

Zbigniew Czarnocki

List of Publications by Year in descending order

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74
papers

1,160
citations

394286

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docs citations

75
times ranked

1441
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective synthesis of some tetrahydroisoquinoline and tetrahydro- β^2 -carboline alkaloids. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 406-413.	1.8	109
2	First enantioselective synthesis of the antitumour alkaloid (+)-crispine A and determination of its enantiomeric purity by ^1H NMR. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3619-3621.	1.8	88
3	Molecular cloning of melatonin 3- α -hydroxylase and its production of cyclic 3- α -hydroxymelatonin in rice (<i>Oryza sativa</i>). <i>Journal of Pineal Research</i> , 2016, 61, 470-478.	3.4	67
4	Enantioselective synthesis of (R)-(β^2)-praziquantel (PZQ). <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1415-1419.	1.8	56
5	On the Primary Ionization Mechanism(s) in Matrix-Assisted Laser Desorption Ionization. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-8.	0.7	44
6	Enantioselective synthesis of 1-substituted tetrahydro- β^2 -carboline derivatives via the asymmetric transfer hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2005, 232, 143-149.	4.8	41
7	Fentanyl Family at the Mu-Opioid Receptor: Uniform Assessment of Binding and Computational Analysis. <i>Molecules</i> , 2019, 24, 740.	1.7	39
8	Enantioselective Synthesis of Some Tetracyclic Isoquinoline Alkaloids by Asymmetric Transfer Hydrogenation Catalysed by a Chiral Ruthenium Complex. <i>Monatshefte für Chemie</i> , 2005, 136, 1619-1627.	0.9	33
9	Selected Recent Developments in the Enantioselective Reduction of Imines by Asymmetric Transfer Hydrogenation. <i>Mini-Reviews in Organic Chemistry</i> , 2007, 4, 190-200.	0.6	33
10	Enantioselective synthesis of (+)-tryptargine and (+)-crispine E. <i>Tetrahedron</i> , 2008, 64, 3176-3182.	1.0	33
11	Simultaneous induction and blockade of autophagy by a single agent. <i>Cell Death and Disease</i> , 2018, 9, 353.	2.7	26
12	Synthesis of new mono-N-tosylated diamine ligands based on (R)-(+)-limonene and their application in asymmetric transfer hydrogenation of ketones and imines. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 643-650.	1.8	24
13	The Activity of Urolithin A and M4 Valerolactone, Colonic Microbiota Metabolites of Polyphenols, in a Prostate Cancer In Vitro Model. <i>Planta Medica</i> , 2019, 85, 118-125.	0.7	24
14	(S)-(β^2)- β^2 -Methylbenzylamine as an efficient chiral auxiliary in enantiodivergent synthesis of both enantiomers of N-acetylcalycotomine. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3371-3380.	1.8	22
15	Diastereodivergent synthesis of 2,5-diketopiperazine derivatives of β^2 -carboline and isoquinoline from l-amino acids. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 975-993.	1.8	22
16	Highly selective inhibition of butyrylcholinesterase by a novel melatonin-tacrine heterodimers. <i>Journal of Pineal Research</i> , 2013, 54, 435-441.	3.4	22
17	The enantioselective synthesis of (S)-(+)-mianserin and (S)-(+)-epinastine. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1509-1513.	1.3	21
18	Formal synthesis of (β^2)-podophyllotoxin through the photocyclization of an axially chiral 3,4-bisbenzylidene succinate amide ester – a flow photochemistry approach. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 460-469.	1.5	21

