

Shun-Ichi Murahashi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

228
papers

10,395
citations

52
h-index

94
g-index

277
ext. papers

11,243
ext. citations

5.3
avg, IF

6.12
L-index

#	Paper	IF	Citations
228	Transition Metal-Catalyzed C-H Oxidation of Saturated Hydrocarbons with Molecular Oxygen. <i>Chemical Record</i> , 2021 , 21, 1928-1940	6.6	2
227	Synthesis and Transformations of Nitrones for Organic Synthesis. <i>Chemical Reviews</i> , 2019 , 119, 4684-4716	16.1	109
226	Anion effect of 5-ethylisoalloxazinium salts on flavin-catalyzed oxidations with H ₂ O ₂ . <i>Tetrahedron Letters</i> , 2016 , 57, 4488-4491	2	9
225	Flavin-catalyzed aerobic oxidation of sulfides and thiols with formic acid/triethylamine. <i>Chemical Communications</i> , 2014 , 50, 10295-8	5.8	47
224	Organocatalytic reactions of trifluoromethylated esters with terminal alkenes at room temperature. <i>Journal of Organic Chemistry</i> , 2013 , 78, 12525-31	4.2	16
223	Oxidation of primary amines to oximes with molecular oxygen using 1,1-diphenyl-2-picrylhydrazyl and WO ₃ /Al ₂ O ₃ as catalysts. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2301-10	4.2	38
222	Copper-catalyzed aerobic oxidative functionalization of C-H bonds of alkanes in the presence of acetaldehyde under mild conditions. <i>Tetrahedron Letters</i> , 2013 , 54, 2706-2709	2	11
221	Dichlorotrakis(triphenylphosphine)ruthenium(II) 2011 ,		1
220	Development of biomimetic catalytic oxidation methods and non-salt methods using transition metal-based acid and base ambiphilic catalysts. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2011 , 87, 242-53	4	8
219	Ruthenium-Catalyzed Oxidative Dearomatization of Phenols to 4-(tert-Butylperoxy)cyclohexadienones: Synthesis of 2-Substituted Quinones from p-Substituted Phenols. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5355-5365	3.2	18
218	Ruthenium-Catalyzed Oxidation for Organic Synthesis 2010 , 241-275		7
217	Synthesis of 2-substituted quinones, vitamin K ₃ , and vitamin K ₁ from p-cresol. BF ₃ ·OEt ₂ -catalyzed methyl migration of 4-tert-butylidioxycyclohexadienones. <i>Tetrahedron Letters</i> , 2010 , 51, 2339-2341	2	15
216	Ruthenium-Catalyzed Regioselective Reactions of Nitriles and 1,3-Dicarbonyl Compounds with Terminal Alkynes <i>Synlett</i> , 2009 , 2009, 3355-3359	2.2	10
215	Iridium-Catalyzed Reactions of Trifluoromethylated Compounds with Alkenes: A C-H Bond Activation to the Trifluoromethyl Group. <i>Angewandte Chemie</i> , 2009 , 121, 2081-2083	3.6	8
214	Iridium-Catalyzed Reactions of Trifluoromethylated Compounds with Alkenes: A C-H Bond Activation to the Trifluoromethyl Group. <i>Angewandte Chemie</i> , 2009 , 121, 4535-4535	3.6	
213	Iridium-catalyzed reactions of trifluoromethylated compounds with alkenes: a C(sp ³)-H bond activation alpha to the trifluoromethyl group. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2047-9	16.4	30
212	Iridium-Catalyzed Reactions of Trifluoromethylated Compounds with Alkenes: A C-H Bond Activation to the Trifluoromethyl Group. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4467-9	16.4	

