

Choong Eui Song

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151
papers

6,942
citations

45
h-index

78
g-index

188
ext. papers

7,480
ext. citations

7.9
avg, IF

5.91
L-index

#	Paper	IF	Citations
151	Supported chiral catalysts on inorganic materials. <i>Chemical Reviews</i> , 2002 , 102, 3495-524	68.1	592
150	Enantioselective chemo- and bio-catalysis in ionic liquids. <i>Chemical Communications</i> , 2004 , 1033-43	5.8	268
149	Practical method to recycle a chiral (salen)Mn epoxidation catalyst by using an ionic liquid. <i>Chemical Communications</i> , 2000 , 837-838	5.8	226
148	Imidazolium ion-terminated self-assembled monolayers on Au: effects of counteranions on surface wettability. <i>Journal of the American Chemical Society</i> , 2004 , 126, 480-1	16.4	221
147	New method of fluorination using potassium fluoride in ionic liquid: significantly enhanced reactivity of fluoride and improved selectivity. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10278-9	16.4	208
146	Scandium(III) triflate immobilised in ionic liquids: a novel and recyclable catalytic system for Friedel-Crafts alkylation of aromatic compounds with alkenes. <i>Chemical Communications</i> , 2000 , 1695-1696	5.8	180
145	Toward understanding the origin of positive effects of ionic liquids on catalysis: formation of more reactive catalysts and stabilization of reactive intermediates and transition states in ionic liquids. <i>Accounts of Chemical Research</i> , 2010 , 43, 985-94	24.3	163
144	Dramatic enhancement of catalytic activity in an ionic liquid: highly practical Friedel-Crafts alkenylation of arenes with alkynes catalyzed by metal triflates. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6183-5	16.4	159
143	A highly reactive and enantioselective bifunctional organocatalyst for the methanolytic desymmetrization of cyclic anhydrides: prevention of catalyst aggregation. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7872-5	16.4	143
142	Significantly enhanced reactivities of the nucleophilic substitution reactions in ionic liquid. <i>Journal of Organic Chemistry</i> , 2003 , 68, 4281-5	4.2	140
141	Organocatalytic Enantioselective Michael-Addition of Malonic Acid Half-Thioesters to Nitroolefins: From Mimicry of Polyketide Synthases to Scalable Synthesis of Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 3196-3202	5.6	119
140	Palladium nanoparticles supported onto ionic carbon nanotubes as robust recyclable catalysts in an ionic liquid. <i>Chemical Communications</i> , 2008 , 942-4	5.8	113
139	Ionic liquids as powerful media in scandium triflate catalysed Diels-Alder reactions: significant rate acceleration, selectivity improvement and easy recycling of catalyst. <i>Chemical Communications</i> , 2001 , 1122-1123	5.8	112
138	Poly(ethylene oxide)-based polymer electrolyte incorporating room-temperature ionic liquid for lithium batteries. <i>Solid State Ionics</i> , 2007 , 178, 1235-1241	3.3	107
137	Bifunctional organocatalyst for methanolytic desymmetrization of cyclic anhydrides: increasing enantioselectivity by catalyst dilution. <i>Chemical Communications</i> , 2008 , 1208-10	5.8	106
136	Metal Triflate-Catalyzed Regio- and Stereoselective Friedel-Crafts Alkenylation of Arenes with Alkynes in an Ionic Liquid: Scope and Mechanism. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1725-1737	5.6	103
135	Organotextile catalysis. <i>Science</i> , 2013 , 341, 1225-9	33.3	98

