

Mohamed A Abdelgawad

List of Publications by Year in descending order

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90
papers

1,642
citations

279798
23
h-index

361022
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90
all docs

90
docs citations

90
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	The nutraceutical properties and health benefits of pseudocereals: a comprehensive treatise. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 10217-10229.	10.3	15
2	Development and Greenness Assessment of HPLC Method for Studying the Pharmacokinetics of Co-Administered Metformin and Papaya Extract. <i>Molecules</i> , 2022, 27, 375.	3.8	1
3	Docking Study, Synthesis, and Anti-Inflammatory Potential of Some New Pyridopyrimidine-Derived Compounds. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 451-463.	3.5	9
4	A meta-analysis comparing efficiency of limb salvage surgery vs amputation on patients with osteosarcoma treated with neoadjuvant chemotherapy. <i>International Wound Journal</i> , 2022, 19, 1616-1624.	2.9	6
5	Genetic Structure of Cucumber Mosaic Virus From Natural Hosts in Nigeria Reveals High Diversity and Occurrence of Putative Novel Recombinant Strains. <i>Frontiers in Microbiology</i> , 2022, 13, 753054.	3.5	5
6	EGFR and COX-2 Dual Inhibitor: The Design, Synthesis, and Biological Evaluation of Novel Chalcones. <i>Molecules</i> , 2022, 27, 1158.	3.8	8
7	On dynamics of an eco-epidemics system incorporating fractional operators of singular and nonsingular types. <i>Results in Physics</i> , 2022, 34, 105259.	4.1	3
8	Bacterial cellulose as a potential biopolymer in biomedical applications: a state-of-the-art review. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3199-3241.	5.8	27
9	Cubosomes as an emerging platform for drug delivery: a review of the state of the art. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2781-2819.	5.8	39
10	Conjugated Dienones from Differently Substituted Cinnamaldehyde as Highly Potent Monoamine Oxidase-B Inhibitors: Synthesis, Biochemistry, and Computational Chemistry. <i>ACS Omega</i> , 2022, 7, 8184-8197.	3.5	10
11	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. <i>Pharmaceutics</i> , 2022, 14, 410.	4.5	8
12	Design, Molecular Docking, Synthesis, Anticancer and Anti-Hyperglycemic Assessments of Thiazolidine-2,4-diones Bearing Sulfonylthiourea Moieties as Potent VEGFR-2 Inhibitors and PPAR β Agonists. <i>Pharmaceutics</i> , 2022, 15, 226.	3.8	20
13	Extended Double Bond Conjugation in the Chalcone Framework Favours MAO-B Inhibition: A Structural Perspective on Molecular Dynamics. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 2059-2069.	1.1	4
14	Enhancement of the Solubility and Bioavailability of Pitavastatin through a Self-Nanoemulsifying Drug Delivery System (SNEDDS). <i>Pharmaceutics</i> , 2022, 14, 482.	4.5	23
15	Pioglitazone Synthetic Analogue Ameliorates Streptozotocin-Induced Diabetes Mellitus through Modulation of ACE 2/Angiotensin 1 α 7 via PI3K/AKT/mTOR Signaling Pathway. <i>Pharmaceutics</i> , 2022, 15, 341.	3.8	2
16	The Chemical Profiling, Docking Study, and Antimicrobial and Antibiofilm Activities of the Endophytic fungi <i>Aspergillus</i> sp. AP5. <i>Molecules</i> , 2022, 27, 1704.	3.8	9
17	Biological investigation of <i>N</i> -methyl thiosemicarbazones as antimicrobial agents and bacterial carbonic anhydrases inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 986-993.	5.2	13
18	Impact of Dietary Egg Yolk IgY Powder on Behavior, Meat Quality, Physiology, and Intestinal <i>Escherichia coli</i> Colonization of Broiler Chicks. <i>Frontiers in Veterinary Science</i> , 2022, 9, 783094.	2.2	3

