

# Umit M Kocyigit

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,287  
citations

331259

21  
h-index

360668

35  
g-index

41  
all docs

41  
docs citations

41  
times ranked

872  
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.	1.0	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.	2.0	89
3	Synthesis of some novel pyridine compounds containing bis(1,2,4-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.	1.4	81
4	Discovery of Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors: 2-Aminoindan 1 <sup>2</sup> -Lactam Derivatives. International Journal of Molecular Sciences, 2016, 17, 1736.	1.8	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.	1.8	64
6	Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and 1- $\alpha$ -glycosidase and molecular docking studies. Archiv Der Pharmazie, 2020, 353, e2000118.	2.1	58
7	In vitro cytotoxic and in vivo antitumoral activities of some aminomethyl derivatives of 2,4-dihydro-1,2,4-triazole-3-thiones Evaluation of their acetylcholinesterase and carbonic anhydrase enzymes inhibition profiles. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22239.	1.4	46
8	Synthesis and Carbonic Anhydrase Inhibition of Novel 2-(4-(Aryl)thiazole-2-yl)-3a,4,7,7a-tetrahydro-1,4-methanoisindole-1,3-dione Derivatives. Archiv Der Pharmazie, 2016, 349, 955-963.	1.4	41
9	Investigation of acetylcholinesterase and mammalian DNA topoisomerases, carbonic anhydrase inhibition profiles, and cytotoxic activity of novel bis(1- $\alpha$ -aminoalkyl)phosphinic acid derivatives against human breast cancer. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21971.	1.4	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.	1.4	41
11	Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives. Archiv Der Pharmazie, 2017, 350, 1700198.	2.1	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.	1.4	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.	1.4	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 methanoisindol-1,3-dion unit. Synthetic Communications, 2017, 47, 2313-2323.	1.1	39
15	Design, synthesis, characterization, biological evaluation, and molecular docking studies of novel 1,2-aminopropanthiols substituted derivatives as selective carbonic anhydrase, acetylcholinesterase and 1- $\alpha$ -glycosidase enzymes inhibitors. Journal of Biomolecular Structure and Dynamics, 2022, 40, 236-248.	2.0	32
16	Synthesis and investigation of anticancer, antibacterial activities and carbonic anhydrase, acetylcholinesterase inhibition profiles of novel (3aR,4S,7R,7aS)-2-[4-[1-acetyl-5-(aryl/heteroaryl)-4,5-dihydro-1H-pyrazol-3-yl]phenyl]-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3-dione Derivatives. Monatshefte Für Chemie, 2019, 150, 721-731.	0.9	31
17	Aminopyrazole-substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. Archiv Der Pharmazie, 2019, 352, e1800292.	2.1	30
18	Quinoline-based promising anticancer and antibacterial agents, and some metabolic enzyme inhibitors. Archiv Der Pharmazie, 2020, 353, e2000086.	2.1	29

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19	Synthesis, characterization, and SAR of arylated indenoquinoline-based cholinesterase and carbonic anhydrase inhibitors. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800167.	2.1	27
20	Biologically active phthalocyanine metal complexes: Preparation, evaluation of glycosidase and anticholinesterase enzyme inhibition activities, and molecular docking studies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, 1-9.	1.4	26
21	Purification of glutathione S-transferase enzyme from quail liver tissue and inhibition effects of (3- <i>R</i> ,4- <i>S</i> ,7- <i>R</i> ,7- <i>S</i> )-(2-(4-(( <i>E</i> )-3-(aryl)acryloyl)phenyl)-3,4,7,7-tetrahydro-1 <i>H</i> -2 <i>H</i> -1 <i>H</i> -benzofuran-5-ylidene)imidazole-5-carboxamide derivatives on the enzyme activity. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22034.	1.4	24
22	1,2,3-Triazole substituted phthalocyanine metal complexes as potential inhibitors for anticholinesterase and antidiabetic enzymes with molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4429-4439.	2.0	24
23	Novel piperazine and morpholine substituted quinolines: Selective synthesis through activation of 3,6,8-tribromoquinoline, characterization and their some metabolic enzymes inhibition potentials. <i>Journal of Molecular Structure</i> , 2020, 1220, 128666.	1.8	23
24	Synthesis, molecular docking, and biological activities of new cyanopyridine derivatives containing phenylurea. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000334.	2.1	23
25	Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 733-741.	2.0	22
26	Synthesis, characterization, and biological studies of chalcone derivatives containing Schiff bases: Synthetic derivatives for the treatment of epilepsy and Alzheimer's disease. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000202.	2.1	22
27	Evaluation of antimicrobial, antibiofilm and carbonic anhydrase inhibition profiles of 1,3-bis-chalcone derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22281.	1.4	19
28	Determination of biological studies and molecular docking calculations of isatin-thiosemicarbazone hybrid compounds. <i>Journal of Molecular Structure</i> , 2022, 1264, 133249.	1.8	18
29	Inhibitory effects of some drugs on carbonic anhydrase enzyme purified from Kangal Akkaraman sheep in Sivas, Turkey. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22000.	1.4	15
30	Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22172.	1.4	15
31	The effects of wireless electromagnetic fields on the activities of carbonic anhydrase and acetylcholinesterase enzymes in various tissues of rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22031.	1.4	14
32	Biological effects and molecular docking studies of Catechin 5-O-gallate: antioxidant, anticholinergics, antiepileptic and antidiabetic potentials. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 2489-2497.	2.0	14
33	Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23018.	1.4	14
34	ADME properties, bioactivity and molecular docking studies of 4-amino-chalcone derivatives: new analogues for the treatment of Alzheimer, glaucoma and epileptic diseases. <i>In Silico Pharmacology</i> , 2021, 9, 34.	1.8	12
35	SAR Evaluation of Disubstituted Tacrine Analogues as Promising Cholinesterase and Carbonic Anhydrase Inhibitors. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2019, 53, 268-275.	0.3	11
36	The Effects of Oxytocin and Oxytocin Receptor Antagonist Atosiban on the Carbonic Anhydrase and Acetylcholinesterase Enzymes from Lung Tissues of Rats. <i>Cumhuriyet Science Journal</i> , 2017, 38, 450-460.	0.1	5

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37	Composition characterization and biological activity study of <i>Thymbra spicata</i> l. var. <i>spicata</i> essential oil. Cumhuriyet Science Journal, 2021, 42, 565-575.	0.1	4
38	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.	0.3	4
39	Sivas da YetiÅŸen Endemik Bir Bitki Olan <i>Astragalus Dumanii</i> 'nin Antikolinergik, Antidiyabetik ve Antioksidan Aktivitesinin DeÅŸerlendirilmesi. KahramanmaraÅŸ SÃ¼tÃ¼nÃ¼n 4. Akademik Konferans Dergisi, 2022, 25, 1-10.		3
40	Some old 2-(4-(Aryl)-thiazole-2-yl)-3a,4,7,7a-tetrahydro-1H-4,7-tethanoisoindole-1,3(2H)-dione derivatives: Synthesis, inhibition effects and molecular docking studies on Aldose reductase and Î±-Glycosidase. Cumhuriyet Science Journal, 2021, 42, 553-564.	0.1	3