Michael I Page

List of Publications by Year
in descending order

128	3,375	147801 31	182427 51
papers	citations	h-index	g-index

141	141	141	2444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carboxamide substituted tetramethylcyclopentadiene â€“ synthesis, characterisation and its iridium(<scp>iii</scp>) complex catalysed reduction of imines. Dalton Transactions, 2022, 51, 2696-2707.	3.3	0
2	Changing the kinetic order of enantiomer formation and distinguishing between iminium ion and imine as the reactive species in the asymmetric transfer hydrogenation of substituted imines using a cyclopentadienyl iridium (III) complex. Pure and Applied Chemistry, 2020, 92, 107-121.	1.9	6
3	Catalysis, kinetics and mechanisms of organo-iridium enantioselective hydrogenation-reduction. Catalysis Science and Technology, 2020, 10, 590-612.	4.1	15
4	Both the mono- and di-anions of ellagic acid are effective inhibitors of the serine Î²-lactamase CTX-M-15. RSC Advances, 2019, 9, 30637-30640.	3.6	2
5	Peptide biomarkers for identifying the species origin of gelatin using coupled UPLC-MS/MS. Journal of Food Composition and Analysis, 2018, 73, 83-90.	3.9	16
6	Sphingosine and dihydrosphingosine as biomarkers for multiple sclerosis identified by metabolomic profiling using coupled UPLC-MS. Analytical Methods, 2017, 9, 5929-5934.	2.7	2
7	Lipase catalysed conversion of triglycerides to amides in liquid ammonia. Journal of Physical Organic Chemistry, 2016, 29, 768-772.	1.9	1
8	The kinetics and mechanism of the organo-iridium catalysed racemisation of amines. Organic and Biomolecular Chemistry, 2016, 14, 7092-7098.	2.8	8
9	Phosphorothioate anti-sense oligonucleotides: the kinetics and mechanism of the generation of the sulfurising agent from phenylacetyl disulfide (PADS). Organic and Biomolecular Chemistry, 2016, 14, 8301-8308.	2.8	5
10	Phosphorothioate anti-sense oligonucleotides: the kinetics and mechanism of the sulfurisation of phosphites by phenylacetyl disulfide (PADS). Organic and Biomolecular Chemistry, 2016, 14, 10840-10847.	2.8	3
11	The kinetics and mechanism of the organo-iridium-catalysed enantioselective reduction of imines. Organic and Biomolecular Chemistry, 2016, 14, 3614-3622.	2.8	27
12	Micelle Formation in Liquid Ammonia. Journal of Organic Chemistry, 2015, 80, 7033-7039.	3.2	5
13	pH and basicity of ligands control the binding of metal-ions to B. cereus B1 Î²-lactamase. Chemical Science, 2014, 5, 3120-3129.	7.4	8
14	Kinetics of the conversion of methyl benzoate to benzamide by the alumina catalysed reaction with liquid ammonia at 120 Â°C. Catalysis Science and Technology, 2014, 4, 3870-3878.	4.1	6
15	Unusual Stability and Carbon Acidity of a Dicationic Carbon Species. Journal of Organic Chemistry, 2013, 78, 10732-10736.	3.2	2
16	Reaction kinetics in liquid ammonia up to 120Â°C: techniques and some solvolysis and substitution reactions. Journal of Physical Organic Chemistry, 2013, 26, 1038-1043.	1.9	6
17	The ammonolysis of esters in liquid ammonia. Journal of Physical Organic Chemistry, 2013, 26, 1032-1037.	1.9	7
18	Organic reactivity in liquid ammonia. Organic and Biomolecular Chemistry, 2012, 10, 5732.	2.8	23

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19	Copper(I)-Catalyzed Amination of Aryl Halides in Liquid Ammonia. Journal of Organic Chemistry, 2012, 77, 7471-7478.	3.2	74
