Ilkay Yildiz

List of Publications by Year in descending order

76 papers	2,418 citations	159585 30 h-index	206112 48 g-index
80 all docs	80 docs citations	80 times ranked	2018 citing authors

#	Article	IF	Citations
1	Design, synthesis, and computational studies of benzimidazole derivatives as new antitubercular agents. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2667-2686.	3.5	3
2	In Silico Studies to Develop New GSK3Î² Inhibitors Effective in the Alzheimer's Disease. Letters in Drug Design and Discovery, 2022, 19, 691-705.	0.7	2
3	Biological activity and ADME/Tox prediction of some 2-substituted benzoxazole derivatives. Bioorganic Chemistry, 2022, 123, 105756.	4.1	4
4	QSAR based on hybrid optimal descriptors as a tool to predict antibacterial activity against Staphylococcus aureus. Frontiers in Bioscience, 2022, 27, 112.	2.1	4
5	Quantum Mechanical Studies of Three Aromatic Halogen-Substituted Bioactive Sulfonamidobenzoxazole Compounds with Potential Light Harvesting Properties. Polycyclic Aromatic Compounds, 2021, 41, 1563-1579.	2.6	28
6	Discovery of 5-(or 6)-benzoxazoles and oxazolo[4,5-b]pyridines as novel candidate antitumor agents targeting hTopo IIÎ±. Bioorganic Chemistry, 2021, 112, 104913.	4.1	14
7	In silico investigation of the interactions of certain drugs proposed for the treatment of Covid-19 with the paraoxonase-1. Journal of Biomolecular Structure and Dynamics, 2021, , 1-13.	3.5	0
8	Synthesis and molecular docking studies of some novel antimicrobial benzamides. Bioorganic Chemistry, 2020, 94, 103368.	4.1	14
9	Benzoxazines as new human topoisomerase I inhibitors and potential poisons. DARU, Journal of Pharmaceutical Sciences, 2020, 28, 65-73.	2.0	9
10	Spectroscopic, quantum mechanical studies, ligand protein interactions and photovoltaic efficiency modeling of some bioactive benzothiazolinone acetamide analogs. Chemical Papers, 2020, 74, 1957-1964.	2.2	39
11	Molecular docking studies on fluoro-substituted chalcones as potential DprE1 enzyme inhibitors. Journal of Molecular Structure, 2018, 1164, 50-56.	3.6	15
12	Design and synthesis of 2-substituted-5-(4-trifluoromethylphenyl-sulphonamido)benzoxazole derivatives as human GST P1-1 inhibitors. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 510-517.	2.8	8
13	HPLCâ€“MS analysis of ipecacuanha alkaloids in pharmaceutical relics from eighteenth century. Monatshefte FÃ¼r Chemie, 2018, 149, 1535-1542.	1.8	6
14	Molecular binding profile of protoberberine alkaloids on glycogen synthase kinase 3Î² as a drug candidate for alzheimerâ€™s diseases. Ankara Universitesi Eczacilik Fakultesi Dergisi, 2018, 42, 1-12.	0.1	0
15	Inhibition of DNA Topoisomerases by a Series of Benzoxazoles and their Possible Metabolites. Letters in Drug Design and Discovery, 2018, 15, 1155-1162.	0.7	2
16	Modification of benzoxazole derivative by bromine-spectroscopic, antibacterial and reactivity study using experimental and theoretical procedures. Journal of Molecular Structure, 2017, 1141, 495-511.	3.6	43
17	QSAR of antimycobacterial activity of benzoxazoles by optimal SMILES-based descriptors. Medicinal Chemistry Research, 2017, 26, 3203-3208.	2.4	6
18	Antitumor activities on HL-60 human leukemia cell line, molecular docking, and quantum-chemical calculations of some sulfonamide-benzoxazoles. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1388-1396.	2.8	9