134	Unprecedented Hydrophobic Amplification in Noncovalent Organocatalysis in Water Hydrophobic Chiral Squaramide Catalyzed Michael Addition of Malonates to Nitroalkenes. <i>ACS Catalysis</i> , 2015 , 5, 3613-3619	13.1	91
133	Organocatalytic enantioselective decarboxylative aldol reaction of malonic acid half thioesters with aldehydes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12143-7	16.4	91
132	Hydrogen-bond promoted nucleophilic fluorination: concept, mechanism and applications in positron emission tomography. <i>Chemical Society Reviews</i> , 2016 , 45, 4638-50	58.5	90
131	Electrospun polymer membrane activated with room temperature ionic liquid: Novel polymer electrolytes for lithium batteries. <i>Journal of Power Sources</i> , 2007 , 172, 863-869	8.9	89
130	Hydrogen bonding mediated enantioselective organocatalysis in brine: significant rate acceleration and enhanced stereoselectivity in enantioselective Michael addition reactions of 1,3-dicarbonyls to Nitroolefins. <i>Chemical Communications</i> , 2011 , 47, 9621-3	5.8	87
129	Catalytic asymmetric hydrogenation in a room temperature ionic liquid using chiral Rh-complex of ionic liquid grafted 1,4-bisphosphine ligand. <i>Chemical Communications</i> , 2003 , 2624-5	5.8	85
128	Bis-terminal hydroxy polyethers as all-purpose, multifunctional organic promoters: a mechanistic investigation and applications. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7683-6	16.4	84
127	Heterogeneous asymmetric epoxidation of alkenes catalysed by a polymer-bound (pyrrolidine salen)manganese(III) complex. <i>Chemical Communications</i> , 2000 , 615-616	5.8	82
126	DOSY NMR for monitoring self aggregation of bifunctional organocatalysts: increasing enantioselectivity with decreasing catalyst concentration. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3918-22	3.9	80
125	Inhibition of TNF-alpha, IL-1beta, and IL-6 productions and NF-kappa B activation in lipopolysaccharide-activated RAW 264.7 macrophages by catalposide, an iridoid glycoside isolated from <i>Catalpa ovata</i> G. Don (Bignoniaceae). <i>International Immunopharmacology</i> , 2002 , 2, 1173-81	5.8	77
124	Cr(salen) catalysed asymmetric ring opening reactions of epoxides in room temperature ionic liquids. <i>Chemical Communications</i> , 2000 , 1743-1744	5.8	76
123	Organic radical battery with PTMA cathode: Effect of PTMA content on electrochemical properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 371-376	6.3	72
122	Effect of radical polymer cathode thickness on the electrochemical performance of organic radical battery. <i>Solid State Ionics</i> , 2007 , 178, 1546-1551	3.3	71
121	Efficient and practical polymeric catalysts for heterogeneous asymmetric dihydroxylation of olefins. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 645-648		71
120	A polymer-supported Cinchona-based bifunctional sulfonamide catalyst: a highly enantioselective, recyclable heterogeneous organocatalyst. <i>Chemical Communications</i> , 2009 , 2220-2	5.8	66
119	Hydroxylation of alkyl halides with water in ionic liquid: significantly enhanced nucleophilicity of water. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3186-9	4.2	66
118	Parts-per-million level loading organocatalysed enantioselective silylation of alcohols. <i>Nature Communications</i> , 2015 , 6, 7512	17.4	65
117	Hydrogenation of arenes by dual activation: reduction of substrates ranging from benzene to C60 fullerene under ambient conditions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8615-7	16.4	65