20	Copper catalysed azideâ€“alkyne cycloaddition (CuAAC) in liquid ammonia. Organic and Biomolecular Chemistry, 2012, 10, 7965.	2.8	20
21	Reactive intermediates in the H-phosphonate synthesis of oligonucleotides. Organic and Biomolecular Chemistry, 2012, 10, 5940.	2.8	10
22	Ionization of Carbon Acids in Liquid Ammonia. Organic Letters, 2011, 13, 6118-6121.	4.6	15
23	Liquid Ammonia as a Dipolar Aprotic Solvent for Aliphatic Nucleophilic Substitution Reactions. Journal of Organic Chemistry, 2011, 76, 1425-1435.	3.2	17
24	The Kinetics and Mechanisms of Aromatic Nucleophilic Substitution Reactions in Liquid Ammonia. Journal of Organic Chemistry, 2011, 76, 3286-3295.	3.2	47
25	Structure and Reactivity of Î²-Lactams. , 2011, , 169-200.		1
26	The kinetics and mechanism of the acid-catalysed detritylation of nucleotides in non-aqueous solution. Organic and Biomolecular Chemistry, 2009, 7, 52-57.	2.8	15
27	Loss of enzyme activity during turnover of the Bacillus cereus Î²-lactamase catalysed hydrolysis of Î²-lactams due to loss of zinc ion. Journal of Biological Inorganic Chemistry, 2008, 13, 919-928.	2.6	25
28	An Activated Sulfonylating Agent That Undergoes General Base-Catalyzed Hydrolysis by Amines in Preference to Aminolysis. Journal of Organic Chemistry, 2008, 73, 4504-4512.	3.2	14
29	The mechanism of the phosphoramidite synthesis of polynucleotides. Organic and Biomolecular Chemistry, 2008, 6, 3270.	2.8	20
30	Azetidine-2,4-diones (4-Oxo-Î²-lactams) as Scaffolds for Designing Elastase Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 1783-1790.	6.4	31
31	The Mechanisms of Catalysis by Metallo -Lactamases. Bioinorganic Chemistry and Applications, 2008, 2008, 1-14.	4.1	79
32	The activity of the dinuclear cobalt-Î²-lactamase from Bacillus cereus in catalysing the hydrolysis of Î²-lactams. Biochemical Journal, 2007, 401, 197-203.	3.7	37
33	The aminolysis of N-aroyl Î²-lactams occurs by a concerted mechanism. Organic and Biomolecular Chemistry, 2007, 5, 485-493.	2.8	18
34	Mechanism of the sulfurisation of phosphines and phosphites using 3-amino-1,2,4-dithiazole-5-thione (xanthane hydride). Organic and Biomolecular Chemistry, 2007, 5, 478-484.	2.8	12
35	Catalytic Racemisation of Chiral Amines and Application in Dynamic Kinetic Resolution. Organic Process Research and Development, 2007, 11, 642-648.	2.7	112
36	Evidence for the formation of isothiocyanate during sulfurisation of phosphines and phosphites using xanthane hydride. Tetrahedron Letters, 2007, 48, 417-419.	1.4	3

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37	Chemoenzymatic dynamic kinetic resolution of secondary amines. Tetrahedron Letters, 2007, 48, 1247-1250.	1.4	116
38	Reactivity and selectivity in the inhibition of elastase by 3-oxo-Î²-sultams and in their hydrolysis. Organic and Biomolecular Chemistry, 2007, 5, 3993.	2.8	23
39	The Variation of Catalytic Efficiency of Bacillus cereus Metallo-Î²-lactamase with Different Active Site Metal Ions. Biochemistry, 2006, 45, 10654-10666.	2.5	50
40	Enzyme Deactivation Due to Metal-Ion Dissociation during Turnover of the Cobalt-Î²-Lactamase Catalyzed Hydrolysis of Î²-Lactamsâ€. Biochemistry, 2006, 45, 11012-11020.	2.5	29
41	Comparison of the mechanisms of reactions of Î²-lactams and Î²-sultams, including their reactions with some serine enzymes. Journal of Physical Organic Chemistry, 2006, 19, 446-451.	1.9	12
