Hayreddin Gezegen

List of Publications by Year
in descending order

53 papers	1,281 citations	394421 19 h-index	377865 34 g-index
59 all docs	59 docs citations	59 times ranked	935 citing authors

#	Article	IF	Citations
1	Synthesis of chalcone-imide derivatives and investigation of their anticancer and antimicrobial activities, carbonic anhydrase and acetylcholinesterase enzymes inhibition profiles. Archives of Physiology and Biochemistry, 2018, 124, 61-68.	2.1	129
2	Synthesis, characterization, anticancer, antimicrobial and carbonic anhydrase inhibition profiles of novel (3a R ,4 S ,7 R ,7a S)-2-(4-((E)-3-(3-aryl)acryloyl)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (phenyl)-3a,4,7,7a-tetrahydro-1H-4 2017, 70, 118-125.	4.1	89
3	Synthesis of some novel pyridine compounds containing bisâ€1,2,4â€triazole/thiosemicarbazide moiety and investigation of their antioxidant properties, carbonic anhydrase, and acetylcholinesterase enzymes inhibition profiles. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22006.	3.0	81
4	Discovery of Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors: 2-Aminoindan Î²-Lactam Derivatives. International Journal of Molecular Sciences, 2016, 17, 1736.	4.1	66
5	Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors. Journal of Molecular Structure, 2019, 1175, 906-915.	3.6	64
6	Screening of Biological Activities of a Series of Chalcone Derivatives against Human Pathogenic Microorganisms. Chemistry and Biodiversity, 2010, 7, 400-408.	2.1	57
7	In vitro cytotoxic and in vivo antitumoral activities of some aminomethyl derivatives of 2,4â€dihydroâ€3Hâ€1,2,4â€triazoleâ€3â€thionesâ€"Evaluation of their acetylcholinesterase and carbonic anhydrase enzymes inhibition profiles. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22239.	3.0	46
8	Synthesis and Carbonic Anhydrase Inhibition of Novel 2â€(4â€(Aryl)thiazoleâ€2â€yl)â€3a,4,7,7aâ€tetrahydroâ€1Hâ€4,7â€methanoisoindoleâ€1,3(2H)â€dione Derivatives. Archiv Der Pharmazie, 2016, 349, 955-963.	4.1	44
9	Investigation of acetylcholinesterase and mammalian DNA topoisomerases, carbonic anhydrase inhibition profiles, and cytotoxic activity of novel bis(Î±â€aminoalkyl)phosphinic acid derivatives against human breast cancer. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21971.	3.0	43
10	Evaluation of acetylcholinesterase and carbonic anhydrase inhibition profiles of 1,2,3,4,6-pentasubstituted-4-hydroxy-cyclohexanes. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21938.	3.0	41
11	Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives. Archiv Der Pharmazie, 2017, 350, 1700198.	4.1	41
12	Synthesis, carbonic anhydrase I and II isoenzymes inhibition properties, and antibacterial activities of novel tetralone-based 1,4-benzothiazepine derivatives. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21872.	3.0	41
13	Inhibitory effects of oxytocin and oxytocin receptor antagonist atosiban on the activities of carbonic anhydrase and acetylcholinesterase enzymes in the liver and kidney tissues of rats. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21972.	3.0	40
14	Synthesis and investigation of antibacterial activities and carbonic anhydrase and acetyl cholinesterase inhibition profiles of novel 4,5-dihydropyrazol and pyrazolyl-thiazole derivatives containing methanoisoindol-1,3-dion unit. Synthetic Communications, 2017, 47, 2313-2323.	2.1	39
15	Aminopyrazoleâ€substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. Archiv Der Pharmazie, 2019, 352, e1800292.	4.1	30
16	Purification of glucose-6-phosphate dehydrogenase fromrat(Rattus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (norvegicu Journal of Biochemical and Molecular Toxicology, 2017, 31, e21927.	3.0	29
17	Synthesis, characterization, and SAR of arylated indenoquinolineâ€based cholinesterase and carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2018, 351, e1800167.	4.1	27
18	Biologically active phthalocyanine metal complexes:ÂPreparation, evaluation of Î±â€glycosidase andÂanticholinesterase enzyme inhibition activities, and molecular docking studies. Journal of Biochemical and Molecular Toxicology, 2021, 35, 1-9.	3.0	26

