

Michał, Rachwalski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9481127/publications.pdf>

Version: 2024-02-01

50
papers

929
citations

430874

18
h-index

501196

28
g-index

50
all docs

50
docs citations

50
times ranked

684
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Asymmetric Morita-Baylis-Hillman Reaction Promoted by Chiral Aziridine-Phosphines. <i>Catalysts</i> , 2022, 12, 394.	3.5	3
2	Photophysical properties of novel fluorescent thin solid layers based on the Aggregation Induced Emission of alkoxy-substituted salicylaldehyde azines. <i>Journal of Luminescence</i> , 2021, 229, 117668.	3.1	4
3	Efficient Asymmetric Simmons-Smith Cyclopropanation and Diethylzinc Addition to Aldehydes Promoted by Enantiomeric Aziridine-Phosphines. <i>Catalysts</i> , 2021, 11, 968.	3.5	7
4	Recent Advances in Selected Asymmetric Reactions Promoted by Chiral Catalysts: Cyclopropanations, Friedel-Crafts, Mannich, Michael and Other Zinc-Mediated Processes—An Update. <i>Symmetry</i> , 2021, 13, 1762.	2.2	2
5	Optically Pure Aziridin-2-yl Methanols as Readily Available ¹ H NMR Sensors for Enantiodiscrimination of \pm -Racemic Carboxylic Acids Containing Tertiary or Quaternary Stereogenic Centers. <i>Journal of Organic Chemistry</i> , 2020, 85, 11794-11801.	3.2	6
6	Asymmetric Friedel-Crafts Alkylation of Indoles Catalyzed by Chiral Aziridine-Phosphines. <i>Catalysts</i> , 2020, 10, 971.	3.5	14
7	Enantiodivergent Aldol Condensation in the Presence of Aziridine/Acid/Water Systems. <i>Symmetry</i> , 2020, 12, 930.	2.2	2
8	Enantioselective Mannich Reaction Promoted by Chiral Phosphinoyl-Aziridines. <i>Catalysts</i> , 2019, 9, 837.	3.5	10
9	The sulfinyl group: Its importance for asymmetric synthesis and biological activity. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 649-653.	1.6	7
10	Phosphinoyl-aziridines as a new class of chiral catalysts for enantioselective Michael addition. <i>Tetrahedron</i> , 2019, 75, 230-235.	1.9	12
11	Chiral imines prepared from 1-(2-aminoalkyl)aziridines as novel chiral shifts reagents for efficient recognition of acids. <i>Tetrahedron</i> , 2018, 74, 1571-1579.	1.9	4
12	Highly enantioselective asymmetric reduction of aromatic ketimines promoted by chiral enantiomerically pure sulfoxides as organocatalysts. <i>Journal of Sulfur Chemistry</i> , 2018, 39, 380-387.	2.0	5
13	Synthesis and Evaluation of Biological Activities of Aziridine Derivatives of Urea and Thiourea. <i>Molecules</i> , 2018, 23, 45.	3.8	17
14	Highly enantioselective asymmetric direct aldol reaction promoted by aziridine amides constructed on chiral terpene scaffold. <i>Chirality</i> , 2017, 29, 213-220.	2.6	3
15	Highly enantioselective asymmetric reactions involving zinc ions promoted by chiral aziridine alcohols. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1774-1779.	1.8	17
16	Synthesis of enantiomerically pure 2-(N-aryl, N-alkyl-aminomethyl)aziridines: a new class of ligands for highly enantioselective asymmetric synthesis. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1808-1816.	1.8	8
17	Synthesis of chiral 1-(2-aminoalkyl)aziridines via the self-opening reaction of aziridine. <i>Arkivoc</i> , 2017, 2017, 223-234.	0.5	1
18	Highly enantioselective addition of arylzinc reagents to aldehydes promoted by chiral aziridine alcohols. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 1238-1244.	1.8	19