42	The synthesis of azabicyclo[4.2.1]nonenes by the addition of a cyclopropenone to 4-vinyl substituted 1-azetinesâ€"isomers of the homotropane nucleus. Tetrahedron Letters, 2006, 47, 425-428.	1.4	33
43	Competitive endo- and exo-cyclic CÂ–N fission in the hydrolysis of N-aroyl Î²-lactams. Canadian Journal of Chemistry, 2005, 83, 1432-1439.	1.1	5
44	Inhibitors of Metallo-Î²-lactamase Generated from Î²-Lactam Antibioticsâ€. Biochemistry, 2005, 44, 8578-8589.	2.5	30
45	Acylation versus Sulfonylation in the Inhibition of Elastase by 3-Oxo-Î²-Sultams. Journal of the American Chemical Society, 2005, 127, 8946-8947.	13.7	42
46	Inactivation of Bacterialdd-Peptidase by Î²-Sultamsâ€. Biochemistry, 2005, 44, 7738-7746.	2.5	30
47	Different Transition-State Structures for the Reactions of Î²-Lactams and Analogous Î²-Sultams with Serine Î²-Lactamases. Journal of the American Chemical Society, 2005, 127, 17556-17564.	13.7	27
48	The inhibition of metallo-Î²-lactamase by thioxo-cephalosporin derivatives. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1737-1739.	2.2	22
49	Thiol-catalysed hydrolysis of cephalosporins and possible rate-limiting amine anion expulsion. Journal of Physical Organic Chemistry, 2004, 17, 521-528.	1.9	17
50	Î²-Sultams â€" Mechanism of Reactions and Use as Inhibitors of Serine Proteases. ChemInform, 2004, 35, no.	0.0	0
51	Intramolecular general acid catalysis in the aminolysis of Î²-lactam antibiotics. Organic and Biomolecular Chemistry, 2004, 2, 651-654.	2.8	45
52	Acyl vs Sulfonyl Transfer inN-Acyl Î²-Sultams and 3-Oxo-Î²-sultams. Organic Letters, 2004, 6, 201-203.	4.6	18
53	Kinetics and Mechanisms of Hydrolysis and Aminolysis of Thioxocephalosporins. Journal of Organic Chemistry, 2004, 69, 339-344.	3.2	13
54	Î²-SultamsMechanism of Reactions and Use as Inhibitors of Serine Proteases. Accounts of Chemical Research, 2004, 37, 297-303.	15.6	57

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55	Novel mechanism of inhibiting Î²-Lactamases by sulfonylation using Î²-Sultams. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 4489-4492.	2.2	29
56	Structureâ€"reactivity relationships in the inactivation of elastase by Î²-sultams. Organic and Biomolecular Chemistry, 2003, 1, 67-80.	2.8	38
57	Mutational analysis of the two zinc-binding sites of the Bacillus cereus 569/H/9 metallo-Î²-lactamase. Biochemical Journal, 2002, 363, 687.	3.7	35
58	Mutational analysis of the two zinc-binding sites of the Bacillus cereus 569/H/9 metallo-Î²-lactamase. Biochemical Journal, 2002, 363, 687-696.	3.7	48
59	Acylating Agents as Enzyme Inhibitors and Understanding Their Reactivity for Drug Design. Journal of Medicinal Chemistry, 2002, 45, 2850-2856.	6.4	28
60	Corrigendum to â€œHighly diastereoselective synthesis and template manipulation of the thiazolo[2,3-a]isoindolin-1-one ring systemâ€• Tetrahedron Letters, 2002, 43, 175.	1.4	2
61	Reactivity and the mechanisms of reactions of Î²-sultams with nucleophiles. Perkin Transactions II RSC, 2002, , 938-946.	1.1	18
62	Unusual steric effects in sulfonyl transfer reactions. Perkin Transactions II RSC, 2001, , 1503-1505.	1.1	7
63	Î²-Sultamsâ€"A novel class of serine protease inhibitors. Chemical Communications, 2001, , 497-498.	4.1	23
64	Cysteinyl peptide Inhibitors of Bacillus cereus Zinc Î²-Lactamase. Bioorganic and Medicinal Chemistry, 2001, 9, 503-510.	3.0	58