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19	Recent Progress and Potential Biomedical Applications of Electrospun Nanofibers in Regeneration of Tissues and Organs. <i>Polymers</i> , 2022, 14, 1508.	4.5	17
20	Design, synthesis, and biological evaluation of novel pyrido-dipyrimidines as dual topoisomerase II/FLT3 inhibitors in leukemia cells. <i>Bioorganic Chemistry</i> , 2022, 122, 105752.	4.1	2
21	Solulan C24- and Bile Salts-Modified Niosomes for New Ciprofloxacin Mannich Base for Combatting Pseudomonas-Infected Corneal Ulcer in Rabbits. <i>Pharmaceuticals</i> , 2022, 15, 44.	3.8	2
22	A meta-analysis showing the effect of surgical site wound infections and associated risk factors in neonatal surgeries. <i>International Wound Journal</i> , 2022, , .	2.9	1
23	Antibacterial and Wound-Healing Activities of Statistically Optimized Nitrofurazone- and Lidocaine-Loaded Silica Microspheres by the Box-Behnken Design. <i>Molecules</i> , 2022, 27, 2532.	3.8	3
24	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification. <i>Polymers</i> , 2022, 14, 1594.	4.5	33
25	Investigation of Chemical Compositions and Biological Activities of <i>Mentha suaveolens</i> L. from Saudi Arabia. <i>Molecules</i> , 2022, 27, 2949.	3.8	7
26	Exploration of the Detailed Structure-Activity Relationships of Isatin and Their Isomers As Monoamine Oxidase Inhibitors. <i>ACS Omega</i> , 2022, 7, 16244-16259.	3.5	19
27	Novel Pyridinium Based Ionic Liquid Promoter for Aqueous Knoevenagel Condensation: Green and Efficient Synthesis of New Derivatives with Their Anticancer Evaluation. <i>Molecules</i> , 2022, 27, 2940.	3.8	6
28	In Vitro Anti-Proliferative, and Kinase Inhibitory Activity of Phenanthroindolizidine Alkaloids Isolated from <i>Tylophora indica</i> . <i>Plants</i> , 2022, 11, 1295.	3.5	3
29	Chitosan Silver and Gold Nanoparticle Formation Using Endophytic Fungi as Powerful Antimicrobial and Anti-Biofilm Potentialities. <i>Antibiotics</i> , 2022, 11, 668.	3.7	15
30	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. <i>RSC Advances</i> , 2022, 12, 16301-16309.	3.6	10
31	Triazoloquinoxalines-based DNA intercalators-Topo II inhibitors: design, synthesis, docking, ADMET and anti-proliferative evaluations. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1556-1567.	5.2	5
32	Efficiency of Multiple Extraction Solvents on Antioxidant, Cytotoxic, and Phytotoxic Potential of <i>Taraxacum officinale</i> (L.) Weber ex F.H. Wigg. from Poonch Valley, Azad Kashmir, Pakistan. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-9.	1.2	3
33	Optimization of pyrazolo[1,5-a]pyrimidine based compounds with pyridine scaffold: Synthesis, biological evaluation and molecular modeling study. <i>Arabian Journal of Chemistry</i> , 2022, 15, 104015.	4.9	12
34	Effect of Hydroalcoholic Extract of <i>Rotula Aquatica</i> Lour on Gentamicin-Induced Nephrotoxicity in Wistar Albino Rats: An In Vitro and In Vivo Approach. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 884-890.	1.1	0
35	Development of a Novel Class of Pyridazinone Derivatives as Selective MAO-B Inhibitors. <i>Molecules</i> , 2022, 27, 3801.	3.8	10
36	Azides in the Synthesis of Various Heterocycles. <i>Molecules</i> , 2022, 27, 3716.	3.8	12

