

Ryoji Noyori

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Asymmetric Transfer Hydrogenation Catalyzed by Chiral Ruthenium Complexes. <i>Accounts of Chemical Research</i> , 1997, 30, 97-102.	7.6	2,199
2	Asymmetric Catalysis by Architectural and Functional Molecular Engineering: Practical Chemo- and Stereoselective Hydrogenation of Ketones. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 40-73.	7.2	1,760
3	BINAP: an efficient chiral element for asymmetric catalysis. <i>Accounts of Chemical Research</i> , 1990, 23, 345-350.	7.6	1,223
4	Enantioselective Addition of Organometallic Reagents to Carbonyl Compounds: Chirality Transfer, Multiplication, and Amplification. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 49-69.	4.4	1,176
5	Asymmetric Transfer Hydrogenation of Aromatic Ketones Catalyzed by Chiral Ruthenium(II) Complexes. <i>Journal of the American Chemical Society</i> , 1995, 117, 7562-7563.	6.6	1,173
6	Ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Ketones Using a Formic Acid-Triethylamine Mixture. <i>Journal of the American Chemical Society</i> , 1996, 118, 2521-2522.	6.6	1,064
7	The Catalyst Precursor, Catalyst, and Intermediate in the RuII-Promoted Asymmetric Hydrogen Transfer between Alcohols and Ketones. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 285-288.	4.4	996
8	Green oxidation with aqueous hydrogen peroxide. <i>Chemical Communications</i> , 2003, , 1977.	2.2	981
9	Homogeneous Hydrogenation of Carbon Dioxide. <i>Chemical Reviews</i> , 1995, 95, 259-272.	23.0	952
10	Metal-Ligand Bifunctional Catalysis: A Nonclassical Mechanism for Asymmetric Hydrogen Transfer between Alcohols and Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2001, 66, 7931-7944.	1.7	819
11	Homogeneous Catalysis in Supercritical Fluids. <i>Chemical Reviews</i> , 1999, 99, 475-494.	23.0	799
12	Asymmetric Transfer Hydrogenation of Imines. <i>Journal of the American Chemical Society</i> , 1996, 118, 4916-4917.	6.6	795
13	The Metal-Ligand Bifunctional Catalysis: A Theoretical Study on the Ruthenium(II)-Catalyzed Hydrogen Transfer between Alcohols and Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2000, 122, 1466-1478.	6.6	786
14	Asymmetric hydrogenation of .beta.-keto carboxylic esters. A practical, purely chemical access to .beta.-hydroxy esters in high enantiomeric purity. <i>Journal of the American Chemical Society</i> , 1987, 109, 5856-5858.	6.6	728
15	A "Green" Route to Adipic Acid: Direct Oxidation of Cyclohexenes with 30% Hydrogen Peroxide. , 1998, 281, 1646-1647.		707
16	Practical Enantioselective Hydrogenation of Aromatic Ketones. <i>Journal of the American Chemical Society</i> , 1995, 117, 2675-2676.	6.6	678
17	Homogeneous catalytic hydrogenation of supercritical carbon dioxide. <i>Nature</i> , 1994, 368, 231-233.	13.7	676
18	Asymmetric Transfer Hydrogenation of α,β -Acetylenic Ketones. <i>Journal of the American Chemical Society</i> , 1997, 119, 8738-8739.	6.6	676

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19	Bifunctional transition metal-based molecular catalysts for asymmetric syntheses. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 393-406.	1.5	626
20	Mechanism of Asymmetric Hydrogenation of Ketones Catalyzed by BINAP/1,2-Diamine π Ruthenium(II) Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 13490-13503.	6.6	597
21	Homogeneous Catalysis in Supercritical Fluids: π Hydrogenation of Supercritical Carbon Dioxide to Formic Acid, Alkyl Formates, and Formamides. <i>Journal of the American Chemical Society</i> , 1996, 118, 344-355.	6.6	589
22	trans-[RuCl ₂ (phosphane) ₂ (1,2-diamine)] and Chiraltrans-[RuCl ₂ (diphosphane)(1,2-diamine)]: Shelf-Stable Precatalysts for the Rapid, Productive, and Stereoselective Hydrogenation of Ketones. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1703-1707.	7.2	576
23	Stereoselective Organic Synthesis via Dynamic Kinetic Resolution. <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 36-55.	2.0	523