65	The Relative Catalytic Efficiency of Î²-Lactamase Catalyzed Acyl and Phosphyl Transfer. Bioorganic Chemistry, 2001, 29, 77-95.	4.1	9
66	The Chemical Reactivity of Î²-Lactams, Î²-Sultams and Î²-Phospholactams. Tetrahedron, 2000, 56, 5631-5638.	1.9	51
67	Highly diastereoselective synthesis and template manipulation of the thiazolo[2,3-a]isoindolin-1-one ring system. Tetrahedron Letters, 2000, 41, 2219-2222.	1.4	12
68	Reactivity and Mechanism in the Hydrolysis of Î²-Sultams. Journal of the American Chemical Society, 2000, 122, 3375-3385.	13.7	84
69	Thiol-catalysed hydrolysis of benzylpenicillin. Perkin Transactions II RSC, 2000, , 1521-1525.	1.1	17
70	Approaches to the synthesis of non-racemic 3-substituted isoindolinone derivatives. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 1715-1721.	1.3	43
71	A new approach to the synthesis of non-racemic isoindolin-1-one derivatives. Tetrahedron Letters, 1999, 40, 141-142.	1.4	31
72	A highly diastereoselective synthesis of 3-substituted isoindolin-1-one dericatives. Tetrahedron Letters, 1999, 40, 143-146.	1.4	38

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73	General acid catalysed hydrolysis of Î²-sultams involves nucleophilic catalysis. Chemical Communications, 1999, , 2401-2402.	4.1	18
74	Peptidase activity of Î²-lactamases. Biochemical Journal, 1999, 341, 409-413.	3.7	27
75	Peptidase activity of Î²-lactamases. Biochemical Journal, 1999, 341, 409.	3.7	11
76	Enantioselective biotransformations using rhodococci. , 1998, 74, 99-106.		25
77	A facile and highly stereoselective approach to a polycyclic isoindolinone ring system via an N-acyliminium ion cyclization reaction. Tetrahedron Letters, 1998, 39, 4905-4908.	1.4	64
78	Chemical Reactivity of Penicillins and Cephalosporins. Intramolecular Involvement of the Acyl-Amido Side Chain. Journal of Organic Chemistry, 1998, 63, 9052-9060.	3.2	21
79	The mechanism of catalysis and the inhibition of Î²-lactamases. Chemical Communications, 1998, , 1609-1617.	4.1	108
80	The mechanism of catalysis and the inhibition of the Bacillus cereus zinc-dependent Î²-lactamase. Biochemical Journal, 1998, 331, 703-711.	3.7	168
81	An unexpected Mitsunobu reaction. A direct route to the 2,5-diazabicyclo[2.2.1]heptan-3-one skeleton as a Î³-lactam mimic of Î²-lactam antibiotics. Journal of the Chemical Society Perkin Transactions 1, 1997, , 503-510.	0.9	10
82	Evidence for a trigonal bipyramidal intermediate during nucleophilic substitution at a sulfonyl centre and for a sulfonylium cation in the acid catalysed reaction. Chemical Communications, 1997, , 2037-2038.	4.1	5
83	A highly diastereoselective synthesis of tricyclic lactams and their application as novel N-acyl iminium ion precursors in the synthesis of isoindolinone derivatives. Tetrahedron Letters, 1997, 38, 3627-3630.	1.4	42
84	The hydrolytic reactivity of Î²-sultams. Journal of the Chemical Society Perkin Transactions II, 1996, , 2245-2246.	0.9	20
85	pH Dependence of and kinetic solvent isotope effects on the methanolysis and hydrolysis of .beta.-lactams catalyzed by class C .beta.-lactamase. Journal of the American Chemical Society, 1995, 117, 12092-12095.	13.7	34
86	Penicillin 3-aldehyde is a good substrate and not an inhibitor of Î²-lactamases A and C. Journal of the Chemical Society Perkin Transactions II, 1995, , 869-870.	0.9	1
87	Structureâ€"activity relationships in the esterase-catalysed hydrolysis and transesterification of esters and lactones. Journal of the Chemical Society Perkin Transactions II, 1994, , 2021-2029.	0.9	33