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37	Development of bromo- and fluoro-based $\hat{1}\pm, \hat{1}^2$ -unsaturated ketones as highly potent MAO-B inhibitors for the treatment of Parkinson's disease. <i>Journal of Molecular Structure</i> , 2022, 1266, 133545.	3.6	24
38	LC/MS Profiling and Gold Nanoparticle Formulation of Major Metabolites from <i>Origanum majorana</i> as Antibacterial and Antioxidant Potentialities. <i>Plants</i> , 2022, 11, 1871.	3.5	3
39	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. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6126-6139.	3.5	5
40	Development of 3-methyl/3-(morpholinomethyl)benzofuran derivatives as novel antitumor agents towards non-small cell lung cancer cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 987-999.	5.2	21
41	New Benzoxazole Derivatives as Antiprotozoal Agents: In Silico Studies, Synthesis, and Biological Evaluation. <i>Journal of Chemistry</i> , 2021, 2021, 1-11.	1.9	6
42	Novel Phenolic Compounds as Potential Dual EGFR and COX-2 Inhibitors: Design, Semisynthesis, in vitro Biological Evaluation and in silico Insights. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 2325-2337.	4.3	20
43	Olive Oil/Pluronic Oleogels for Skin Delivery of Quercetin: In Vitro Characterization and Ex Vivo Skin Permeability. <i>Polymers</i> , 2021, 13, 1808.	4.5	17
44	Development of Halogenated Pyrazolines as Selective Monoamine Oxidase-B Inhibitors: Deciphering via Molecular Dynamics Approach. <i>Molecules</i> , 2021, 26, 3264.	3.8	9
45	Cytotoxic Potential, Metabolic Profiling, and Liposomes of <i>Coscinoderma</i> sp. Crude Extract Supported by in silico Analysis. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3861-3874.	6.7	17
46	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113360.	5.5	24
47	Trimethoxylated Halogenated Chalcones as Dual Inhibitors of MAO-B and BACE-1 for the Treatment of Neurodegenerative Disorders. <i>Pharmaceutics</i> , 2021, 13, 850.	4.5	22
48	Synthesis of N- $\hat{2}$ -(4-/3-/2-/Non-substituted benzylidene)-4-[(4-methylphenyl)sulfonyloxy] Benzohydrazides and Evaluation of Their Inhibitory Activities against Monoamine Oxidases and $\hat{1}^2$ -Secretase. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5830.	2.5	4
49	Strawberry and Ginger Silver Nanoparticles as Potential Inhibitors for SARS-CoV-2 Assisted by In Silico Modeling and Metabolic Profiling. <i>Antibiotics</i> , 2021, 10, 824.	3.7	31
50	Identification of non-classical hCA XII inhibitors using combination of computational approaches for drug design and discovery. <i>Scientific Reports</i> , 2021, 11, 15516.	3.3	5
51	Simultaneous analysis of several antihypertensive drugs in different combinations: Application for determination of drug degradation products and process impurities. <i>Microchemical Journal</i> , 2021, 166, 106203.	4.5	3
52	Navigating into the Chemical Space of Monoamine Oxidase Inhibitors by Artificial Intelligence and Cheminformatics Approach. <i>ACS Omega</i> , 2021, 6, 23399-23411.	3.5	11
53	Design, Synthesis and Anticancer Profile of New 4-(1H-benzo[d]imidazol-1-yl)pyrimidin-2-amine-Linked Sulfonamide Derivatives with V600EBRAF Inhibitory Effect. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10491.	4.1	7
54	Chemical characteristics and targeted encapsulated <i>Cordia myxa</i> fruits extracts nanoparticles for antioxidant and cytotoxicity potentials. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5349-5358.	3.8	12