24	Asymmetric Hydrogenation of Alkenyl, Cyclopropyl, and Aryl Ketones. RuCl ₂ (xylbinap)(1,2-diamine) as a Precatalyst Exhibiting a Wide Scope. <i>Journal of the American Chemical Society</i> , 1998, 120, 13529-13530.	6.6	403
25	Oxidation of sulfides to sulfoxides and sulfones with 30% hydrogen peroxide under organic solvent- and halogen-free conditions. <i>Tetrahedron</i> , 2001, 57, 2469-2476.	1.0	399
26	Asymmetric Catalysis: Science and Opportunities (Nobel Lecture 2001). <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 15-32.	2.1	385
27	CH π Attraction: The Origin of Enantioselectivity in Transfer Hydrogenation of Aromatic Carbonyl Compounds Catalyzed by Chiral π -6-Arene-Ruthenium(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2818-2821.	7.2	372
28	Preferential hydrogenation of aldehydes and ketones.. <i>Journal of the American Chemical Society</i> , 1995, 117, 10417-10418.	6.6	371
29	The Hydrogenation/Transfer Hydrogenation Network: π Asymmetric Hydrogenation of Ketones with Chiral π -6-Arene/N-Tosylethylenediamine π Ruthenium(II) Catalysts. <i>Journal of the American Chemical Society</i> , 2006, 128, 8724-8725.	6.6	365
30	Kinetic Resolution of Racemic Secondary Alcohols by RuII-Catalyzed Hydrogen Transfer. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 288-290.	4.4	351
31	A Ruthenium(II) Complex with a C ₂ -Symmetric Diphosphine/Diamine Tetradentate Ligand for Asymmetric Transfer Hydrogenation of Aromatic Ketones π . <i>Organometallics</i> , 1996, 15, 1087-1089.	1.1	348
32	New Chiral Rhodium and Iridium Complexes with Chiral Diamine Ligands for Asymmetric Transfer Hydrogenation of Aromatic Ketones. <i>Journal of Organic Chemistry</i> , 1999, 64, 2186-2187.	1.7	348
33	Asymmetric hydrogenation of unsaturated carboxylic acids catalyzed by BINAP-ruthenium(II) complexes. <i>Journal of Organic Chemistry</i> , 1987, 52, 3174-3176.	1.7	339
34	trans-RuH(π -1-BH ₄)(binap)(1,2-diamine): π A Catalyst for Asymmetric Hydrogenation of Simple Ketones under Base-Free Conditions. <i>Journal of the American Chemical Society</i> , 2002, 124, 6508-6509.	6.6	316
35	A Practical Method for Epoxidation of Terminal Olefins with 30% Hydrogen Peroxide under Halide-Free Conditions. <i>Journal of Organic Chemistry</i> , 1996, 61, 8310-8311.	1.7	307
36	Amino alcohol effects on the ruthenium(II)-catalysed asymmetric transfer hydrogenation of ketones in propan-2-ol. <i>Chemical Communications</i> , 1996, , 233.	2.2	306

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37	Organic Solvent- and Halide-Free Oxidation of Alcohols with Aqueous Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 1997, 119, 12386-12387.	6.6	289
38	Enantioselektive Addition von Organometallreagentien an Carbonylverbindungen: Übertragung, Vervielfältigung und Verstärkung der Chiralität. <i>Angewandte Chemie</i> , 1991, 103, 34-55.	1.6	276
39	Asymmetric Catalysis Special Feature Part I: Toward efficient asymmetric hydrogenation: Architectural and functional engineering of chiral molecular catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5356-5362.	3.3	262
40	Katalysatorvorstufe, Katalysator und Zwischenstufe des Ru ^{II} -katalysierten, asymmetrischen Wasserstofftransfers zwischen Alkoholen und Ketonen. <i>Angewandte Chemie</i> , 1997, 109, 297-300.	1.6	248
41	Catalytic Production of Dimethylformamide from Supercritical Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 1994, 116, 8851-8852.	6.6	234
42	Prostaglandin Syntheses by Three-Component Coupling. <i>New Synthetic Methods</i> (49). <i>Angewandte Chemie International Edition in English</i> , 1984, 23, 847-876.	4.4	231
43	Conformationally Flexible Biphenyl-phosphane Ligands for Ru-Catalyzed Enantioselective Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 495-497.	7.2	231
44	Quantitative Analysis of the Chiral Amplification in the Amino Alcohol-Promoted Asymmetric Alkylation of Aldehydes with Dialkylzincs. <i>Journal of the American Chemical Society</i> , 1998, 120, 9800-9809.	6.6	222
45	Asymmetric Activation of Racemic Ruthenium(II) Complexes for Enantioselective Hydrogenation. <i>Journal of the American Chemical Society</i> , 1998, 120, 1086-1087.	6.6	205