211	Rhenium-catalyzed addition of carbonyl compounds to the carbon-nitrogen triple bonds of nitriles: alpha-C-H activation of carbonyl compounds. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10824-5	16.4	40
210	Ruthenium catalyzed biomimetic oxidation in organic synthesis inspired by cytochrome P-450. <i>Chemical Society Reviews</i> , 2008 , 37, 1490-501	58.5	379
209	Ruthenium-catalyzed oxidative cyanation of tertiary amines with molecular oxygen or hydrogen peroxide and sodium cyanide: sp ³ C-H bond activation and carbon-carbon bond formation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11005-12	16.4	314
208	Switchable C- and N-bound isomers of transition-metal cyanocarbanions: synthesis and interconversions of cyclopentadienyl ruthenium complexes of phenylsulfonylacetonitrile anions. <i>Chemistry - A European Journal</i> , 2008 , 14, 2482-98	4.8	16
207	Aerobic oxidation of primary amines to oximes catalyzed by DPPH and WO ₃ /Al ₂ O ₃ . <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2079-81	16.4	47
206	Aerobic Oxidation of Primary Amines to Oximes Catalyzed by DPPH and WO ₃ /Al ₂ O ₃ . <i>Angewandte Chemie</i> , 2008 , 120, 2109-2111	3.6	7
205	Development of Ruthenium Catalyzed Oxidation Reactions Inspired by Cytochrome P-450. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2007 , 65, 2-13	0.2	2
204	Aerobic Ruthenium-Catalyzed Oxidative Transformation of Secondary Amines to Imines. <i>Synlett</i> , 2007 , 2007, 1675-1678	2.2	108
203	Oxidation of olefins catalyzed by new binaphthyl-ruthenium(III) complexes. <i>Arkivoc</i> , 2007 , 2007, 107-120	0.9	7
202	Flavin-catalyzed oxidation of amines and sulfides with molecular oxygen: biomimetic green oxidation. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 136-47	4.5	63
201	Ruthenium-Catalyzed Reactions with CO and CO ₂ 2005 , 277-307		3
200	Palladium-catalyzed asymmetric amination and imidation of 2,3-allenyl phosphates. <i>Organic Letters</i> , 2005 , 7, 5837-9	6.2	65
199	Oxidation Reactions 2005 , 53-93		2
198	Ruthenium-Catalyzed Olefin Metathesis 2005 , 153-177		17
197	Ruthenium-Catalyzed Cyclopropanation 2005 , 179-187		1
196	Isomerization of Organic Substrates Catalyzed by Ruthenium Complexes 2005 , 309-331		4
195	Ruthenium-Catalyzed Bond Cleavage Reactions 2005 , 345-366		1
194	Ruthenium Lewis Acid-Catalyzed Reactions 2005 , 257-276		2

193	Ruthenium-Promoted Radical Reactions 2005 , 333-343		1
192	Ruthenium-Catalyzed Oxidation of Alkenes, Alcohols, Amines, Amides, Lactams, Phenols, and Hydrocarbons 2005 , 165-191		3
191	Carbon-Carbon Bond Formations via Ruthenacycle Intermediates 2005 , 95-128		1
190	Carbon-Carbon Bond Formation via Allylruthenium Intermediates 2005 , 129-151		3
189	Nucleophilic Additions to Alkynes and Reactions via Vinylidene Intermediates 2005 , 189-217		4
188	Ruthenium-Catalyzed Reactions via sp ² C-H, sp ² C-H, sp ³ C-H, and C-Halogen Bond Activations 2005 , 219-255		5
187	Manganese-catalyzed enantioselective oxidation of C-H bonds of alkanes and silyl ethers to optically active ketones. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 3527-3535		35
186	An aerobic, organocatalytic, and chemoselective method for Baeyer-Villiger oxidation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1704-6	16.4	132
185	Ruthenium-catalyzed oxidative cyanation of tertiary amines with hydrogen peroxide and sodium cyanide. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6931-3	16.4	223
184	An Aerobic, Organocatalytic, and Chemoselective Method for Baeyer-Villiger Oxidation. <i>Angewandte Chemie</i> , 2005 , 117, 1732-1734	3.6	41
183	Ruthenium-Catalyzed Oxidative Cyanation of Tertiary Amines with Hydrogen Peroxide and Sodium Cyanide. <i>Angewandte Chemie</i> , 2005 , 117, 7091-7093	3.6	69
182	Hydrogenation and Transfer Hydrogenation 2005 , 3-52		23
181	Manganese-Catalyzed Oxidative Transformation of Silyl Ethers to Ketones: Enantioselective Synthesis of Optically Active α - and β -Siloxyketones. <i>Synlett</i> , 2004 , 2004, 1739-1742	2.2	10
180	Catalytic Enantioselective Oxidation of Alkanes and Alkenes Using (Salen)Manganese Complexes Bearing a Chiral Binaphthyl Strapping Unit. <i>Advanced Synthesis and Catalysis</i> , 2004 , 346, 195-198	5.6	47
179	Chlorinated Phthalocyanine Iron(II) Complex Catalyzed Oxidation of Alkanes and Alkenes with Molecular Oxygen in the Presence of Acetaldehyde. <i>Synlett</i> , 2003 , 2003, 0321-0324	2.2	23
178	Transition-Metal-Based Lewis Acid and Base Ambiphilic Catalysts of Iridium Hydride Complexes: Multicomponent Synthesis of Glutarimides. <i>Angewandte Chemie</i> , 2003 , 115, 3424-3426	3.6	23
177	The Heck Reaction in the Presence of Molecular Oxygen.. <i>ChemInform</i> , 2003 , 34, no		1
176	Chlorinated Phthalocyanine Iron(II) Complex Catalyzed Oxidation of Alkanes and Alkenes with Molecular Oxygen in the Presence of Acetaldehyde.. <i>ChemInform</i> , 2003 , 34, no		1