116	Rechargeable Organic Radical Battery with Electrospun, Fibrous Membrane-Based Polymer Electrolyte. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A839	3.9	59
115	New C2-symmetric chiral ketones for catalytic asymmetric epoxidation of unfunctionalized olefins. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 2921-2926		56
114	A chiral-anion generator: application to catalytic desilylative kinetic resolution of silyl-protected secondary alcohols. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8915-7	16.4	55
113	The dramatic acceleration effect of imidazolium ionic liquids on electron transfer reactions. <i>Chemical Communications</i> , 2007 , 3467-9	5.8	55
112	Induction of heme oxygenase-1 is involved in anti-proliferative effects of paclitaxel on rat vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 321, 132-7	3.4	54
111	Water-Enabled Catalytic Asymmetric Michael Reactions of Unreactive Nitroalkenes: One-Pot Synthesis of Chiral GABA-Analogs with All-Carbon Quaternary Stereogenic Centers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1835-1839	16.4	53
110	Scalable organocatalytic asymmetric Strecker reactions catalysed by a chiral cyanide generator. <i>Nature Communications</i> , 2012 , 3, 1212	17.4	53
109	Enantioselective Alcoholysis of meso-Glutaric Anhydrides Catalyzed by Cinchona-Based Sulfonamide Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 2211-2217	5.6	53
108	Self-supported oligomeric Grubbs/Hoveyda-type Ru-carbene complexes for ring-closing metathesis. <i>Organic Letters</i> , 2007 , 9, 3845-8	6.2	52
107	Electrochemical properties of rechargeable organic radical battery with PTMA cathode. <i>Metals and Materials International</i> , 2009 , 15, 77-82	2.4	47
106	Acceleration of the Baylis-Hillman Reaction in the Presence of Ionic Liquids. <i>Helvetica Chimica Acta</i> , 2003 , 86, 894-899	2	44
105	Osmium tetroxide-(QN)2PHAL in an ionic liquid: a highly efficient and recyclable catalyst system for asymmetric dihydroxylation of olefins. <i>Chemical Communications</i> , 2002 , 3038-9	5.8	44
104	Silica gel supported bis-cinchona alkaloid: a highly efficient chiral ligand for heterogeneous asymmetric dihydroxylation of olefins. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 841-844		43
103	5 Immobilisation of chiral catalysts: easy recycling of catalyst and improvement of catalytic efficiencies. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2005 , 101, 143		41
102	Novel 1,4-diphosphanes with imidazolidin-2-one backbones as chiral ligands: highly enantioselective Rh-catalyzed hydrogenation of enamides. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 847-9	16.4	41
101	Osmium tetroxide anchored to porous resins bearing residual vinyl groups: a highly active and recyclable solid for asymmetric dihydroxylation of olefins. <i>Organic Letters</i> , 2002 , 4, 4685-8	6.2	41
100	Direct Catalytic Asymmetric Mannich Reaction with Dithiomalonates as Excellent Mannich Donors: Organocatalytic Synthesis of (R)-Sitagliptin. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10825-9	16.4	41
99	Heterogeneous Pd-catalyzed asymmetric allylic substitution using resin-supported trost-type bisphosphane ligands. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3852-4	16.4	40