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19	Purification of glutathione Sâ€transferase enzyme from quail liver tissue and inhibition effects of (3aR,4S,7R,7aS)â€2â€(4â€((E)â€3â€(aryl)acryloyl)phenyl)â€3a,4,7,7aâ€tetrahydroâ€1Hâ€4,7â€methanoisoindoleâ€1,3â€dione derivatives on the enzyme activity. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22034.	3.0	24
20	1,2,3-Triazole substituted phthalocyanine metal complexes as potential inhibitors for anticholinesterase and antidiabetic enzymes with molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4429-4439.	3.5	24
21	Synthesis, molecular docking, and biological activities of new cyanopyridine derivatives containing phenylurea. Archiv Der Pharmazie, 2021, 354, e2000334.	4.1	23
22	Synthesis, characterization, and biological studies of chalcone derivatives containing Schiff bases: Synthetic derivatives for the treatment of epilepsy and Alzheimer's disease. Archiv Der Pharmazie, 2020, 353, e2000202.	4.1	22
23	Evaluation of antimicrobial, antibiofilm and carbonic anhydrase inhibition profiles of 1,3â€bisâ€chalcone derivatives. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22281.	3.0	19
24	The synthesis and screening of the antimicrobial activity of some novel 3-(furan-2-yl)-1-(aryl)-3-(phenylthio) propan-1-one derivatives. Medicinal Chemistry Research, 2011, 20, 109-115.	2.4	17
25	Threeâ€step synthesis of 2,4â€diarylâ€5,6,7,8â€tetrahydroquinoline derivatives. Journal of Heterocyclic Chemistry, 2010, 47, 1017-1024.	2.6	16
26	Potassiumâ€"Tertiary Butoxideâ€"Assisted Addition of Thioglicolic Acid to Chalcone Derivatives Under Solvent-Free Conditions. Synthetic Communications, 2010, 40, 2598-2606.	2.1	15
27	Inhibitory effects of some drugs on carbonic anhydrase enzyme purified from Kangal Akkaraman sheep in Sivas, Turkey. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22000.	3.0	15
28	Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22172.	3.0	15
29	The effects of wireless electromagnetic fields on the activities of carbonic anhydrase and acetylcholinesterase enzymes in various tissues of rats. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22031.	3.0	14
30	Biological effects and molecular docking studies of Catechin 5-O-gallate: antioxidant, anticholinergics, antiepileptic and antidiabetic potentials. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2489-2497.	3.5	14
31	Potential thiosemicarbazoneâ€based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations. Journal of Biochemical and Molecular Toxicology, 2022, 36, e23018.	3.0	14
32	ADME properties, bioactivity and molecular docking studies of 4-amino-chalcone derivatives: new analogues for the treatment of Alzheimer, glaucoma and epileptic diseases. In Silico Pharmacology, 2021, 9, 34.	3.3	12
33	Synthesis and Biological Evaluation of Novel 1â€(4â€(Hydroxy(1â€oxoâ€1,3â€dihydroâ€2Hâ€indenâ€2â€ylidene)methyl)phenyl)â€3â€phenylurea Derivatives. Chemistry and Biodiversity, 2017, 14, e1700223.	2.1	11
34	SAR Evaluation of Disubstituted Tacrine Analogues as Promising Cholinesterase and Carbonic Anhydrase Inhibitors. Indian Journal of Pharmaceutical Education and Research, 2019, 53, 268-275.	0.6	11
35	Iodine-Catalyzed Addition of Methyl Thioglycolate to Chalcones. Phosphorus, Sulfur and Silicon and the Related Elements, 2012, 187, 889-898.	1.6	10
36	Synthesis and Screening Antimicrobial Activities of Novel 1,3-Diaryl-3- (Phenylthio)Propan-1-One Derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 2012, 187, 580-586.	1.6	9