88	Large rate enhancement for the hydrolysis of a four-membered ring phosphonamidate. Journal of the Chemical Society Chemical Communications, 1994, , 1223.	2.0	3
89	The mechanism of reactions catalysed by the serine Î²-lactamases. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2317-2322.	2.2	12
90	The roles of the carboxy group in Î²-lactam antibiotics and lysine 234 in Î²-lactamase I. Journal of the Chemical Society Perkin Transactions II, 1993, , 17-21.	0.9	8

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91	The mechanisms of hydrolysis of the Î³-lactam isatin and its derivatives. Journal of the Chemical Society Perkin Transactions II, 1993, , 23-28.	0.9	28
92	The resolution of racemic 1,2-diols by the esterase catalysed hydrolysis of the corresponding cyclic carbonate. Tetrahedron, 1992, 48, 7731-7734.	1.9	21
93	An esterase with Î²-lactamase activity. Journal of the Chemical Society Chemical Communications, 1991, , 316-317.	2.0	19
94	Thiazolidine ring opening in penicillin derivatives. Part 1. Imine formation. Journal of the Chemical Society Perkin Transactions II, 1991, , 1219.	0.9	19
95	Thiazolidine ring opening in penicillin derivatives. Part 2. Enamine formation. Journal of the Chemical Society Perkin Transactions II, 1991, , 1225.	0.9	10
96	Alcohol-catalysed hydrolysis of benzylpenicillin. Journal of the Chemical Society Perkin Transactions II, 1991, , 1213.	0.9	23
97	The hydrolysis of azetidinyl amidinium salts. Part 1. The unimportance of strain release in the four-membered ring. Journal of the Chemical Society Perkin Transactions II, 1990, , 805.	0.9	14
98	The effect of the carboxy group on the chemical and Î²-lactamase reactivity of Î²-lactam antibiotics. Journal of the Chemical Society Perkin Transactions II, 1989, , 1577-1581.	0.9	34
99	Energy differences and their relevance to enzyme and intramolecular catalysis. Journal of Molecular Catalysis, 1988, 47, 241-253.	1.2	2
100	Hydrolysis of 6-alkyl penicillins catalysed by Î²-lactamase I from Bacillus cereus and by hydroxide ion. Journal of the Chemical Society Perkin Transactions II, 1988, , 1809-1813.	0.9	9
101	The Mechanisms of Reactions of Î²-Lactam Antibiotics. Advances in Physical Organic Chemistry, 1987, , 165-270.	0.5	67
102	Equilibria between enamine and Î±,Î²-unsaturated imine in cephalosporin hydrolysis. Journal of the Chemical Society Chemical Communications, 1986, , 1039-1040.	2.0	7
103	Stereochemical studies. Part 112. Geometrical dependence of intramolecular catalysis in the hydrolysis and aminolysis of aryl esters. Journal of the Chemical Society Perkin Transactions II, 1986, , 867-871.	0.9	7
104	Stereochemistry and ring opening of a carbocyclic analogue of a 1-oxapenam. Tetrahedron Letters, 1986, 27, 1631-1634.	1.4	8
105	Opening of the thiazolidine ring of penicillin derivatives. Journal of the Chemical Society Chemical Communications, 1985, , 1702.	2.0	12
106	Chapter 7 The mechanisms of chemical catalysis used by enzymes. New Comprehensive Biochemistry, 1984, , 229-269.	0.1	0
107	Mechanism of .beta.-lactam ring opening in cephalosporins. Journal of the American Chemical Society, 1984, 106, 3820-3825.	13.7	60
108	The mechanisms of reactions of .beta.-lactam antibiotics. Accounts of Chemical Research, 1984, 17, 144-151.	15.6	200