98	Organocatalytic Asymmetric Synthesis of Chiral Dioxazinanes and Dioxazepanes with in Situ Generated Nitrones via a Tandem Reaction Pathway Using a Cooperative Cation Binding Catalyst. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16486-16492	16.4	39
97	Electrochemical properties of new organic radical materials for lithium secondary batteries. <i>Journal of Power Sources</i> , 2008 , 184, 503-507	8.9	39
96	Chiral Organometallic Catalysts in Confined Nanospaces: Significantly Enhanced Enantioselectivity and Stability. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2927-2935	2.3	39
95	Thermal Behaviors of Ionic Liquids Under Microwave Irradiation and Their Application on Microwave-Assisted Catalytic Beckmann Rearrangement of Ketoximes. <i>Synthetic Communications</i> , 2003 , 33, 2301-2307	1.7	39
94	Thermodynamically- and kinetically-controlled Friedel-Crafts alkenylation of arenes with alkynes using an acidic fluoroantimonate(v) ionic liquid as catalyst. <i>Chemical Communications</i> , 2007 , 3482-4	5.8	38
93	Self-association free bifunctional thiourea organocatalysts: synthesis of chiral α -amino acids via dynamic kinetic resolution of racemic azlactones. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 1052-5	3.9	37
92	Immobilisation of ketone catalyst: a method to prevent ketone catalyst from decomposing during dioxirane-mediated epoxidation of alkenes. <i>Chemical Communications</i> , 2000 , 2415-2416	5.8	36
91	New method for the preparation of (R)-carnitine. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 1063-1066		36
90	A new C ₂ -symmetric chiral bisphosphine ligand containing a bioxazole backbone: highly enantioselective hydrosilylation of ketones. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 4027-4031		35
89	C ₂ -Symmetric Bisphosphinobioxazoline as a Chiral Ligand. Highly Enantioselective Palladium-Catalyzed Allylic Substitutions and Formation of P,N,N,P Tetradentate Palladium (II) Complexes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 4445-4451	4.2	34
88	Organocatalytic Enantioselective Decarboxylative Aldol Reaction of Malonic Acid Half Thioesters with Aldehydes. <i>Angewandte Chemie</i> , 2013 , 125, 12365-12369	3.6	33
87	Synthesis of new C ₂ -symmetric bioxazoles and application as chiral ligands in asymmetric hydrosilylation. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 2927-2932		33
86	Asymmetric Synthesis of β -Fluoro- β -Amino-oxindoles with Tetrasubstituted C-F Stereogenic Centers via Cooperative Cation-Binding Catalysis. <i>Organic Letters</i> , 2017 , 19, 5336-5339	6.2	31
85	Oligoethylene glycols as highly efficient multifunctional promoters for nucleophilic-substitution reactions. <i>Chemistry - A European Journal</i> , 2012 , 18, 3918-24	4.8	31
84	Dramatic Enhancement of Catalytic Activity in an Ionic Liquid: Highly Practical Friedel-Crafts Alkenylation of Arenes with Alkynes Catalyzed by Metal Triflates. <i>Angewandte Chemie</i> , 2004 , 116, 6309-6311	3.6	31
83	Asymmetric Synthesis of Trisubstituted Tetrahydrothiophenes via in Situ Generated Chiral Fluoride-Catalyzed Cascade Sulfa-Michael/Aldol Reaction of 1,4-Dithiane-2,5-diol and α -Unsaturated Ketones. <i>Organic Letters</i> , 2017 , 19, 2298-2301	6.2	30
82	Direct Access to Chiral β -Fluoroamines with Quaternary Stereogenic Center through Cooperative Cation-Binding Catalysis. <i>Chemistry - A European Journal</i> , 2017 , 23, 1268-1272	4.8	30
81	N-heterocyclic carbene-catalysed intermolecular Stetter reactions of acetaldehyde. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 2069-71	3.9	30