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55	A New CDK2 Inhibitor with 3-Hydrazonoindolin-2-One Scaffold Endowed with Anti-Breast Cancer Activity: Design, Synthesis, Biological Evaluation, and In Silico Insights. <i>Molecules</i> , 2021, 26, 412.	3.8	16
56	Repurposing of FDA Approved Alkaloids as COVID 19 Inhibitors; in silico Studies. <i>Pharmacognosy Journal</i> , 2021, 13, 110-123.	0.8	6
57	Morpholine-based chalcones as dual-acting monoamine oxidase-B and acetylcholinesterase inhibitors: synthesis and biochemical investigations. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 188-197.	5.2	24
58	Evaluation of Ligustrazine-Based Synthetic Compounds for their Antiproliferative Effects. <i>Medicinal Chemistry</i> , 2021, 17, 956-962.	1.5	5
59	Selected Class of Enamides Bearing Nitro Functionality as Dual-Acting with Highly Selective Monoamine Oxidase-B and BACE1 Inhibitors. <i>Molecules</i> , 2021, 26, 6004.	3.8	7
60	Halogenated Coumarinâ€“Chalcones as Multifunctional Monoamine Oxidase-B and Butyrylcholinesterase Inhibitors. <i>ACS Omega</i> , 2021, 6, 28182-28193.	3.5	26
61	Small Molecules as LIM Kinase Inhibitors. <i>Current Medicinal Chemistry</i> , 2021, 28, .	2.4	3
62	Replacement of Chalcone-Ethers with Chalcone-Thioethers as Potent and Highly Selective Monoamine Oxidase-B Inhibitors and Their Protein-Ligand Interactions. <i>Pharmaceuticals</i> , 2021, 14, 1148.	3.8	7
63	Synthesis of New 1-Aryl-2-(3,5-dimethylpyrazol-1-yl)ethanone Oxime Ether Derivatives and Investigation of Their Cytotoxic Effects. <i>Processes</i> , 2021, 9, 2019.	2.8	2
64	Emerging Anthelmintic Resistance in Poultry: Can Ethnopharmacological Approaches Offer a Solution?. <i>Frontiers in Pharmacology</i> , 2021, 12, 774896.	3.5	8
65	Design, Synthesis, and Biological Evaluation of Pyridazinones Containing the (2-Fluorophenyl) Piperazine Moiety as Selective MAO-B Inhibitors. <i>Molecules</i> , 2020, 25, 5371.	3.8	11
66	<p>Design, Synthesis and Biological Evaluation of New HDAC1 and HDAC2 Inhibitors Endowed with Ligustrazine as a Novel Cap Moiety</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 497-508.	4.3	35
67	Sulfonamide-based 4-anilinoquinoline derivatives as novel dual Aurora kinase (AURKA/B) inhibitors: Synthesis, biological evaluation and in silico insights. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115525.	3.0	28
68	Synthesis and biological evaluation of novel 3-(quinolin-4-ylamino)benzenesulfonamides as carbonic anhydrase isoforms I and II inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 1457-1464.	5.2	24
69	New pyrimidine-benzoxazole/benzimidazole hybrids: Synthesis, antioxidant, cytotoxic activity, in vitro cyclooxygenase and phospholipase A2-V inhibition. <i>Bioorganic Chemistry</i> , 2019, 92, 103218.	4.1	49
70	Design, synthesis, analgesic, anti-inflammatory activity of novel pyrazolones possessing aminosulfonyl pharmacophore as inhibitors of COX-2/5-LOX enzymes: Histopathological and docking studies. <i>Bioorganic Chemistry</i> , 2018, 78, 103-114.	4.1	63
71	Design and optimization of a reversedâ€“phase HPLC with diode array detection method for the determination of acetaminophen and its toxic impurities using experimental design. <i>Separation Science Plus</i> , 2018, 1, 244-252.	0.6	2
72	2,4â€“Disubstituted Phenylhydrazonopyrazolone and Isoxazolone Derivatives as Antibacterial Agents: Synthesis, Preliminary Biological Evaluation and Docking Studies. <i>ChemistrySelect</i> , 2018, 3, 3295-3301.	1.5	24