46	A Halide-Free Method for Olefin Epoxidation with 30% Hydrogen Peroxide. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 905-915.	2.0	196
47	A Practical Stereoselective Synthesis of Chiral Hydrobenzoin via Asymmetric Transfer Hydrogenation of Benzils. <i>Organic Letters</i> , 1999, 1, 1119-1121.	2.4	193
48	Enantioselective synthesis of β -amino acids based on BINAP-ruthenium(II) catalyzed hydrogenation. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 543-554.	1.8	188
49	Selective Hydrogenation of Benzophenones to Benzhydrols. <i>Asymmetric Synthesis of Unsymmetrical Diarylmethanols</i> . <i>Organic Letters</i> , 2000, 2, 659-662.	2.4	187
50	Synthesizing our future. <i>Nature Chemistry</i> , 2009, 1, 5-6.	6.6	179
51	Pursuing practical elegance in chemical synthesis. <i>Chemical Communications</i> , 2005, , 1807.	2.2	176
52	General Asymmetric Hydrogenation of Hetero-aromatic Ketones. <i>Organic Letters</i> , 2000, 2, 1749-1751.	2.4	172
53	Mechanism of Asymmetric Hydrogenation of Acetophenone Catalyzed by Chiral β -Arene-N-Tosylethylenediamine-Ruthenium(II) Complexes. <i>Chemistry - an Asian Journal</i> , 2006, 1, 102-110.	1.7	155
54	Asymmetric Hydrogenation. , 2005, , 1-110.		146

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55	Stereoselective Hydrogenation of Simple Ketones Catalyzed by Ruthenium(II) Complexes. <i>Journal of Organic Chemistry</i> , 1996, 61, 4872-4873.	1.7	145
56	Asymmetric hydrogenation of $\hat{1}\pm, \hat{1}^2$ -unsaturated carboxylic acids in supercritical carbon dioxide. <i>Tetrahedron Letters</i> , 1996, 37, 2813-2816.	0.7	137
57	Hydrogen peroxide oxidation of aldehydes to carboxylic acids: an organic solvent-, halide- and metal-free procedure. <i>Tetrahedron Letters</i> , 2000, 41, 1439-1442.	0.7	126
58	Mechanism of Asymmetric Hydrogenation of $\hat{1}\pm$ -(Acylamino)acrylic Esters Catalyzed by BINAP $\hat{1}$ -Ruthenium(II) Diacetate. <i>Journal of the American Chemical Society</i> , 2002, 124, 6649-6667.	6.6	119
59	Asymmetric Hydrogenation of Ketones with Polymer-Bound BINAP/Diamine Ruthenium Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 369-375.	2.1	117
60	Practical Synthesis of Optically Active Styrene Oxides via Reductive Transformation of 2-Chloroacetophenones with Chiral Rhodium Catalysts. <i>Organic Letters</i> , 2002, 4, 4373-4376.	2.4	116
61	An organozinc aid in alkylation and acylation of lithium enolates. <i>Journal of Organic Chemistry</i> , 1989, 54, 1785-1787.	1.7	112
62	Asymmetric Transfer Hydrogenation of Benzaldehydes. <i>Organic Letters</i> , 2000, 2, 3425-3427.	2.4	110
63	BINAP/1,4-Diamine $\hat{1}$ -Ruthenium(II) Complexes for Efficient Asymmetric Hydrogenation of 1-Tetralones and Analogues. <i>Organic Letters</i> , 2004, 6, 2681-2683.	2.4	108
64	Asymmetric hydrogenation via architectural and functional molecular engineering. <i>Pure and Applied Chemistry</i> , 2001, 73, 227-232.	0.9	104
65	Asymmetric catalysis: science and opportunities (Nobel lecture). <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2008-22.	7.2	104
66	A Practical Method for Alcohol Oxidation with Aqueous Hydrogen Peroxide under Organic Solvent- and Halide-Free Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 2287-2306.	2.0	101
67	Asymmetric Catalysis by Architectural and Functional Molecular Engineering: Practical Chemo- and Stereoselective Hydrogenation of Ketones. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 40-73.	7.2	92
68	Asymmetric addition of dialkylzincs to benzaldehyde derivatives catalyzed by chiral $\hat{1}^2$ -amino alcohols. Evidence for the monomeric alkylzinc aminoalkoxide as catalyst. <i>Tetrahedron</i> , 1999, 55, 3605-3614.	1.0	91
69	Metal $\hat{1}$ -ligand bifunctional catalysis for asymmetric hydrogenation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 901-912.	1.6	91
70	Organometallic ways for the multiplication of chirality. <i>Tetrahedron</i> , 1994, 50, 4259-4292.	1.0	88
