary Egg Yolk IgY Powder on Behavior, Meat Quality, Physiology, and Intestinal Escherichia coli Colonization of Broiler Chicks. Frontiers in Veterinary Science, 2022, 9, 783094.	2.2	3
79	Antibacterial and Wound-Healing Activities of Statistically Optimized Nitrofurazone- and Lidocaine-Loaded Silica Microspheres by the Boxâ€“Behnken Design. Molecules, 2022, 27, 2532.	3.8	3
80	In Vitro Anti-Proliferative, and Kinase Inhibitory Activity of Phenanthroindolizidine Alkaloids Isolated from Tylophora indica. Plants, 2022, 11, 1295.	3.5	3
81	Efficiency of Multiple Extraction Solvents on Antioxidant, Cytotoxic, and Phytotoxic Potential of Taraxacum officinale (L.) Weber ex F.H. Wigg. from Poonch Valley, Azad Kashmir, Pakistan. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-9.	1.2	3
82	LC/MS Profiling and Gold Nanoparticle Formulation of Major Metabolites from Origanum majorana as Antibacterial and Antioxidant Potentialities. Plants, 2022, 11, 1871.	3.5	3
83	Design and optimization of a reversedâ€phase HPLC with diode array detection method for the determination of acemetacin and its toxic impurities using experimental design. Separation Science Plus, 2018, 1, 244-252.	0.6	2
84	Synthesis of New 1-Aryl-2-(3,5-dimethylpyrazol-1-yl)ethanone Oxime Ether Derivatives and Investigation of Their Cytotoxic Effects. Processes, 2021, 9, 2019.	2.8	2
85	Pioglitazone Synthetic Analogue Ameliorates Streptozotocin-Induced Diabetes Mellitus through Modulation of ACE 2/Angiotensin 1â€“7 via PI3K/AKT/mTOR Signaling Pathway. Pharmaceuticals, 2022, 15, 341.	3.8	2
86	Design, synthesis, and biological evaluation of novel pyrido-dipyrimidines as dual topoisomerase II/FLT3 inhibitors in leukemia cells. Bioorganic Chemistry, 2022, 122, 105752.	4.1	2
87	Solulan C24- and Bile Salts-Modified Niosomes for New Ciprofloxacin Mannich Base for Combatting Pseudomonas-Infected Corneal Ulcer in Rabbits. Pharmaceuticals, 2022, 15, 44.	3.8	2
88	Development and Greenness Assessment of HPLC Method for Studying the Pharmacokinetics of Co-Administered Metformin and Papaya Extract. Molecules, 2022, 27, 375.	3.8	1
89	A metaâ€analysis showing the effect of surgical site wound infections and associated risk factors in neonatal surgeries. International Wound Journal, 2022, , .	2.9	1
90	Effect of Hydroaloholic Extract of Rotula Aquatica Lour on Gentamicin-Induced Nephrotoxicity in Wistar Albino Rats: An In Vitro and In Vivo Approach. Journal of Biomedical Nanotechnology, 2022, 18, 884-890.	1.1	0