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109	Chapter 1 The energetics and specificity of enzymeâ€"substrate interactions. New Comprehensive Biochemistry, 1984, , 1-54.	0.1	13
110	The chemical reactivity of penicillins and other Î²-lactam antibiotics. Journal of the Chemical Society Perkin Transactions II, 1982, , 1185-1192.	0.9	63
111	The micelle-catalysed hydrolysis of benzylpenicillin. Journal of the Chemical Society Perkin Transactions II, 1982, , 147.	0.9	13
112	The effect of increasing the hydrophobicity of penicillin on its micelle-catalysed hydrolysis. Journal of the Chemical Society Perkin Transactions II, 1982, , 155.	0.9	11
113	Transition states, standard states and enzymic catalysis. International Journal of Biochemistry & Cell Biology, 1980, 11, 331-335.	0.5	17
114	Intra- and inter-molecular catalysis in the aminolysis of benzylpenicillin. Journal of the Chemical Society Perkin Transactions II, 1980, , 212.	0.9	28
115	Structureâ€"reactivity relationships and the mechanism of general base catalysis in the hydrolysis of a hydroxy-amide. Concerted breakdown of a tetrahedral intermediate. Journal of the Chemical Society Perkin Transactions II, 1980, , 685-692.	0.9	6
116	Metal-ion catalysed hydrolysis of some Î²-lactam antibiotics. Journal of the Chemical Society Perkin Transactions II, 1980, , 1725-1732.	0.9	67
117	Hydroxy-group participation in the hydrolysis of amides and its effective concentration in the absence of strain effects. Journal of the Chemical Society Perkin Transactions II, 1980, , 679.	0.9	10
118	Buffer catalysis in the hydrazinolysis of benzylpenicillin. Journal of the Chemical Society Perkin Transactions II, 1980, , 220.	0.9	16
119	The principles of enzymatic catalysis. International Journal of Biochemistry & Cell Biology, 1979, 10, 471-476.	0.5	7
120	Intramolecular general acid catalysis in the aminolysis of benzylpenicillin. A preferred direction of nucleophilic attack. Journal of the Chemical Society Chemical Communications, 1979, , 298.	2.0	14
121	The aminolysis of penicillin derivatives. Rate constants for the formation and breakdown of the tetrahedral addition intermediate. Journal of the Chemical Society Perkin Transactions II, 1979, , 137.	0.9	16
122	Metal ion catalysis in the aminolysis of penicillin. Journal of the Chemical Society Perkin Transactions II, 1978, , 335.	0.9	34
123	Intramolecular nucleophilic and general acid catalysis in the hydrolysis of an amide. Journal of the Chemical Society Chemical Communications, 1978, , 591.	2.0	12
124	A tetrahedral intermediate in the aminolysis of benzylpenicillin. Journal of the Chemical Society Chemical Communications, 1978, , 374.	2.0	4
125	Ground state and transition state effects in the acylation of Î±-chymotrypsin in organic solventâ€"water mixtures. Journal of the Chemical Society Perkin Transactions II, 1974, , 66-70.	0.9	28
126	Uncatalyzed aminolysis of acetylimidazole. Limiting product-like transition state for acyl transfer. Journal of the American Chemical Society, 1972, 94, 3263-3264.	13.7	12

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127	Nonlinear broensted relation for general acid-base catalysis of aminolysis reactions. Journal of the American Chemical Society, 1972, 94, 4729-4731.	13.7	3
128	The kinetics and mechanisms of organic reactions in liquid ammonia. Faraday Discussions, 0, 145, 15-25.	3.2	19