71	Homochiral and Heterochiral Dimers of the Methylzinc Alkoxide Formed from Dimethylzinc and Enantiomeric 3 $\hat{1}$ -exo $\hat{1}$ -(Dimethylamino)isoborneol $\hat{1}$ ”Origin of the Distinct Differences in Solution $\hat{1}$ -Phase Behavior and Crystal Structures. <i>Chemistry - A European Journal</i> , 1996, 2, 1173-1181.	1.7	83
72	Prostaglandin $\hat{1}$ -Synthesen durch Dreikomponenten $\hat{1}$ -Kupplung. <i>Angewandte Chemie</i> , 1984, 96, 854-882.	1.6	79

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73	1,4-Addition of Diorganozincs to α,β -Unsaturated Ketones Catalyzed by a Copper(I)-Sulfonamide Combined System. Bulletin of the Chemical Society of Japan, 2000, 73, 999-1014.	2.0	79
74	Asymmetric Activation/Deactivation of Racemic Ru Catalysts for Highly Enantioselective Hydrogenation of Ketonic Substrates. Angewandte Chemie - International Edition, 2000, 39, 3707-3710.	7.2	71
75	The Hydrogenation/Transfer Hydrogenation Network in Asymmetric Reduction of Ketones Catalyzed by $[RuCl_2(binaP)(pica)]$ Complexes. Chemistry - an Asian Journal, 2008, 3, 1801-1810.	1.7	65
76	Highly Active and Selective Semihydrogenation of Alkynes with the Palladium Nanoparticles α -Tetrabutylammonium Borohydride Catalyst System. Advanced Synthesis and Catalysis, 2009, 351, 3143-3149.	2.1	65
77	Selectivity for Hydrogenation or Hydroformylation of Olefins by Hydridopentacarbonylmanganese(I) in Supercritical Carbon Dioxide. Organometallics, 1995, 14, 1510-1513.	1.1	64
78	Kinetische Racematspaltung sekundärer Alkohole durch Ruthenium(α)-katalysierte Transferhydrierung. Angewandte Chemie, 1997, 109, 300-303.	1.6	64
79	Self and nonself recognition of chiral catalysts: The origin of nonlinear effects in the amino-alcohol catalyzed asymmetric addition of diorganozincs to aldehydes. Chemical Record, 2001, 1, 85-100.	2.9	57
80	Facts are the Enemy of Truth—Reflections on Serendipitous Discovery and Unforeseen Developments in Asymmetric Catalysis. Angewandte Chemie - International Edition, 2013, 52, 79-92.	7.2	55
81	Synthesis of a ^{11}C -labelled prostaglandin $F_{2\alpha}$ analogue using an improved method for stille reactions with $[^{11}C]$ methyl iodide. Journal of Labelled Compounds and Radiopharmaceuticals, 2000, 43, 1327-1334.	0.5	53
82	Rational Design of Antitumor Prostaglandins with High Biological Stability. Journal of Medicinal Chemistry, 1998, 41, 3084-3090.	2.9	51
83	Asymmetric Transfer Hydrogenation Catalyzed by Diamine - Iridium(I) Complexes. Chemistry Letters, 1997, 26, 957-958.	0.7	46
84	(15R)-16-m-Tolyl-17,18,19,20-tetranorisocarbacyclin: A Stable Ligand with High Binding Affinity and Selectivity for a Prostacyclin Receptor in the Central Nervous System. Angewandte Chemie International Edition in English, 1996, 35, 334-336.	4.4	43
85	CNS-specific prostacyclin ligands as neuronal survival-promoting factors in the brain. European Journal of Neuroscience, 1999, 11, 3115-3124.	1.2	42
86	Efficient synthesis of optically active 2-amino-2'-diphenylphosphino-1,1'-binaphthyl and its derivatives. Canadian Journal of Chemistry, 2000, 78, 697-703.	0.6	41
87	Anti-cancer-prostaglandin-induced cell-cycle arrest and its modulation by an inhibitor of the ATP-dependent glutathione S-conjugate export pump (GS-X pump). Biochemical Journal, 1998, 336, 569-576.	1.7	38
88	Chiral α -Arene- β -N-Tosylethylenediamine-Ruthenium(II) Complexes: Solution Behavior and Catalytic Activity for Asymmetric Hydrogenation. Chemistry - an Asian Journal, 2010, 5, 806-816.	1.7	36
89	Asymmetric synthesis of β -hydroxy sulfonic acids by BINAP/Ru-catalyzed hydrogenation. Tetrahedron, 1999, 55, 8769-8785.	1.0	34
90	An Efficient Diphosphine/Hybrid α -Amine Combination for Ruthenium(II)-Catalyzed Asymmetric Hydrogenation of Aryl Ketones. Advanced Synthesis and Catalysis, 2011, 353, 495-500.	2.1	34

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91	Catalytic Hydrogenation: A Core Technology in Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 1-1.	2.1	30
92	Why <i>p</i> -Cymene? Conformational Effect in Asymmetric Hydrogenation of Aromatic Ketones with a π -Arene/Ruthenium(II) Catalyst. <i>Chemistry - an Asian Journal</i> , 2015, 10, 112-115.	1.7	29