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19	Vibrational spectroscopic analysis, molecular dynamics simulations and molecular docking study of 5-nitro-2-phenoxymethyl benzimidazole. Journal of Molecular Structure, 2017, 1129, 86-97.	3.6	15
20	Synthesis, molecular docking and antimicrobial evaluation of novel benzoxazole derivatives. Medicinal Chemistry Research, 2016, 25, 553-567.	2.4	28
21	Generated 3Dâ€Common Feature Hypotheses Using the HipHop Method For Developing New Topoisomerase I Inhibitors. Archiv Der Pharmazie, 2015, 348, 498-507.	4.1	12
22	Prediction of retention characteristics of heterocyclic compounds. Analytical and Bioanalytical Chemistry, 2015, 407, 9185-9189.	3.7	2
23	Genotoxic potentials and eukaryotic DNA topoisomerase I inhibitory effects of some benzoxazine derivatives. Medicinal Chemistry Research, 2014, 23, 480-486.	2.4	11
24	Theoretical investigations on the molecular structure, vibrational spectra, HOMOâ€“LUMO and NBO analysis of 5-chloro-2-((4-chlorophenoxy)methyl)benzimidazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 499-511.	3.9	29
25	Quantum mechanical and spectroscopic (FT-IR, FT-Raman, 1H NMR and UV) investigations of 2-(phenoxymethyl)benzimidazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 12-24.	3.9	20
26	Synthesis and Biological Evaluation of 2â€Substitutedâ€5â€(4â€nitrophenylsulfonamido)benzoxazoles as Human GST P1â€1 Inhibitors, and Description of the Binding Site Features. ChemMedChem, 2014, 9, 984-992.	3.2	23
27	Quantum mechanical and spectroscopic (FT-IR, FT-Raman, 1H NMR and UV) investigations of 5-nitro-2-phenylbenzoxazole. Journal of Molecular Structure, 2014, 1063, 16-29.	3.6	9
28	Evaluation of inhibitory effects of benzothiazole and 3-amino-benzothiazolium derivatives on DNA topoisomerase II by molecular modeling studies. SAR and QSAR in Environmental Research, 2014, 25, 637-649.	2.2	9
29	Pharmacophore generation of 2-substituted benzothiazoles as AdeABC efflux pump inhibitors inA. baumannii. SAR and QSAR in Environmental Research, 2014, 25, 551-563.	2.2	14
30	Benzothiazole derivatives as human DNA topoisomerase IIÎ± inhibitors. Medicinal Chemistry Research, 2013, 22, 5798-5808.	2.4	14
31	Quantum mechanical and spectroscopic (FT-IR, FT-Raman, 1H NMR and UV) investigations of 2-(p-nitrobenzyl) benzoxazole. Journal of Molecular Structure, 2013, 1046, 92-100.	3.6	3
32	Vibrational spectroscopic (FT-IR, FT-Raman, 1H NMR and UV) investigations and computational study of 5-nitro-2-(4-nitrobenzyl) benzoxazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 102, 99-113.	3.9	81
33	The determination of toxicities of sulphonylurea and phenylurea herbicides with quantitative structureâ€“toxicity relationship (QSTR) studies. Environmental Toxicology and Pharmacology, 2013, 35, 369-379.	4.0	15
34	Synthesis and In vitro Antimicrobial Activity of Novel 2-(4-(Substituted-carboxamido)benzyl /) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	0.4	7
35	Synthesis of novel 2-[4-(4-substitutedbenzamido/phenylacetamido)phenyl]benzothiazoles as antimicrobial agents. Medicinal Chemistry Research, 2012, 21, 3818-3825.	2.4	10
36	FT-IR, FT-Raman, SERS and computational study of 5-ethylsulphonyl-2-(o-chlorobenzyl)benzoxazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 617-625.	3.9	77

