MichaÅ, Rachwalski

List of Publications by Year
in descending order

50	929	430874	501196
papers	citations	18 h-index	28 g-index

50	50	50	684
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in enzymatic and chemical deracemisation of racemic compounds. Chemical Society Reviews, 2013, 42, 9268.	38.1	148
2	New highly efficient aziridine-functionalized tridentate sulfinyl catalysts for enantioselective diethylzinc addition to carbonyl compounds. Tetrahedron: Asymmetry, 2009, 20, 2311-2314.	1.8	43
3	Lipase-promoted dynamic kinetic resolution of racemic Î²-hydroxyalkyl sulfones. Tetrahedron: Asymmetry, 2005, 16, 2157-2160.	1.8	38
4	Highly enantioselective conjugate addition of diethylzinc to enones using aziridine-functionalized tridentate sulfinyl ligands. Tetrahedron: Asymmetry, 2010, 21, 1890-1892.	1.8	37
5	Enzyme-promoted desymmetrization of bis(2-hydroxymethylphenyl) sulfoxide as a route to tridentate chiral catalysts. Tetrahedron: Asymmetry, 2008, 19, 2096-2101.	1.8	35
6	Highly enantioselective Henry reaction catalyzed by chiral tridentate heteroorganic ligands. Tetrahedron: Asymmetry, 2009, 20, 1547-1549.	1.8	34
7	Aziridine ring-containing chiral ligands as highly efficient catalysts in asymmetric synthesis. Tetrahedron: Asymmetry, 2013, 24, 421-425.	1.8	30
8	Mandelic acid derived Î±-aziridinyl alcohols as highly efficient ligands for asymmetric additions of zinc organyls to aldehydes. Tetrahedron: Asymmetry, 2013, 24, 689-693.	1.8	30
9	Efficient catalysts for asymmetric Mannich reactions. Organic and Biomolecular Chemistry, 2013, 11, 4207.	2.8	29
10	Highly enantioselective addition of phenylethynylzinc to aldehydes using aziridine-functionalized tridentate sulfinyl ligands. Tetrahedron: Asymmetry, 2010, 21, 2687-2689.	1.8	28
11	N-Trityl-aziridinyl alcohols as highly efficient chiral catalysts in asymmetric additions of organozinc species to aldehydes. Tetrahedron: Asymmetry, 2015, 26, 35-40.	1.8	27
12	Highly enantioselective asymmetric direct aldol reaction catalyzed by amine-functionalized tridentate sulfinyl ligands. Tetrahedron: Asymmetry, 2011, 22, 1325-1327.	1.8	26
13	Highly enantioselective aza-Henry reaction promoted by amine-functionalized tridentate sulfinyl ligands. Tetrahedron: Asymmetry, 2011, 22, 1087-1089.	1.8	24
14	Highly Efficient Asymmetric Simmonsâ€“Smith Cyclopropanation Promoted by Chiral Heteroorganic Aziridinyl Ligands. ChemCatChem, 2014, 6, 873-875.	3.7	23
15	Enzyme-Promoted Desymmetrisation of Prochiral Bis(cyanomethyl) Sulfoxide. Advanced Synthesis and Catalysis, 2007, 349, 1387-1392.	4.3	22
16	Limonene oxide derived aziridinyl alcohols as highly efficient catalysts for asymmetric additions of organozinc species to aldehydes. Tetrahedron: Asymmetry, 2014, 25, 219-223.	1.8	22
17	Lactic acid derived aziridinyl alcohols as highly effective catalysts for asymmetric additions of an organozinc species to aldehydes. Tetrahedron: Asymmetry, 2013, 24, 1336-1340.	1.8	20
18	Highly enantioselective addition of arylzinc reagents to aldehydes promoted by chiral aziridine alcohols. Tetrahedron: Asymmetry, 2016, 27, 1238-1244.	1.8	19