93	NH π Attraction: A Role in Asymmetric Hydrogenation of Aromatic Ketones with Binap/1,2-Diamine-Ruthenium(II) Complexes. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1221-1224.	1.7	27
94	Reduction of CX to CHXH by Chirally Modified Hydride Reagents. , 1991, , 159-182.		21
95	Induction of MRP/GS-X pump and cellular resistance to anticancer prostaglandins. <i>Cytotechnology</i> , 1996, 19, 221-227.	0.7	20
96	Ethical Conduct in Chemical Research and Publishing. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3-9.	2.1	20
97	IRON CARBONYLS IN ORGANIC SYNTHESIS. <i>Annals of the New York Academy of Sciences</i> , 1977, 295, 225-238.	1.8	17
98	Pressure-dependent enantioselectivity in the organozinc addition to aldehydes in supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2002, 24, 161-172.	1.6	16
99	Catalytic Asymmetric Synthesis.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1992, 50, 1131-1139.	0.0	16
100	Electrochemical Removal of Allylic Protecting Groups in Nucleotide Synthesis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1998, 17, 441-449.	0.4	11
101	Synthesis of C-Nucleosides Starting from Non-Carbohydrate Precursors.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1980, 38, 947-966.	0.0	10
102	Ligand Design for Catalytic Asymmetric Reduction. , 0, , 1-32.		9
103	Synthesis of C-Nucleosides. Using the Naturally Occurring Derivatives and Sugars.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1980, 38, 862-879.	0.0	9
104	Antiviral Effects of 2',5'-Oligoadenylates (2'5As), and Related Compounds. <i>Microbiology and Immunology</i> , 1990, 34, 737-747.	0.7	8
105	(1 <i>S</i>)-1-(2,3,4,5-tetrahydroisoquinolin-2-yl)propan-1-ol: ein stabiler, hochselektiver Ligand mit hoher Bindungsaffinität für einen Prostacyclin-Rezeptor im zentralen Nervensystem. <i>Angewandte Chemie</i> , 1996, 108, 366-369.	1.6	8
106	Conformational Study on 2-Acyl-1-alkylidene-1,2,3,4-tetrahydroisoquinolines. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 1695-1700.	2.0	6
107	Enantioselective Hydrogenation of Simple Ketones.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1996, 54, 553-563.	0.0	5
108	Allyl Protection in the Synthesis of Oligodeoxyribonucleotide Phosphorothioates. <i>Nucleosides & Nucleotides</i> , 1994, 13, 1337-1345.	0.5	4

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109	Recent Progress in Organic Synthesis Using Iron Carbonyl Complexes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1977, 35, 615-631.	0.0	4
110	Mutual recognition of enantiomers.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1990, 48, 447-456.	0.0	4
111	Stereochemistry of Reactions Involving Transition Metal Complexes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1974, 32, 2-19.	0.0	3
112	Organocopper Reagents. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1976, 34, 675-678.	0.0	3
113	Effect of configuration of the branching terminal group on the stability of antiferroelectric liquid crystals. Ferroelectrics, 1996, 178, 287-296.	0.3	1
114	Palladium-Catalyzed Rearrangements of Oxygen Functions. , 0, , 2939-2954.		1
115	Substituent effects on conformational preference in α -substituted α -fluorophenylacetic acid methyl ester model systems for chiral derivatizing agents. Journal of Physical Organic Chemistry, 2009, 22, 903-912.	0.9	1
116	Toward the Highly Selective Organic Synthesis Transition Metal Catalyzed Asymmetric Reactions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1981, 39, 522-534.	0.0	1
117	Advances in Organic Synthesis Promoted by Transition Metal Complexes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1982, 40, 1013-1026.	0.0	1
118	Chapter IV.2 New Chiral Rh(I) and Ru(II) Complexes: Highly Efficient Catalysts for Homogeneous Asymmetric Hydrogenation. Studies in Surface Science and Catalysis, 1990, , 322-339.	1.5	0
119	Professor Armin de Meijere, Practical Elegance in Organic Chemistry. Advanced Synthesis and Catalysis, 2009, 351, 961-962.	2.1	0