175	Transition-metal-based Lewis acid and base ambiphilic catalysts of iridium hydride complexes: multicomponent synthesis of glutarimides. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3302-4	16.4	65
174	Flavin catalyzed oxidations of sulfides and amines with molecular oxygen. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2868-9	16.4	172
173	Aerobic ruthenium-catalyzed oxidative cyanation of tertiary amines with sodium cyanide. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15312-3	16.4	417
172	Asymmetric Baeyer-Villiger Reaction with Hydrogen Peroxide Catalyzed by a Novel Planar-Chiral Bisflavin. <i>Angewandte Chemie</i> , 2002 , 114, 2472-2474	3.6	56
171	Asymmetric baeyer-villiger reaction with hydrogen peroxide catalyzed by a novel planar-chiral bisflavin. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2366-8	16.4	161
170	Palladium-catalyzed cross-coupling reaction of organic halides with Grignard reagents, organolithium compounds and heteroatom nucleophiles. <i>Journal of Organometallic Chemistry</i> , 2002 , 653, 27-33	2.3	78
169	The Heck reaction in the presence of molecular oxygen. <i>Tetrahedron Letters</i> , 2002 , 43, 9323-9325	2	19
168	Ruthenium catalysis in organic synthesis. <i>Pure and Applied Chemistry</i> , 2002 , 74, 19-24	2.1	58
167	Palladium-Catalyzed Asymmetric Alkylation of 2,3-Alkadienyl Phosphates. Synthesis of Optically Active 2-(2,3-Alkadienyl)malonates. <i>Chemistry Letters</i> , 2002 , 31, 140-141	1.7	71
166	Enantioselective addition of ketene silyl acetals to nitrones catalyzed by chiral titanium complexes. Synthesis of optically active beta-amino acids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2888-9	16.4	74
165	Mechanism of the interconversions between C- and N-bound transition metal alpha-cyanocarbanions. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6842-3	16.4	26
164	Synthesis of 4-demethoxyadriamycinone utilizing ruthenium-catalyzed oxidation of allyl acetates. <i>Tetrahedron Letters</i> , 2001 , 42, 3343-3346	2	17
163	Activation of C-H Bonds to Nitriles for Combinatorial Chemistry: Ruthenium-Catalyzed Aldol and Michael Reactions of Polymer-Supported Nitriles. <i>Synlett</i> , 2001 , 2001, 0991-0994	2.2	15
162	Copper complexes for catalytic, aerobic oxidation of hydrocarbons. <i>Pure and Applied Chemistry</i> , 2001 , 73, 311-314	2.1	41
161	Carbon-carbon bond forming reactions of N-bound transition metal cyanocarbanions: a mechanistic probe for catalytic Michael reactions of nitriles. <i>Chemical Communications</i> , 2001 , 63-64	5.8	21
160	Ruthenium-catalysed oxidation of alkanes with peracetic acid in trifluoroacetic acid: ruthenium as an efficient catalyst for the oxidation of unactivated C-H bonds. <i>Chemical Communications</i> , 2001 , 65-66	5.8	31
159	Rhodium complex-catalyzed reaction of isonitriles with carbonyl compounds: catalytic synthesis of pyrroles. <i>Organic Letters</i> , 2001 , 3, 421-4	6.2	82
158	Asymmetric Synthesis of β -Amino Acids by Addition of Chiral Enolates to Nitrones via N-Acyloxyiminium Ions. <i>Bulletin of the Chemical Society of Japan</i> , 2000 , 73, 2423-2444	5.1	27