#	Article	IF	Citations
19	Enzyme-promoted desymmetrisation of prochiral bis(cyanomethyl)phenylphosphine oxide. Tetrahedron: Asymmetry, 2007, 18, 2108-2112.	1.8	18
20	Nucleophilic addition of (difluoromethyl)trimethylsilane to selected Î±-imino ketones and aryl diketones. Tetrahedron Letters, 2015, 56, 4701-4703.	1.4	17
21	Highly enantioselective asymmetric reactions involving zinc ions promoted by chiral aziridine alcohols. Tetrahedron: Asymmetry, 2017, 28, 1774-1779.	1.8	17
22	Synthesis and Evaluation of Biological Activities of Aziridine Derivatives of Urea and Thiourea. Molecules, 2018, 23, 45.	3.8	17
23	Direct asymmetric aldol condensation catalyzed by aziridine semicarbazide zinc(II) complexes. Tetrahedron Letters, 2014, 55, 2373-2375.	1.4	16
24	Enzymatic Synthesis of Enantiopure Precursors of Chiral Bidentate and Tridentate Phosphorus Catalysts. Advanced Synthesis and Catalysis, 2011, 353, 2446-2454.	4.3	15
25	Asymmetric Friedelâ€“Crafts Alkylation of Indoles Catalyzed by Chiral Aziridine-Phosphines. Catalysts, 2020, 10, 971.	3.5	14
26	Nitrilase-catalysed hydrolysis of cyanomethyl p-tolyl sulfoxide: stereochemistry and mechanism. Tetrahedron: Asymmetry, 2008, 19, 562-567.	1.8	13
27	Polydentate chiral heteroorganic ligands/catalystsâ€”impact of particular functional groups on their activity in selected reactions of asymmetric synthesis. Tetrahedron: Asymmetry, 2013, 24, 1417-1420.	1.8	12
28	Phosphinoyl-aziridines as a new class of chiral catalysts for enantioselective Michael addition. Tetrahedron, 2019, 75, 230-235.	1.9	12
29	Zinc(II) mediated asymmetric aldol condensation catalyzed by chiral aziridine ligands. Tetrahedron Letters, 2015, 56, 6506-6507.	1.4	11
30	Aziridinylethers as highly enantioselective ligands for the asymmetric addition of organozinc species to carbonyl compounds. Tetrahedron: Asymmetry, 2015, 26, 148-151.	1.8	11
31	Flash vacuum thermolysis generation and a UV-photoelectron spectroscopy study of the N-substituted iminoacetonitriles. Tetrahedron, 2009, 65, 9322-9327.	1.9	10
32	Highly efficient conjugate addition of diethylzinc to enones catalyzed by chiral ligands derived from (S)-mandelic acid. Tetrahedron: Asymmetry, 2013, 24, 1117-1119.	1.8	10
33	Synthesis and evaluation of the catalytic properties of semicarbazides derived from N-triphenylmethyl-aziridine-2-carbohydrazides. Tetrahedron: Asymmetry, 2013, 24, 1341-1344.	1.8	10
34	Enantioselective Mannich Reaction Promoted by Chiral Phosphinoyl-Aziridines. Catalysts, 2019, 9, 837.	3.5	10
35	Flash Vacuum Thermolysis of Nâ€(3â€•and 4â€Pyridylmethylidene)â€•tertâ€butylamines: Mechanisms of Formation of Pyrrolopyridines and Naphthyridines. European Journal of Organic Chemistry, 2014, 2014, 3020-3027.	2.4	8
36	Highly Efficient Asymmetric Aziridination of Unsaturated Aldehydes Promoted by Chiral Heteroâ€•organic Catalysts. ChemCatChem, 2015, 7, 3589-3592.	3.7	8

#	Article	IF	Citations
37	Highly efficient conjugate additions of diethylzinc to enones promoted by chiral aziridine alcohols and aziridine ethers. Tetrahedron: Asymmetry, 2015, 26, 924-927.	1.8	8
38	Synthesis of enantiomerically pure 2-(N -aryl, N -alkyl-aminomethyl)aziridines: a new class of ligands for highly enantioselective asymmetric synthesis. Tetrahedron: Asymmetry, 2017, 28, 1808-1816.	1.8	8
39	The sulfinyl group: Its importance for asymmetric synthesis and biological activity. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 649-653.	1.6	7
40	Efficient Asymmetric Simmons-Smith Cyclopropanation and Diethylzinc Addition to Aldehydes Promoted by Enantiomeric Aziridine-Phosphines. Catalysts, 2021, 11, 968.	3.5	7
41	Optically Pure Aziridin-2-yl Methanols as Readily Available ¹H NMR Sensors for Enantiodiscrimination of Î±-Racemic Carboxylic Acids Containing Tertiary or Quaternary Stereogenic Centers. Journal of Organic Chemistry, 2020, 85, 11794-11801.	3.2	6
42	Highly efficient chiral polydentate sulfinyl ligands/catalysts containing prolinol moiety. Tetrahedron, 2016, 72, 2649-2655.	1.9	5
43	Highly enantioselective asymmetric reduction of aromatic ketimines promoted by chiral enantiomerically pure sulfoxides as organocatalysts. Journal of Sulfur Chemistry, 2018, 39, 380-387.	2.0	5
44	Chiral imines prepared from 1-(2-aminoalkyl)aziridines as novel chiral shifts reagents for efficient recognition of acids. Tetrahedron, 2018, 74, 1571-1579.	1.9	4
45	Photophysical properties of novel fluorescent thin solid layers based on the Aggregation Induced Emission of alkoxy-substituted salicylaldehyde azines. Journal of Luminescence, 2021, 229, 117668.	3.1	4
46	Highly enantioselective asymmetric direct aldol reaction promoted by aziridine amides constructed on chiral terpene scaffold. Chirality, 2017, 29, 213-220.	2.6	3
47	Highly Efficient Asymmetric Moritaâ€“Baylisâ€“Hillman Reaction Promoted by Chiral Aziridine-Phosphines. Catalysts, 2022, 12, 394.	3.5	3
48	Enantiodivergent Aldol Condensation in the Presence of Aziridine/Acid/Water Systems. Symmetry, 2020, 12, 930.	2.2	2
49	Recent Advances in Selected Asymmetric Reactions Promoted by Chiral Catalysts: Cyclopropanations, Friedelâ€“Crafts, Mannich, Michael and Other Zinc-Mediated Processesâ€”An Update. Symmetry, 2021, 13, 1762.	2.2	2
50	Synthesis of chiral 1-(2-aminoalkyl)aziridines via the self-opening reaction of aziridine. Arkivoc, 2017, 2017, 223-234.	0.5	1