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37	Alternate Method for the Synthesis of Six-Membered Carbocycles with Five Stereocenters: 1,2,3,4,6-Pentasubstituted-4-hydroxy-cyclohexanes. Synthetic Communications, 2015, 45, 2344-2349.	2.1	8
38	Synthesis and biological evaluation of novel indenopyrazole derivatives. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22285.	3.0	8
39	Synthesis of diaryl urea derivatives and evaluation of their antiproliferative activities in colon adenocarcinoma. Journal of Molecular Structure, 2022, 1254, 132318.	3.6	7
40	Synthesis, Characterization, and Antibacterial Activity of Novel Pyridones. Synthetic Communications, 2014, 44, 1084-1093.	2.1	5
41	The Effects of Oxytocin and Oxytocin Receptor Antagonist Atosiban on the Carbonic Anhydrase and Acetylcholinesterase Enzymes from Lung Tissues of Rats. Cumhuriyet Science Journal, 2017, 38, 450-460.	0.3	5
42	Composition characterization and biological activity study of Thymbra spicata l. var. spicata essential oil. Cumhuriyet Science Journal, 2021, 42, 565-575.	0.3	4
43	Investigation of Inhibition Effect of Oxytocin on Carbonic Anhydrase and Acetylcholinesterase Enzymes in the Heart Tissues of Rats. Journal of the Institute of Science and Technology, 2018, 8, 199-207.	0.9	4
44	Synthesis of 3,5â€Diarylcyclohexâ€2â€enones by NH₄Cl/HClâ€Catalyzed Cyclization and Deacetylation of 4â€Acetylhexaneâ€1,5â€diones. Helvetica Chimica Acta, 2015, 98, 253-259.	1.6	3
45	Synthesis and Antimicrobial Activity of Racemic 1,5â€Diols: 2â€(1,3â€Diarylâ€3â€hydroxypropyl)cyclohexanâ€1â€ol Derivatives. Helvetica Chimica Acta, 2016, 99, 608-616.	1.6	3
46	Sivas da YetiÅŸen Endemik Bir Bitki Olan Astragalus Dumanii'nin Antikolinerjik, Antidiyabetik ve Antioksidan Aktivitesinin DeÄŸerlendirilmesi. KahramanmaraÅŸ SÃ¼tÃ§Ã¼ Ä°mam Ãœniversitesi TarÄ±m Ve DoÄŸa Dergisi, 2022, 25, 1-10.	0.7	3
47	Crystal structure of racemic [(1R,2S,3R,4S,6S)-2,6-bis(furan-2-yl)-4-hydroxy-4-(thiophen-2-yl)cyclohexane-1,3-diyl]bis(thiophen-2-ylmethanone). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 976-979.	0.5	3
48	Michael/Michael Addition Cascade of 2â€Benzylideneâ€1â€indanones with Chalcones: Synthesis and Biological Evaluations of Novel Polycyclic Compounds. ChemistrySelect, 2021, 6, 9625-9631.	1.5	2
49	2-(4-Bromophenyl)-4-(4-methoxyphenyl)-6,7,8,9-tetrahydro-5H-cyclohepta[b]pyridine. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o956-o956.	0.2	2
50	2-[1-(4-Bromophenyl)-3-hydroxy-3-(4-methoxyphenyl)propyl]cyclohexanol. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1091-o1092.	0.2	1
51	N-(4-Chlorophenyl)-Nâ€²-{4-[(Z)-hydroxy(1-oxo-1,3-dihydro-2H-inden-2-ylidene)methyl]phenyl}urea. IUCrData, 2018, 3, .	0.3	1
52	Alternate Method for the Dimerization of 2-Benzylidene inden-1-one Derivatives: Synthesis of 1,3-Diaryl-1,3,3a,8a-tetrahydro-8H-spiro[cyclopenta[a]indene-2,2'-indene]-1',8(3'H)-diones. Cumhuriyet Science Journal, 2017, 38, 594-601.	0.3	1
53	Synthesis and in vitro antimicrobial activity of novel 2-(3-oxo-1,3-diarylpropylthio)acetic acid derivatives. Acta Poloniae Pharmaceutica, 2012, 69, 893-900.	0.1	1