80	Biomimetic catalytic transformation of toxic hexoaldehydes to high-value chiral hydroxythioesters using artificial glyoxalase I. <i>Nature Communications</i> , 2017 , 8, 14877	17.4	29
79	SN2 fluorination reactions in ionic liquids: a mechanistic study towards solvent engineering. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 418-22	3.9	29
78	Electrochemical Properties of PEO-Based Polymer Electrolytes Blended with Different Room Temperature Ionic Liquids. <i>Macromolecular Symposia</i> , 2007 , 249-250, 183-189	0.8	28
77	HALOGENATION OF AROMATIC METHYL KETONES USING OXONE [®] AND SODIUM HALIDE. <i>Synthetic Communications</i> , 2001 , 31, 3627-3632	1.7	28
76	Chemoselective and repetitive intermolecular cross-acyloin condensation reactions between a variety of aromatic and aliphatic aldehydes using a robust N-heterocyclic carbene catalyst. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1547-50	3.9	27
75	Highly Efficient Bipolar Host Materials with Indenocarbazole and Pyrimidine Moieties for Phosphorescent Green Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28757-28763	3.8	27
74	Polymeric cinchona alkaloids for the heterogeneous catalytic asymmetric dihydroxylation of olefins: The influence of the polymer backbone polarity on the compatibility between polymer support and reaction medium. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 2687-2694		27
73	Enantioselective Synthesis of anti-syn-Trihalides and anti-syn-anti-Tetrahalides via Asymmetric EElimination. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6431-6436	16.4	26
72	A new synthetic route to (3R,4S)-3-hydroxy-4-phenylazetidid-2-one as a taxol side chain precursor. <i>Tetrahedron: Asymmetry</i> , 1998 , 9, 983-992		26
71	Inhibition of inducible nitric oxide synthesis by catalposide from <i>Catalpa ovata</i> . <i>Planta Medica</i> , 2002 , 68, 685-9	3.1	26
70	Gold-catalyzed [5+2] cycloaddition of quinolinium zwitterions and allenamides as an efficient route to fused 1,4-diazepines. <i>Chemical Communications</i> , 2018 , 54, 6911-6914	5.8	25
69	Asymmetric Synthesis of 2-Thiocyanato-2-(1-aminoalkyl)-substituted 1-Tetralones and 1-Indanones with Tetrasubstituted Carbon Stereogenic Centers via Cooperative Cation-Binding Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 1879-1891	5.6	24
68	Structure-activity relationship study at the 3'-N-position of paclitaxel: synthesis and biological evaluation of 3'-N-acyl-paclitaxel analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 3145-51	3.4	24
67	Water-Enabled Catalytic Asymmetric Michael Reactions of Unreactive Nitroalkenes: One-Pot Synthesis of Chiral GABA-Analogs with All-Carbon Quaternary Stereogenic Centers. <i>Angewandte Chemie</i> , 2017 , 129, 1861-1865	3.6	23
66	Cooperative Cation-Binding Catalysis as an Efficient Approach for Enantioselective Friedel-Crafts Reaction of Indoles and Pyrrole. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 811-823	5.6	23
65	A mild and efficient method for the selective deprotection of silyl ethers using KF in the presence of tetraethylene glycol. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 8119-21	3.9	23
64	Enantioselective synthesis of deuterium labelled chiral amino acids via dynamic kinetic resolution of racemic azlactones. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7983-5	3.9	23
63	Activation of Lewis acid catalysts in the presence of an organic salt containing a non-coordinating anion: its origin and application potential. <i>Chemical Communications</i> , 2007 , 4683-5	5.8	23

62	Hydrophobic chirality amplification in confined water cages. <i>Nature Communications</i> , 2019 , 10, 851	17.4	22
61	Self-association-free dimeric cinchona alkaloid organocatalysts: unprecedented catalytic activity, enantioselectivity and catalyst recyclability in dynamic kinetic resolution of racemic azlactones. <i>Chemical Communications</i> , 2009 , 7224-6	5.8	22
60	Fluoride Anions in Self-Assembled Chiral Cage for the Enantioselective Protonation of Silyl Enol Ethers. <i>Organic Letters</i> , 2017 , 19, 3279-3282	6.2	21
59	A Chiral-Anion Generator: Application to Catalytic Desilylative Kinetic Resolution of Silyl-Protected Secondary Alcohols. <i>Angewandte Chemie</i> , 2010 , 122, 9099-9101	3.6	20
58	Polymer-supported bis-cinchona alkaloid ligands for asymmetric dihydroxylation of alkenes – a cautionary tale. <i>Tetrahedron: Asymmetry</i> , 1998 , 9, 1029-1034		19
57	One-step synthesis of paclitaxel side-chain precursor: benzamide-based asymmetric aminohydroxylation of isopropyl trans-cinnamate. <i>Tetrahedron: Asymmetry</i> , 1999 , 10, 671-674		18
56	Novel phosphinobioxazines as chiral ligands in palladium-catalyzed enantioselective allylic substitution. <i>Tetrahedron: Asymmetry</i> , 1999 , 10, 1795-1802		18
55	Polymeric cinchona alkaloids as catalysts in the enantioselective 2,2-cycloaddition reaction of ketene and chloral. <i>Tetrahedron: Asymmetry</i> , 1994 , 5, 1215-1218		17
54	Cinchona-based Sulfonamide Organocatalysts: Concept, Scope, and Practical Applications. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 1590-1600	1.2	16
53	Asymmetric Aminolization via Cation-Binding Catalysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 1020-1025	1.2	15
52	Bioinspired Synthesis of Chiral 3,4-Dihydropyranones via S-to-O Acyl-Transfer Reactions. <i>Organic Letters</i> , 2018 , 20, 1584-1588	6.2	14
51	Heterogeneous asymmetric aminohydroxylation of alkenes using a silica gel-supported bis-cinchona alkaloid. <i>Chemical Communications</i> , 1998 , 2435-2436	5.8	14
50	Synthesis of Diastereomeric 1,4-Diphosphine Ligands Bearing Imidazolidin-2-one Backbone and Their Application in Rh(I)-Catalyzed Asymmetric Hydrogenation of Functionalized Olefins. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 563-570	5.6	14
49	Direct Catalytic Asymmetric Mannich Reaction with Dithiomalonates as Excellent Mannich Donors: Organocatalytic Synthesis of (R)-Sitagliptin. <i>Angewandte Chemie</i> , 2016 , 128, 10983-10987	3.6	14
48	Kinetic Resolution of Allylic Alcohol with Chiral BINOL-Based Alkoxides: A Combination of Experimental and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1150-1159	16.4	14
47	Radiolabeling of paclitaxel with electrophilic ¹²³ I. <i>Bioorganic and Medicinal Chemistry</i> , 2000 , 8, 65-8	3.4	13
46	Oxygen tripod ligands with functionalized pendant arms: the dangling ligand concept in homogeneous catalysis. <i>Organometallics</i> , 1993 , 12, 4949-4954	3.8	13
45	Preparation of Ethyl (R)-3-hydroxy-4-chlorobutyrate by Selective Reduction of (R)-4-(Trichloromethyl)-oxetan-2-one: Key Intermediate to (R)-Carnitine and (R)-4-Amino-3-hydroxybutyric Acid. <i>Synthetic Communications</i> , 1997 , 27, 1009-1014	1.7	12

