

Ilknur Dogan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Axially Chiral 2-Arylimino-3-aryl-thiazolidine-4-one Derivatives: Enantiomeric Separation and Determination of Racemization Barriers by Chiral HPLC. <i>Journal of Organic Chemistry</i> , 2007, 72, 2494-2500.	3.2	41
2	Axially chiral N-(o-aryl)-2-thioxo-oxazolidine-4-one and rhodanine derivatives: enantiomeric separation and determination of racemization barriers. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2184-2191.	1.8	31
3	The enantiomers of N-aryl-2-thioxo-4-oxazolidinones and N-arylrhodanines. Investigation by liquid chromatography, circular dichroism and thermal racemization. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 1557.	0.9	25
4	Thioureas and their cyclized derivatives: Synthesis, conformational analysis and antimicrobial evaluation. <i>Journal of Molecular Structure</i> , 2019, 1179, 40-56.	3.6	21
5	Conformational preferences in diastereomeric (5S)-methyl-3-(o-aryl)-2,4-oxazolidinediones. <i>Chirality</i> , 2003, 15, 242-250.	2.6	19
6	Determination of the absolute stereochemistry and the activation barriers of thermally interconvertible heterocyclic compounds bearing a naphthyl substituent. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3752-3761.	1.8	19
7	Absolute configuration and biological profile of pyrazoline enantiomers as MAO inhibitory activity. <i>Chirality</i> , 2019, 31, 21-33.	2.6	19
8	Determination of energy barriers and racemization mechanisms for thermally interconvertible barbituric and thiobarbituric acid enantiomers. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1857-1864.	1.8	18
9	Using Atomic Charges to Describe the ρ of Carboxylic Acids. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2733-2743.	5.4	18
10	Determination of energy barriers to rotation and absolute conformations of thermally interconvertible 5,5-dimethyl-3-(o-aryl)-2,4-oxazolidinedione enantiomers. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 925-933.	1.8	17
11	Barriers to internal rotation around the C-N bond in 3-(o-aryl)-5-methyl-rhodanines using NMR spectroscopy and computational studies. Electron density topological analysis of the transition states. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2426-2436.	2.8	14
12	Axially chiral N-(o-aryl)-4-hydroxy-2-oxazolidinone derivatives from diastereoselective reduction of N-(o-aryl)-2,4-oxazolidinediones: Thermally interconvertible atropisomers via ring-chain ring tautomerization. <i>Chirality</i> , 2010, 22, 641-654.	2.6	14
13	Solvent-Catalyzed Ring-Chain Ring Tautomerization in Axially Chiral Compounds. <i>Chemistry - A European Journal</i> , 2012, 18, 12725-12732.	3.3	14
14	The origin of exo-stereoselectivity of norbornene in hetero Diels-Alder reactions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8079-8086.	2.8	14
15	Asymmetric synthesis, molecular modeling and biological evaluation of 5-methyl-3-aryloxazolidine-2,4-dione enantiomers as monoamine oxidase (MAO) inhibitors. <i>Bioorganic Chemistry</i> , 2018, 77, 608-618.	4.1	14
16	Axially chiral pyridine compounds: synthesis, chiral separations and determination of protonation dependent barriers to hindered rotation. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 449-456.	1.8	13
17	Atroposelective Synthesis of Axially Chiral Thiohydantoin Derivatives. <i>Journal of Organic Chemistry</i> , 2016, 81, 5895-5902.	3.2	13
18	exo-Selective inverse-electron-demand hetero Diels-Alder reactions of norbornene with 5-benzylidene-2-arylimino-3-aryl-thiazolidine-4-thiones at room temperature. <i>Tetrahedron</i> , 2013, 69, 1337-1344.	1.9	12

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19	Determination of barriers to rotation of axially chiral 5-(methyl-(<i>o</i> -aryl)imino-3-(<i>o</i> -aryl)thiazolidine-4-ones. <i>Chirality</i> , 2012, 24, 493-498.	2.6	10
20	Atropisomeric 3-aryl-2-oxo-4-oxazolidinones and some thione analogues' Enantiodifferentiation and ligand competition in applying the dirhodium method. <i>Chirality</i> , 2008, 20, 344-350.	2.6	9
21	Synthesis of stable tetrahedral intermediates (hemiaminals) and kinetics of their conversion to thiazol-2-imines. <i>Tetrahedron</i> , 2016, 72, 2122-2131.	1.9	9
22	Enantiodiscrimination of carboxylic acids using single enantiomer thioureas as chiral solvating agents. <i>Tetrahedron</i> , 2020, 76, 1311-141.	1.9	8
23	Radical Cations from Imidazole Derivatives. <i>Spectroscopy Letters</i> , 1992, 25, 1-11.	1.0	6
24	Elucidation of the atroposelectivity in the synthesis of axially chiral thiohydantoin derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2233-2241.	2.8	6
25	Stereoselective lithiation and alkylation and aldol reactions of chiral 5-methyl-3-(<i>o</i> -aryl)-oxazolidinones. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2455-2464.	1.8	5
26	Reactions of Barbituric and 2-Thiobarbituric Acid Derivatives with Acetone. <i>Spectroscopy Letters</i> , 1998, 31, 469-482.	1.0	4
27	Solvent Dependence of Tautomeric Equilibria of 1-(<i>o</i> -Substituted Phenyl)Barbituric and 2-Thiobarbituric Acid Derivatives. <i>Spectroscopy Letters</i> , 2004, 37, 607-618.	1.0	4
28	Synthesis of thiazol-2-imines from the reduction of single enantiomer 2-(imino-3-thiazolidin-4-ones followed by a spontaneous water elimination. <i>Chirality</i> , 2020, 32, 866-875.	2.6	4
29	Chiral <i>N</i> -(<i>o</i> -aryl)-thiazolidinediones: synthesis from rhodanines and investigation on rotational enantiomers by NMR spectroscopy. <i>Canadian Journal of Chemistry</i> , 1998, 76, 254-259.	1.1	4
30	Stereochemical assignments of aldol products of 2-(aryl)imino-3-(aryl)thiazolidine-4-ones by ¹ H NMR. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 402-405.	1.9	3
31	Elucidating the Structural Isomerism of Fluorescent Strigolactone Analogue CISA-1. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1211-1217.	2.4	3
32	Axially chiral hemiaminals from nonracemic 1- <i>o</i> -amino acid derivatives (thiohydantoin): Synthesis and isomer identification. <i>Chirality</i> , 2020, 32, 1299-1310.	2.6	3
33	An Acyclic Diaminocarbene Complex of Platinum Formed by Desulfurization of 1,3-Bis(3-methylpyridin-2-yl)thiourea. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2425-2432.	2.0	2
34	Aldol Reactions of Conformationally Stable Axially Chiral Thiohydantoin Derivatives. <i>ACS Omega</i> , 2021, 6, 27823-27832.	3.5	2
35	THE REACTION OF 5-METHYL-3-(<i>o</i> -TOLYL)RHODANINE WITH ACETONE-d ₆ AND METHANOL. <i>Spectroscopy Letters</i> , 2001, 34, 365-370.	1.0	1
36	Aldol Reactions of Axially Chiral 5-Methyl-2-(<i>o</i> -aryl)imino-3-(<i>o</i> -aryl)-thiazolidine-4-ones. <i>Molecules</i> , 2016, 21, 788.	3.8	1