- 157 Synthesis of Homochiral β -Sulfinyl Nitrones and Their Application for Enantioselective Synthesis of (+)-Euphococcinine. *Heterocycles*, **2000**, 52, 557 0.8 13
- 156 Ruthenium-catalyzed glycine-selective oxidative backbone modification of peptides. *Tetrahedron Letters*, **2000**, 41, 10245-10249 2 21
- 155 Bioinspired Oxidations Catalyzed by Ruthenium Complexes **2000**, 563-611 16
- 154 Ruthenium-catalyzed oxidation of alkanes with tert-butyl hydroperoxide and peracetic acid. *Journal of Organic Chemistry*, **2000**, 65, 9186-93 4.2 112
- 153 Low-valent ruthenium and iridium hydride complexes as alternatives to Lewis acid and base catalysts. *Accounts of Chemical Research*, **2000**, 33, 225-33 24.3 179
- 152 Synthesis of optically active N-hydroxylamines by asymmetric hydrogenation of nitrones with iridium catalysts. *Chemical Communications*, **2000**, 409-410 5.8 13
- 151 Synthesis and Characterization of C- and N-Bound Isomers of Transition Metal β -Cyanocarbanions. *Journal of the American Chemical Society*, **2000**, 122, 2960-2961 16.4 34
- 150 Synthesis of (β -allyl)palladium complexes from cationic palladium(II) complexes and allylic alcohols. *Journal of Organometallic Chemistry*, **1999**, 574, 99-101 2.3 11
- 149 Highly Diastereoselective Addition of a Chiral Ketene Silyl Acetal to Nitrones: Asymmetric Synthesis of β -Amino Acids and Key Intermediates of β -Lactam Antibiotics. *Journal of Organic Chemistry*, **1999**, 64, 3790-3791 4.2 39
- 148 Asymmetric Synthesis of β -Amino Acids by Addition of Chiral Enolates to N-Acyloxyiminium Ions and Application for Synthesis of Optically Active 5-Substituted 8-Methylindolizidines. *Organic Letters*, **1999**, 1, 107-110 6.2 24
- 147 Regioselective Synthesis of Nitrones by Decarboxylative Oxidation of N-Alkyl β -Amino Acids and Application to the Synthesis of 1-Azabicyclic Alkaloids. *Bulletin of the Chemical Society of Japan*, **1999**, 72, 2737-2754 5.1 52
- 146 Reversal of Diastereoselectivity of the Reaction of Chiral Boron and Titanium Enolates with Nitrones via N-Acyloxyiminium Intermediates. Asymmetric Synthesis of Diastereomeric β -Substituted β -Amino Acids. *Chemistry Letters*, **1999**, 28, 795-796 1.7 10
- 145 Manganese catalyzed asymmetric oxidation of alkanes to optically active ketones bearing asymmetric center at the β -position. *Tetrahedron Letters*, **1998**, 39, 7921-7924 2 37
- 144 Palladium-Copper-DMF complexes involved in the oxidation of alkenes. *Journal of Organometallic Chemistry*, **1998**, 551, 387-389 2.3 58
- 143 Synthesis of (R)- and (S)-3-(tert-butyl dimethylsilyloxy)-1-pyrroline N-oxides β -chiral nitrones for synthesis of biologically active pyrrolidine derivative, Geissman-Waiss lactone. *Tetrahedron Letters*, **1998**, 39, 2765-2766 2 17
- 142 Ruthenium-Catalyzed Reactions for Organic Synthesis. *Chemical Reviews*, **1998**, 98, 2599-2660 68.1 859
- 141 Iridium Hydride Complex Catalyzed Addition of Nitriles to Carbon-Nitrogen Triple Bonds of Nitriles. *Journal of the American Chemical Society*, **1998**, 120, 4244-4245 16.4 52
- 140 Aerobic oxidation of alkanes and alkenes in the presence of aldehydes catalyzed by copper salts and copper-crown ether. *Journal of Molecular Catalysis A*, **1997**, 117, 21-37 87