- 44 Oxidatively pure chiral (salen)Co(III)-X complexes in situ prepared by Lewis acid-promoted electron transfer from chiral (salen)Co(II) to oxygen: Their application in the hydrolytic kinetic resolution of terminal epoxides. *Journal of Molecular Catalysis A*, **2007**, 271, 70-74 12
- 43 Markedly enhanced recyclability of osmium catalyst in asymmetric dihydroxylation reactions by using macroporous resins bearing both residual vinyl groups and quaternary ammonium moieties. *Chemical Communications*, **2005**, 3337-9 5.8 12
- 42 Synthesis, biological activity and receptor-based 3-D QSAR study of 3'-N-substituted-3'-N-debenzoylpaclitaxel analogues. *Bioorganic and Medicinal Chemistry*, **2002**, 10, 3135-343 12
- 41 Direct Access to α -Trifluoromethyl- β -Hydroxy Thioesters by Biomimetic Organocatalytic Enantioselective Aldol Reaction. *Organic Letters*, **2019**, 21, 4567-4570 6.2 11
- 40 Kinetic Resolution of β -Hydroxy Carbonyl Compounds via Enantioselective Dehydration Using a Cation-Binding Catalyst: Facile Access to Enantiopure Chiral Aldols. *Organic Letters*, **2018**, 20, 2003-2006 6.2 11
- 39 New Mono-Quaternized Bis-Cinchona Alkaloid Ligands for Asymmetric Dihydroxylation of Olefins in Aqueous Medium: Unprecedented High Enantioselectivity and Recyclability. *Advanced Synthesis and Catalysis*, **2006**, 348, 2560-2564 5.6 11
- 38 Asymmetric Hydrocyanation of 3-Phenoxybenzaldehyde Catalyzed by Polymer-Bound Cyclic Dipeptides. *Synthetic Communications*, **1994**, 24, 103-109 1.7 11
- 37 Preparation and application of TEMPO-based di-radical organic electrode with ionic liquid-based polymer electrolyte. *RSC Advances*, **2012**, 2, 10394 3.7 10
- 36 Multicomponent dipolar cycloadditions: efficient synthesis of polycyclic fused pyrrolizidines via azomethine ylides. *Organic and Biomolecular Chemistry*, **2019**, 17, 1773-1777 3.9 9
- 35 Nucleophilic substitution reactions promoted by oligoethylene glycols: a mechanistic study of ion-pair SN2 processes facilitated by Lewis base. *Journal of Physical Organic Chemistry*, **2013**, 26, 9-14 2.1 9
- 34 Access to Chiral GABA Analogues Bearing a Trifluoromethylated All-Carbon Quaternary Stereogenic Center through Water-Promoted Organocatalytic Michael Reactions. *Organic Letters*, **2019**, 21, 6715-6719 6.2 8
- 33 Diastereoselective diaza-Cope rearrangement reaction. *Chemical Communications*, **2008**, 1335-7 5.8 8
- 32 Osmylated macroporous resins: safe, highly efficient and recyclable catalysts for asymmetric aminohydroxylation of olefins. *Chemical Communications*, **2003**, 1312-1313 5.8 8
- 31 Synthesis and biology of 3'-N-acyl-N-debenzoylpaclitaxel analogues. *Bioorganic and Medicinal Chemistry*, **1999**, 7, 2115-9 3.4 8
- 30 Self-Association-Free and Recyclable, Dimeric Cinchona Alkaloid Organocatalysts for Methanolytic Desymmetrization of meso-Glutaric Anhydrides. *Bulletin of the Korean Chemical Society*, **2011**, 32, 3127-3129 1.3 8
- 29 Organocatalytic Enantioselective Cycloetherifications Using a Cooperative Cation-Binding Catalyst. *Organic Letters*, **2018**, 20, 5319-5322 6.2 7
- 28 An Overview of Cinchona Alkaloids in Chemistry 1-10 7
- 27 The reaction of cobaltocene with secondary phosphine oxides revisited. Trapping of an intermediate cobalt(I) complex. *Inorganic Chemistry*, **1989**, 28, 3845-3849 5.1 7