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19	Enantioselective synthesis of (R)-(α)-laudanosine and (R)-(α)-glauoine from L-ascorbic acid. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 2711-2720.	1.8	20
20	Asymmetric Synthesis of Isoquinoline Alkaloids: (R)- and (S)-2-(Ethoxycarbonyl)-1-Formyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline as Versatile Precursors. <i>Bulletin Des Sociétés Chimiques Belges</i> , 1986, 95, 749-770.	0.0	20
21	Flow Photochemistry as a Tool for the Total Synthesis of (+)-Epigallocatechin. <i>Organic Letters</i> , 2018, 20, 605-607.	2.4	20
22	Optically Active <i>trans</i> -1-Butylphenylphosphinothioic Acid: Synthesis, Selected Structural Studies and Applications as a Chiral Solvating Agent. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 977-991.	0.8	18
23	Enantioselective synthesis of isoquinoline alkaloids: phenylethylisoquinoline and aporphine alkaloids. <i>Canadian Journal of Chemistry</i> , 1987, 65, 2356-2361.	0.6	17
24	Diastereoselective Synthesis of 1-Benzyltetrahydroisoquinoline Derivatives from Amino Acids by 1,4 Chirality Transfer. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2443-2453.	1.2	16
25	Arylpyridines: A Review from Selective Synthesis to Atropisomerism. <i>Synthesis</i> , 2019, 51, 587-611.	1.2	16
26	Electrospray ionization, accurate mass measurements and multistage mass spectrometry experiments in the characterization of stereoisomeric isoquinoline alkaloids. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1592-1599.	0.7	15
27	Some pyridine derivatives as α -route-specific markers in 4-methoxyamphetamine (PMA) prepared by the Leuckart method. <i>Forensic Science International</i> , 2005, 152, 157-173.	1.3	14
28	The oxidation products of melatonin derivatives exhibit acetylcholinesterase and butyrylcholinesterase inhibitory activity. <i>Journal of Pineal Research</i> , 2008, 45, 40-49.	3.4	14
29	Brain uptake of radiolabeled N-oleoyl-dopamine in the rat. <i>Drug Development Research</i> , 2003, 60, 217-224.	1.4	13
30	Synthesis of novel chiral guanidine catalyst and its application in the asymmetric Pictet-Spengler reaction. <i>Catalysis Communications</i> , 2017, 89, 44-47.	1.6	13
31	Diastereoselective synthesis of lortalamine analogs. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1021-1023.	1.8	12
32	Synthesis of Imperatorin Analogs and Their Evaluation as Acetylcholinesterase and Butyrylcholinesterase Inhibitors. <i>Archiv Der Pharmazie</i> , 2013, 346, 775-782.	2.1	12
33	Isoprenoid Alcohols are Susceptible to Oxidation with Singlet Oxygen and Hydroxyl Radicals. <i>Lipids</i> , 2016, 51, 229-244.	0.7	12
34	Convenient synthesis of selected meta- and ortho-substituted pentaarylpyridines via the Suzuki-Miyaura cross-coupling reaction. <i>Tetrahedron Letters</i> , 2017, 58, 462-465.	0.7	12
35	Chiral sulfur-containing structures: Selected synthetic and structural aspects. <i>Heteroatom Chemistry</i> , 2007, 18, 527-536.	0.4	11
36	Enantioselective synthesis of axially chiral 3-bromo-4-alkoxy-2,6-dimethyl-5-(naphthalen-1-yl)pyridines via an asymmetric Suzuki-Miyaura cross-coupling reaction. <i>Tetrahedron Letters</i> , 2016, 57, 4713-4717.	0.7	11

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37	Synthesis of a novel class of fatty acids-derived isoquinolines. <i>Chemistry and Physics of Lipids</i> , 2005, 135, 131-145.	1.5	9
38	l-Prolinol as a chiral auxiliary in the photochemical synthesis of a new aryltetraline lignan analogue. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1103-1107.	1.8	9
39	Identification and synthesis of by-products found in 4-methylthioamphetamine (4-MTA) produced by the Leuckart method. <i>Forensic Science International</i> , 2012, 216, 108-120.	1.3	9
40	Novel podophyllotoxin and benzothiazole derivative induces transitional morphological and functional changes in HaCaT cells. <i>Toxicology in Vitro</i> , 2021, 73, 105144.	1.1	9
41	Enantiomers of (2 <i>R</i> ^-,3 <i>R</i> ^-)-1-methyl-5-oxo-2-phenyltetrahydro-1 <i>H</i> -pyrrolidine-3-carboxylic acid as novel chiral resolving agents. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 309-317.	1.8	8
42	A convenient route to symmetrically and unsymmetrically substituted 3,5-diaryl-2,4,6-trimethylpyridines via Suzuki-Miyaura cross-coupling reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 835-845.	1.3	8
43	New stable atropisomers derived from 2,4,6-collidine and related compounds. <i>Tetrahedron</i> , 2016, 72, 6779-6787.	1.0	8
44	Metabolism of N-Acylated-Dopamine. <i>PLoS ONE</i> , 2014, 9, e85259.	1.1	8
45	(<i>S</i>)-1-Phenylethylamine as chiral auxiliary in the diastereoselective synthesis of tetrahydro-1 <i>H</i> -carboline derivatives. <i>Canadian Journal of Chemistry</i> , 2007, 85, 1033-1036.	0.6	7
46	Variety of natural products derived from tryptophan and stereoselective synthesis of tetrahydro-1 <i>H</i> -carboline derivatives of pharmacological importance. <i>International Congress Series</i> , 2007, 1304, 46-59.	0.2	7
47	Atropisomerism in 3,4,5-tri-(2-methoxyphenyl)-6- <i>H</i> -lutidine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7867-7871.	1.2	7
48	Donepezil-melatonin hybrids as butyrylcholinesterase inhibitors: Improving binding affinity through varying mode of linking fragments. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800194.	2.1	7
49	Clicking fragment leads to novel dual-binding cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116269.	1.4	7
50	(2 <i>S</i>)-1-(4-Methoxyphenyl)- <i>N</i> -[(1 <i>R</i>)-2-(4-methoxyphenyl)-1-methylethyl]-2-propanamine in Crude <i>p</i> -Methoxyamphetamine (PMA) Produced by the Leuckart Method. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 593-598.	0.3	6
51	(<i>S</i>)-(-)-1-Methylbenzylamine as chiral auxiliary in the synthesis of (+)-lortalamine. <i>Monatshefte Für Chemie</i> , 2009, 140, 83-86.	0.9	6
52	Atropisomerism in Mono- and Diaryl-Substituted 4-Amino-6- <i>H</i> -lutidines. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2966-2971.	1.2	6
53	The synthesis and the structure elucidation of N,O-diacetyl derivative of cyclic 3-hydroxymelatonin. <i>Open Chemistry</i> , 2004, 2, 425-433.	1.0	5
54	Characterization of stereoisomeric alkaloids by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 889-892.	0.7	4