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73	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. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 260-273.	5.5	66
74	Novel pyrimidine-pyridine hybrids: Synthesis, cyclooxygenase inhibition, anti-inflammatory activity and ulcerogenic liability. <i>Bioorganic Chemistry</i> , 2018, 77, 339-348.	4.1	59
75	Design, synthesis and biological evaluation of new 4-(4-substituted-anilino)quinoline derivatives as anticancer agents. <i>Medicinal Chemistry Research</i> , 2017, 26, 929-939.	2.4	35
76	Synthesis and Biological Evaluation of New Diarylpyrazole and Triarylimidazoline Derivatives as Selective COX-2 Inhibitors. <i>Archiv Der Pharmazie</i> , 2017, 350, 1600386.	4.1	18
77	Design, synthesis and biological screening of some novel celecoxib and etoricoxib analogs with promising COX-2 selectivity, anti-inflammatory activity and gastric safety profile. <i>Bioorganic Chemistry</i> , 2017, 70, 173-183.	4.1	20
78	New benzothiazole/benzoxazole-pyrazole hybrids with potential as COX inhibitors: design, synthesis and anticancer activity evaluation. <i>Research on Chemical Intermediates</i> , 2017, 43, 3859-3872.	2.7	32
79	Discovery of a COX-2 selective inhibitor hit with anti-inflammatory activity and gastric ulcer protective effect. <i>Future Medicinal Chemistry</i> , 2017, 9, 1899-1912.	2.3	18
80	Pyrazole-hydrazone derivatives as anti-inflammatory agents: Design, synthesis, biological evaluation, COX-1,2/5-LOX inhibition and docking study. <i>Bioorganic Chemistry</i> , 2017, 74, 212-220.	4.1	56
81	Design, synthesis and biological evaluation of some novel benzothiazole/benzoxazole and/or benzimidazole derivatives incorporating a pyrazole scaffold as antiproliferative agents. <i>Bioorganic Chemistry</i> , 2017, 74, 82-90.	4.1	79
82	Synthesis, biological evaluation, docking study and ulcerogenicity profiling of some novel quinoline-2-carboxamides as dual COXs/LOX inhibitors endowed with anti-inflammatory activity. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 972-985.	5.5	49
83	Design, Synthesis, Antioxidant and Anticancer Activity of New Coumarin Derivatives Linked with Thiazole, Isoxazole or Pyrazole Moiety. <i>Letters in Drug Design and Discovery</i> , 2017, 14, .	0.7	12
84	Design, synthesis and antitumor activity of novel pyrazolo[3,4-d]pyrimidine derivatives as EGFR-TK inhibitors. <i>Bioorganic Chemistry</i> , 2016, 66, 88-96.	4.1	63
85	Design, synthesis and biological screening of new 4-thiazolidinone derivatives with promising COX-2 selectivity, anti-inflammatory activity and gastric safety profile. <i>Bioorganic Chemistry</i> , 2016, 64, 1-12.	4.1	59
86	Synthesis and anti-inflammatory evaluation of new 1,3,5-triaryl-4,5-dihydro-1H-pyrazole derivatives possessing an aminosulphonyl pharmacophore. <i>Archives of Pharmacal Research</i> , 2015, 38, 1932-1942.	6.3	17
87	Synthesis, cyclooxygenase inhibition, anti-inflammatory evaluation and ulcerogenic liability of novel triarylpyrazoline derivatives as selective COX-2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5787-5791.	2.2	36
88	Synthesis and Anticancer Activity of Some New Pyrazolo[3,4-d]pyrimidin-4-one Derivatives. <i>Molecules</i> , 2014, 19, 3297-3309.	3.8	35
89	Design, synthesis and cytotoxic activity of some novel compounds containing pyrazolo[3,4-d]pyrimidines nucleus. <i>Journal of Chemical Sciences</i> , 2013, 125, 1029-1043.	1.5	9
90	Synthesis, Anticancer Activity, and Molecular Modeling of Some Benzothiazole and Benzoxazole Derivatives. <i>Archiv Der Pharmazie</i> , 2013, 346, 534-541.	4.1	33