26	Novel 1,4-Diphosphanes with Imidazolidin-2-one Backbones as Chiral Ligands: Highly Enantioselective Rh-Catalyzed Hydrogenation of Enamides. <i>Angewandte Chemie</i> , 2002 , 114, 875-877	3.6	6
25	Polymer-supported oligoethylene glycols as heterogeneous multifunctional catalysts for nucleophilic substitution. <i>Tetrahedron</i> , 2013 , 69, 3577-3583	2.4	5
24	Chromatographic resolution of racemic α -halocarboxylic acids and O-substituted β -hydroxycarboxylic acids via diastereomeric N-acyloxazolidinones. <i>Journal of Chromatography A</i> , 1993 , 654, 303-308	4.5	5
23	Very Efficient Nucleophilic Aromatic Fluorination Reaction in Molten Salts: A Mechanistic Study. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 881-884	1.2	5
22	Ultrasound-Promoted Enantioselective Decarboxylative Protonation of β -Aminomalonate Hemiesters by Chiral Squaramides: A Practical Approach to Both Enantiomers of β -Amino Esters. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4562-4565	3.2	4
21	Organocatalytic regiospecific synthesis of 1H-indene-2-carbaldehyde derivatives: suppression of cycloolefin isomerisation by employing sterically demanding catalysts. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 1355-1362	3.9	4
20	Asymmetric Catalysis in Ionic Liquids: Easy Recycling of Catalyst and Improvement of Catalytic Performances. <i>ACS Symposium Series</i> , 2004 , 145-160	0.4	4
19	Asymmetric dihydroxylation of trans-cinnamates under high-pressure conditions: substantial increase of turnover number. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 1533-1535		4
18	Bio-inspired Water-Driven Catalytic Enantioselective Protonation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2552-2557	16.4	4
17	Highly stereoselective formation of optically pure 2,4-oxazolidinedione via diastereoselective dihydroxylation of (4S)-3-((E)-3?-substituted-2?-propenoyl)-4-isopropyl-2-oxazolidinone. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 871-872		3
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