139	Palladium-catalyzed asymmetric alkoxy carbonylation of allyl phosphates. <i>Tetrahedron Letters</i> , 1997 , 38, 8227-8230	2	21
138	Ruthenium-Catalyzed Oxidation of Phenols with Alkyl Hydroperoxides. A Novel, Facile Route to 2-Substituted Quinones. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2509-2510	16.4	72
137	A chiral amidophosphine bearing a P-N bond and its allyl palladium(II) chemistry. <i>Chemical Communications</i> , 1996 , 859-860	5.8	18
136	The First Isolation and Characterization of a Palladium-Copper Heterometallic Complex Bearing a μ -Oxo Atom Derived from Molecular Oxygen. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3990-3991	16.4	76
135	Palladium-Catalyzed Double and Single Carbonylations of Amino Alcohols. Selective Synthesis of Morpholine-2,3-diones and Oxazolidin-2-ones and Applications for Synthesis of α -Oxo Carboxylic Acids. <i>Bulletin of the Chemical Society of Japan</i> , 1996 , 69, 2079-2090	5.1	49
134	A New Way for Efficient Catalysis by Using Low Valent Ruthenium Complexes as Redox Lewis Acid and Base Catalysts. <i>Bulletin of the Chemical Society of Japan</i> , 1996 , 69, 1805-1824	5.1	69
133	Aerobic oxidation of alkanes in the presence of acetaldehyde catalysed by copper-crown ether. <i>Tetrahedron Letters</i> , 1996 , 37, 1633-1636	2	48
132	Metalloporphyrin-Catalyzed Oxidation of Alkanes with Molecular Oxygen in the Presence of Acetaldehyde. <i>Tetrahedron Letters</i> , 1995 , 36, 8059-8062	2	80
131	Recent Advances in Oxypalladation of Alkenes.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1995 , 53, 1009-1020	0.2	12
130	Ruthenium-Catalyzed Oxidation of Alcohols with Peracids. <i>Synlett</i> , 1995 , 1995, 733-734	2.2	27
129	Palladium(II)-catalyzed asymmetric acetalization of alkenes. <i>Journal of Organic Chemistry</i> , 1995 , 60, 6159-6167	4.1	50
128	Transition Metal-catalyzed Oxidations: Other Oxidations 1995 , 1177-1192		8
127	Ruthenium-catalyzed aldol and Michael reactions of nitriles. Carbon-carbon bond formation by α -C-H activation of nitriles.. <i>Journal of the American Chemical Society</i> , 1995 , 117, 12436-12451	16.4	155
126	Synthetische Aspekte metallkatalysierter Oxidationen von Aminen und verwandte Reaktionen. <i>Angewandte Chemie</i> , 1995 , 107, 2670-2693	3.6	104
125	Synthetic Aspects of Metal-Catalyzed Oxidations of Amines and Related Reactions. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2443-2465		448
124	Palladium-catalyzed Carbonylation of Allylamines. Synthesis of β -unsaturated amides by one-carbon homologation of Allylamines. <i>Tetrahedron</i> , 1994 , 50, 453-464	2.4	65
123	Ruthenium-catalyzed oxidation of alkanes with peracids. <i>Tetrahedron Letters</i> , 1994 , 35, 7953-7956	2	29
122	Elimination of β -palladium hydroxide in the Pd(II)-catalyzed reaction of methyl (β -hydroxymethyl)acrylate with alcohols. <i>Journal of Organometallic Chemistry</i> , 1994 , 470, 253-255	2.3	12