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37	Insight into eukaryotic topoisomerase II-inhibiting fused heterocyclic compounds in human cancer cell lines by molecular docking. SAR and QSAR in Environmental Research, 2012, 23, 345-355.	2.2	8
38	FT-IR, FT-Raman, surface enhanced Raman scattering and computational study of 2-(p-fluorobenzyl)-6-nitrobenzoxazole. Journal of Molecular Structure, 2012, 1012, 22-30.	3.6	37
39	Vibrational spectroscopic studies and computational study of 4-fluoro-N-(2â€²-hydroxy-4â€²-nitrophenyl)phenylacetamide. Journal of Molecular Structure, 2011, 994, 223-231.	3.6	38
40	FTâ€IR, FTâ€Raman, SERS spectra and computational calculations of 4â€ethylâ€Nâ€(2â€²â€hydroxyâ€5â€²â€nitrophenyl)benzamide. Journal of Raman Spectroscopy, 2010, 41, 381-390.	2.5	6
41	Three-dimensional common-feature hypotheses for hypoglycemic flavonyl-2,4-thiazolidinedione derivatives. Medicinal Chemistry Research, 2010, 19, 211-219.	2.4	9
42	IR, Raman and SERS spectra of 2-phenoxymethylbenzothiazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 132-139.	3.9	16
43	Synthesis, biological evaluation and 2D-QSAR analysis of benzoxazoles as antimicrobial agents. European Journal of Medicinal Chemistry, 2009, 44, 501-510.	5.5	79
44	A study on the genotoxic activities of some new benzoxazoles. Medicinal Chemistry Research, 2008, 16, 1-14.	2.4	41
45	Vibrational spectroscopic studies and DFT calculations of 4â€fluoroâ€Nâ€(2â€hydroxyâ€4â€nitrophenyl)benzamide. Journal of Raman Spectroscopy, 2008, 39, 1832-1839.	2.5	46
46	Vibrational spectroscopic studies and ab initio calculations of 5-methyl-2-(p-methylaminophenyl)benzoxazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 782-788.	3.9	71
47	Vibrational spectroscopic studies and ab initio calculations of 5-nitro-2-(p-fluorophenyl)benzoxazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 566-571.	3.9	57
48	Synthesis and biological activity of some new benzoxazoles. European Journal of Medicinal Chemistry, 2008, 43, 1423-1431.	5.5	46
49	Synthesis, antimicrobial activity, pharmacophore analysis of some new 2-(substitutedphenyl/benzyl)-5-[(2-benzofuryl)carboxamido]benzoxazoles. European Journal of Medicinal Chemistry, 2008, 43, 2568-2578.	5.5	81
50	Synthesis, antimicrobial activity and QSAR studies of 2,5-disubstituted benzoxazoles. SAR and QSAR in Environmental Research, 2008, 19, 589-612.	2.2	28
51	Some benzoxazoles and benzimidazoles as DNA topoisomerase I and II inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 37-42.	5.2	90
52	QSAR and pharmacophore analysis on amides against drug-resistant S. aureus. SAR and QSAR in Environmental Research, 2008, 19, 101-113.	2.2	11
53	QSAR of genotoxic active benzazolesÂ§. SAR and QSAR in Environmental Research, 2007, 18, 251-263.	2.2	13
54	Synthesis and biological evaluation of new N-(2-hydroxy-4(or 5)-nitro/aminophenyl)benzamides and phenylacetamides as antimicrobial agents. Bioorganic and Medicinal Chemistry, 2007, 15, 2032-2044.	3.0	38