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55	Crystallographic and ab initio theoretical studies of (2R,3R)-1-methyl-5-oxo-2-phenyltetrahydro-1H-pyrrole-3-carboxylic acid. The comparison of chiral (I) and racemic (II) structure. <i>Journal of Molecular Structure</i> , 2002, 610, 33-40.	1.8	3
56	Selective inhibition of butyrylcholinesterase by singlet oxygen-generated melatonin derivatives. <i>Journal of Pineal Research</i> , 2010, 49, no-no.	3.4	3
57	Efficient One-Pot Synthesis of a Densely Functionalized Tetrahydropyridine in the Presence of [1,1'-Bi-2-naphthyl]-2,2'-diol/Indium(III) Chloride (binol/InCl ₃) or Simple Acids as Catalysts. <i>Helvetica Chimica Acta</i> , 2013, 96, 1348-1354.		3
58	Novel (+)-3-Carene Derivatives and Their Application in Asymmetric Synthesis. <i>Synthesis</i> , 2015, 47, 569-574.	1.2	3
59	Unusual visible-light photolytic cleavage of tertiary amides during the synthesis of cyclolignans related to podophyllotoxin. <i>Tetrahedron</i> , 2017, 73, 6316-6328.	1.0	3
60	Some mechanistic aspects regarding the Suzuki-Miyaura reaction between selected ortho-substituted phenylboronic acids and 3,4,5-tribromo-2,6-dimethylpyridine. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2384-2393.	1.3	3
61	Diastereoselective synthesis of some \hat{I}^2 -carboline derivatives from l-amino acids. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2295-2297.	1.8	2
62	The structure of some trans-diketopiperazine derivatives of isoquinoline and \hat{I}^2 -carboline. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2071-2073.	1.8	2
63	Efficient BOP-mediated synthesis of fulgimides. <i>Comptes Rendus Chimie</i> , 2012, 15, 384-388.	0.2	2
64	Chemical Aspects of the Primary Ionization Mechanisms in Matrix-Assisted Laser Desorption Ionization. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 437-443.	0.5	2
65	New N, N-diamine ligands derived from ($\hat{\sim}$)-menthol and their application in the asymmetric transfer hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 532-538.	1.8	2
66	(-)-Menthol as a source of new N,N-diamine ligands for asymmetric transfer hydrogenation. <i>Tetrahedron Letters</i> , 2018, 59, 2184-2188.	0.7	2
67	Unexpected regioselectivity in the photocyclization of a chiral 2,3-bisbenzylidenesuccinate, leading to a podophyllotoxin related cyclolignan. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 297-302.	2.0	2
68	Evaluation of different internal standardization approaches for the quantification of melatonin in cell culture samples by multiple heart-cutting two dimensional liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1663, 462752.	1.8	2
69	Pseudosymmetry in ammonium [(carboxymethyl)sulfanyl]acetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o656-o658.	0.4	1
70	Synthesis and Structure Determination of Some Monothio- and Dithioimides Derived from Succinic and Glutaric Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 1307-1313.	0.8	1
71	Identification of common impurities present in the synthetic routes leading to 4-methylthioamphetamine (4-MTA). Part II: Reductive amination and nitropropene route. <i>Forensic Science International</i> , 2012, 217, 60-70.	1.3	1
72	Advances in the Synthesis of Aryltetralin and Arylnaphthalene Lignans using Photocyclization. <i>Organic Preparations and Procedures International</i> , 2018, 50, 527-543.	0.6	1

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73	Regio-and atropselective synthesis of selected ortho-phenyl substituted arylpyridine derivatives. Journal of Molecular Structure, 2019, 1177, 564-570.	1.8	1
74	Unexpected reaction of melatonin derivatives with performic acid. Comptes Rendus Chimie, 2013, 16, 807-813.	0.2	0