121	Tungstate-Catalyzed Decarboxylative Oxidation of N-Alkyl- α -amino Acids: An Efficient Method for Regioselective Synthesis of Nitrones. <i>Journal of Organic Chemistry</i> , 1994 , 59, 6170-6172	4.2	58
120	Copper(I)-Catalyzed Amination of Propargyl Esters. Selective Synthesis of Propargylamines, 1-Alken-3-ylamines, and (Z)-Allylamines. <i>Journal of Organic Chemistry</i> , 1994 , 59, 2282-2284	4.2	195
119	Preparation and characterisation of a palladium-copper heterometallic complex and its catalytic activity towards oxidation of alkenes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1433-1434		16
118	Asymmetric hydrosilylation of nitrones using ruthenium(II) phosphine complex catalysts; syntheses of optically active N,N-disubstituted hydroxylamines and secondary amines. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 725		23
117	Ruthenium complex catalysed condensation of nitriles with alcohols. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1359		17
116	Titanium(III)-Induced Transformation of Hydroxylamines to Imines or Secondary Amines. <i>Bulletin of the Chemical Society of Japan</i> , 1994 , 67, 2542-2549	5.1	17
115	Aerobic oxidations of alkanes and alkenes in the presence of aldehydes catalysed by copper salts. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 139		81
114	Palladium(II)-catalysed asymmetric acetalization of alkenes. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 117		13
113	Ruthenium-Catalyzed Oxidations for Selective Syntheses of Ketones and Acyl Cyanides. Selective Acylation of Amino Compounds with Acyl Cyanides. <i>Synthesis</i> , 1993 , 1993, 433-440	2.9	43
112	Osmium-Catalyzed Oxidative Transformation of Alkenes to β -Ketols with Peracetic Acid. <i>Chemistry Letters</i> , 1993 , 22, 1767-1770	1.7	27
111	Aza- and oxacarbonylations of allyl phosphates catalyzed by rhodium carbonyl cluster. Selective synthesis of α,β -unsaturated amides, esters, and acids. <i>Journal of Organometallic Chemistry</i> , 1993 , 451, 183-194	2.3	14
110	Ruthenium-catalyzed hydration of nitriles and transformation of β -ketonitriles to ene-lactams: total synthesis of (\pm)-pumiliotoxin C. <i>Tetrahedron</i> , 1993 , 49, 8805-8826	2.4	77
109	Selenium- and palladium-catalyzed oxidative cleavage of ene-lactams with hydrogen peroxide. Convenient methods for synthesis of macrocyclic ketoimides and N-fused azabicyclic compounds. <i>Tetrahedron Letters</i> , 1993 , 34, 4843-4846	2	9
108	The reaction of nitrones with (R)-(+)-methyl p-tolyl sulfoxide anion; asymmetric synthesis of optically active secondary amines. <i>Tetrahedron Letters</i> , 1993 , 34, 2645-2648	2	34
107	Ruthenium-catalyzed cytochrome P-450 type oxidation of alkanes with alkyl hydroperoxides. <i>Tetrahedron Letters</i> , 1993 , 34, 1299-1302	2	87
106	Palladium(II)-Catalyzed Acetalization of Allylic Acetates and Its Utilization for the Synthesis of 2-Cyanovinyl Ketones. <i>Synthesis</i> , 1992 , 1992, 558-561	2.9	26
105	Convenient Method for the Construction of Quinoline Skeletons from N-Methylarylamines via N-(t-Butyldioxymethyl)arylamines. <i>Synlett</i> , 1992 , 1992, 835-836	2.2	13
104	Ruthenium-Catalyzed Oxidation of Cyclic Acetals with tert-Butyl Hydroperoxide. A Facile Synthesis of Glycol Monoesters. <i>Chemistry Letters</i> , 1992 , 21, 2237-2240	1.7	21