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55	Synthesis and in vitro antimicrobial activity of new 2-[p-substituted-benzyl]-5-[substituted-carbonylamino]benzoxazoles. European Journal of Medicinal Chemistry, 2007, 42, 1293-1299.	5.5	38
56	Vibrational spectroscopic studies and ab initio calculations of 5-methyl-2-(p-fluorophenyl)benzoxazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 744-749.	3.9	61
57	3D-QSAR study on heterocyclic topoisomerase II inhibitors using CoMSIA. SAR and QSAR in Environmental Research, 2006, 17, 121-132.	2.2	22
58	A study on the antioxidant activities of some new benzazole derivatives. Acta Biologica Hungarica, 2006, 57, 201-209.	0.7	19
59	Synthesis, antimicrobial activity and QSARs of new benzoxazine-3-ones. European Journal of Medicinal Chemistry, 2006, 41, 1398-1404.	5.5	58
60	3D-QSAR analysis on benzazole derivatives as eukaryotic topoisomerase II inhibitors by using comparative molecular field analysis method. Bioorganic and Medicinal Chemistry, 2005, 13, 6354-6359.	3.0	40
61	Synthesis and Antimicrobial Activity of Some 5-[2-(Morpholin-4-yl)acetamido] and/or 5-[2-(4-Substituted piperazin-1-yl)acetamido]-2-(p-substituted phenyl)benzoxazoles. Archiv Der Pharmazie, 2005, 338, 105-111.	4.1	46
62	Synthesis and Antimicrobial Activity of Some 5-[2-(Morpholin-4-yl)acetamido] and/or 5-[2-(4-Substituted piperazin-1-yl)acetamido]-2-(p-substituted phenyl)benzoxazoles.. ChemInform, 2005, 36, no.	0.0	0
63	A target site for template-based design of measles virus entry inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5628-5633.	7.1	78
64	Synthesis and Antimicrobial Activity of New 2-[p-Substituted-benzyl]-5-[substituted-carbonylamino]benzoxazoles. Archiv Der Pharmazie, 2004, 337, 402-410.	4.1	43
65	Synthesis and structureâ€“activity relationships of new antimicrobial active multisubstituted benzazole derivatives. European Journal of Medicinal Chemistry, 2004, 39, 291-298.	5.5	218
66	Some fused heterocyclic compounds as eukaryotic topoisomerase II inhibitors. Biochemical and Biophysical Research Communications, 2004, 317, 670-674.	2.1	96
67	The NH---FC Dipole Orientation Effect for Pendant Exocyclic CH2F. Organic Letters, 2002, 4, 3557-3560.	4.6	38
68	Synthesis and antimicrobial activity of some novel 2-(p-substituted-phenyl)-5-substituted-carbonylaminobenzoxazoles. Il Farmaco, 2002, 57, 175-181.	0.9	31
69	Synthesis and microbiological activity of some N-(o-hydroxyphenyl)benzamides and phenylacetamides as the possible metabolites of antimicrobial active benzoxazoles: part II. Il Farmaco, 2000, 55, 469-476.	0.9	50
70	Synthesis and antimicrobial activity of some novel 2,5- and/or 6-substituted benzoxazole and benzimidazole derivatives. European Journal of Pharmaceutical Sciences, 1999, 7, 153-160.	4.0	88
71	Synthesis and microbiological activity of some novel 5- or 6-methyl-2-(2,4-disubstituted phenyl) benzoxazole derivatives. Il Farmaco, 1998, 53, 337-341.	0.9	71
72	N-(2-Hydroxy-5-chlorophenyl)thiophenylacetamide. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 488-489.	0.4	0

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73	Structure-activity relationships of some antimicrobial 5-substituted 2-(3-pyridyl) benzoxazoles using quantum-chemical calculations. International Journal of Pharmaceutics, 1994, 110, 109-115.	5.2	19
74	The synthesis and the structure-activity relationships of some substituted benzoxazoles, oxazolo(4,5-b)pyridines, benzothiazoles and benzimidazoles as antimicrobial agents. European Journal of Medicinal Chemistry, 1992, 27, 401-406.	5.5	99
75	MOLECULAR DOCKING STUDIES ON SOME BENZAMIDE DERIVATIVES AS TOPOISOMERASE INHIBITORS. Ankara Universitesi Eczacilik Fakultesi Dergisi, 0, , .	0.1	2
76	TOPOISOMERASE II ENZYME INHIBITORS. Ankara Universitesi Eczacilik Fakultesi Dergisi, 0, , 356-372.	0.1	0