#	ARTICLE	IF	CITATIONS
19	Highly efficient chiral polydentate sulfinyl ligands/catalysts containing prolinol moiety. <i>Tetrahedron</i> , 2016, 72, 2649-2655.	1.9	5
20	Highly Efficient Asymmetric Aziridination of Unsaturated Aldehydes Promoted by Chiral Heteroorganic Catalysts. <i>ChemCatChem</i> , 2015, 7, 3589-3592.	3.7	8
21	Zinc(II) mediated asymmetric aldol condensation catalyzed by chiral aziridine ligands. <i>Tetrahedron Letters</i> , 2015, 56, 6506-6507.	1.4	11
22	Aziridinyloxyethers as highly enantioselective ligands for the asymmetric addition of organozinc species to carbonyl compounds. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 148-151.	1.8	11
23	Nucleophilic addition of (difluoromethyl)trimethylsilane to selected α -imino ketones and aryl diketones. <i>Tetrahedron Letters</i> , 2015, 56, 4701-4703.	1.4	17
24	Highly efficient conjugate additions of diethylzinc to enones promoted by chiral aziridine alcohols and aziridine ethers. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 924-927.	1.8	8
25	N-Trityl-aziridinyl alcohols as highly efficient chiral catalysts in asymmetric additions of organozinc species to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 35-40.	1.8	27
26	Highly Efficient Asymmetric Simmons-Smith Cyclopropanation Promoted by Chiral Heteroorganic Aziridinyl Ligands. <i>ChemCatChem</i> , 2014, 6, 873-875.	3.7	23
27	Flash Vacuum Thermolysis of <i>N</i> -(3- and 4-pyridylmethylidene)tertiarybutylamines: Mechanisms of Formation of Pyrrolopyridines and Naphthyridines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3020-3027.	2.4	8
28	Limonene oxide derived aziridinyl alcohols as highly efficient catalysts for asymmetric additions of organozinc species to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 219-223.	1.8	22
29	Direct asymmetric aldol condensation catalyzed by aziridine semicarbazide zinc(II) complexes. <i>Tetrahedron Letters</i> , 2014, 55, 2373-2375.	1.4	16
30	Lactic acid derived aziridinyl alcohols as highly effective catalysts for asymmetric additions of an organozinc species to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1336-1340.	1.8	20
31	Polydentate chiral heteroorganic ligands/catalysts' impact of particular functional groups on their activity in selected reactions of asymmetric synthesis. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1417-1420.	1.8	12
32	Highly efficient conjugate addition of diethylzinc to enones catalyzed by chiral ligands derived from (S)-mandelic acid. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1117-1119.	1.8	10
33	Recent advances in enzymatic and chemical deracemisation of racemic compounds. <i>Chemical Society Reviews</i> , 2013, 42, 9268.	38.1	148
34	Synthesis and evaluation of the catalytic properties of semicarbazides derived from N-triphenylmethyl-aziridine-2-carbohydrazides. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1341-1344.	1.8	10
35	Aziridine ring-containing chiral ligands as highly efficient catalysts in asymmetric synthesis. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 421-425.	1.8	30
36	Mandelic acid derived α -aziridinyl alcohols as highly efficient ligands for asymmetric additions of zinc organyls to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 689-693.	1.8	30

#	ARTICLE	IF	CITATIONS
37	Efficient catalysts for asymmetric Mannich reactions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4207.	2.8	29
38	Highly enantioselective aza-Henry reaction promoted by amine-functionalized tridentate sulfinyl ligands. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1087-1089.	1.8	24
39	Highly enantioselective asymmetric direct aldol reaction catalyzed by amine-functionalized tridentate sulfinyl ligands. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1325-1327.	1.8	26
40	Enzymatic Synthesis of Enantiopure Precursors of Chiral Bidentate and Tridentate Phosphorus Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2446-2454.	4.3	15
41	Highly enantioselective addition of phenylethynylzinc to aldehydes using aziridine-functionalized tridentate sulfinyl ligands. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2687-2689.	1.8	28
42	Highly enantioselective conjugate addition of diethylzinc to enones using aziridine-functionalized tridentate sulfinyl ligands. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1890-1892.	1.8	37
43	New highly efficient aziridine-functionalized tridentate sulfinyl catalysts for enantioselective diethylzinc addition to carbonyl compounds. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2311-2314.	1.8	43
44	Flash vacuum thermolysis generation and a UV-photoelectron spectroscopy study of the N-substituted iminoacetonitriles. <i>Tetrahedron</i> , 2009, 65, 9322-9327.	1.9	10
45	Highly enantioselective Henry reaction catalyzed by chiral tridentate heteroorganic ligands. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1547-1549.	1.8	34
46	Nitrilase-catalysed hydrolysis of cyanomethyl p-tolyl sulfoxide: stereochemistry and mechanism. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 562-567.	1.8	13
47	Enzyme-promoted desymmetrization of bis(2-hydroxymethylphenyl) sulfoxide as a route to tridentate chiral catalysts. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2096-2101.	1.8	35
48	Enzyme-Promoted Desymmetrisation of Prochiral Bis(cyanomethyl) Sulfoxide. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1387-1392.	4.3	22
49	Enzyme-promoted desymmetrisation of prochiral bis(cyanomethyl)phenylphosphine oxide. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2108-2112.	1.8	18
50	Lipase-promoted dynamic kinetic resolution of racemic 1 ² -hydroxyalkyl sulfones. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2157-2160.	1.8	38