103	Synthesis of Oxygen-containing Heterocycles Using Palladium(II) Catalysts. <i>Heterocycles</i> , 1992 , 33, 1079-1088	0.8	45
102	Fe ₂ O ₃ -catalyzed Baeyer-Villiger oxidation of ketones with molecular oxygen in the presence of aldehydes. <i>Tetrahedron Letters</i> , 1992 , 33, 7557-7560	2	87
101	Ruthenium-catalyzed oxidation of tertiary amines with hydrogen peroxide in the presence of methanol. <i>Tetrahedron Letters</i> , 1992 , 33, 6991-6994	2	90
100	Palladium(II)-catalyzed amidation of alkenes. <i>Tetrahedron Letters</i> , 1992 , 33, 6643-6646	2	106
99	Osmium-catalyzed asymmetric dihydroxylation of olefins using chiral isoxazolidine ligands. <i>Tetrahedron Letters</i> , 1992 , 33, 5081-5084	2	19
98	Palladium(II)-catalyzed oxygenation of the carbon-carbon double bond by molecular oxygen: A probe for involvement of a palladium hydroperoxide species. <i>Journal of Molecular Catalysis</i> , 1992 , 74, 489-498		33
97	Osmium-catalyzed oxidation of lactams with peroxides. <i>Tetrahedron Letters</i> , 1991 , 32, 2145-2148	2	27
96	Ruthenium-Catalyzed Transformations of Amino Alcohols to Lactams. <i>Synlett</i> , 1991 , 1991, 693-694	2.2	148
95	Palladium(II)-catalyzed oxidation of carbon-carbon double bonds of allylic compounds with molecular oxygen; regioselective formation of aldehydes. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 1559-1560		50
94	Oxidation and condensation of alcohols catalyzed by ruthenium complexes. <i>Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute)</i> , 1991 , 34, 1-12		2
93	Ruthenium-Catalyzed Transformations of Amino Alcohols to Lactams. <i>Synlett</i> , 1991 , 1991, 693-694	2.2	6
92	Palladium(II)-Catalyzed Diastereoselective Acetalization of Hydroxyalkenes. <i>Chemistry Letters</i> , 1990 , 19, 1387-1390	1.7	20
91	Synthesis of Phenethylamines by Hydrogenation of β -Nitrostyrenes. <i>Bulletin of the Chemical Society of Japan</i> , 1990 , 63, 1252-1254	5.1	14
90	Catalysis of Pd(II)-Catalyzed Acetalization of Alkenes with Diols. <i>Bulletin of the Chemical Society of Japan</i> , 1990 , 63, 166-169	5.1	34
89	Novel method for β -substitution of amines via N-Methoxycarbonyl- β -butyldioxyamines. <i>Tetrahedron Letters</i> , 1990 , 31, 7475-7478	2	49
88	New reagents. X. Reagents for functionalization. N-methylphenylaminophosphonium iodide. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1990 , 48, 1056-1057	0.2	0
87	New reagents. V. Reducing reagents. Dihydridotetrakis(triphenylphosphine)ruthenium. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1990 , 48, 1020-1021	0.2	
86	Ruthenium-Catalyzed Oxidation of Nitriles with tert-Butyl Hydroperoxide. <i>Synlett</i> , 1989 , 1989, 62-63	2.2	14

85	Asymmetric cyclization of 2-alkenylphenols. A comparative study on the use of palladium(II) and titanium(IV) complexes. <i>Journal of Organometallic Chemistry</i> , 1989 , 370, C13-C16	2.3	15
84	Palladium(II)-catalyzed Alkoxylation and Acetoxylation of Alkenes. <i>Chemistry Letters</i> , 1989 , 18, 2001-2004	4.7	43
83	Synthesis and Properties of Copper(II) Perchlorate Complexes with Imino Oximes. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 1859-1863	5.1	1
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53	Palladium(O)-catalyzed allylic alkylation and amination of allylic phosphates. <i>Tetrahedron Letters</i> , 1982 , 23, 5549-5552	2	87
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