

# Kazuya Yamaguchi

## List of Publications by Year in descending order

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237  
papers

15,702  
citations

11639

70  
h-index

20943

115  
g-index

338  
all docs

338  
docs citations

338  
times ranked

10355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mg <sup>2+</sup> /Al Mixed Oxides as Highly Active Acid-Base Catalysts for Cycloaddition of Carbon Dioxide to Epoxides. <i>Journal of the American Chemical Society</i> , 1999, 121, 4526-4527.	6.6	674
2	Epoxidation of olefins with hydrogen peroxide catalyzed by polyoxometalates. <i>Coordination Chemistry Reviews</i> , 2005, 249, 1944-1956.	9.5	636
3	Efficient Epoxidation of Olefins with >=99% Selectivity and Use of Hydrogen Peroxide. <i>Science</i> , 2003, 300, 964-966.	6.0	596
4	Supported Ruthenium Catalyst for the Heterogeneous Oxidation of Alcohols with Molecular Oxygen. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4538-4542.	7.2	478
5	Creation of a Monomeric Ru Species on the Surface of Hydroxyapatite as an Efficient Heterogeneous Catalyst for Aerobic Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2000, 122, 7144-7145.	6.6	436
6	Controlled Synthesis of Hydroxyapatite-Supported Palladium Complexes as Highly Efficient Heterogeneous Catalysts. <i>Journal of the American Chemical Society</i> , 2002, 124, 11572-11573.	6.6	390
7	Efficient Heterogeneous Aerobic Oxidation of Amines by a Supported Ruthenium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1480-1483.	7.2	347
8	Scope, Kinetics, and Mechanistic Aspects of Aerobic Oxidations Catalyzed by Ruthenium Supported on Alumina. <i>Chemistry - A European Journal</i> , 2003, 9, 4353-4361.	1.7	292
9	Peroxytungstate Immobilized on Ionic Liquid-Modified Silica as a Heterogeneous Epoxidation Catalyst with Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2005, 127, 530-531.	6.6	275
10	Catalytic Oxidative Synthesis of Nitriles Directly from Primary Alcohols and Ammonia. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6286-6288.	7.2	216
11	Efficient Hydration of Nitriles to Amides in Water, Catalyzed by Ruthenium Hydroxide Supported on Alumina. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1576-1580.	7.2	213
12	Catalysis of a hydroxyapatite-bound Ru complex: efficient heterogeneous oxidation of primary amines to nitriles in the presence of molecular oxygen. <i>Chemical Communications</i> , 2001, , 461-462.	2.2	212
13	Ruthenium hydroxide on magnetite as a magnetically separable heterogeneous catalyst for liquid-phase oxidation and reduction. <i>Green Chemistry</i> , 2006, 8, 735.	4.6	188
14	A Tungsten-Tin Mixed Hydroxide as an Efficient Heterogeneous Catalyst for Dehydration of Aldoximes to Nitriles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3922-3925.	7.2	183
15	Polyoxovanadometalate-Catalyzed Selective Epoxidation of Alkenes with Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5136-5141.	7.2	181
16	Efficient Oxidative Alkyne Homocoupling Catalyzed by a Monomeric Dicopper-Substituted Silicotungstate. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2407-2410.	7.2	178
17	Heterogeneously Catalyzed Synthesis of Primary Amides Directly from Primary Alcohols and Aqueous Ammonia. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 544-547.	7.2	174
18	Polyoxometalate Photocatalysis for Liquid-Phase Selective Organic Functional Group Transformations. <i>ACS Catalysis</i> , 2018, 8, 10809-10825.	5.5	161

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19	1,3-Dipolar Cycloaddition of Organic Azides to Alkynes by a Dicopper-Substituted Silicotungstate. <i>Journal of the American Chemical Society</i> , 2008, 130, 15304-15310.	6.6	155
20	Heterogeneously Catalyzed Efficient Oxygenation of Primary Amines to Amides by a Supported Ruthenium Hydroxide Catalyst. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9249-9251.	7.2	151
21	A One-Pot Synthesis of Primary Amides from Aldoximes or Aldehydes in Water in the Presence of a Supported Rhodium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5202-5205.	7.2	150
22	Visible-Light-Induced Photoredox Catalysis with a Tetracerium-Containing Silicotungstate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5356-5360.	7.2	142
23	Olefin Epoxidation with Hydrogen Peroxide Catalyzed by Lacunary Polyoxometalate $[\text{I}^3\text{-SiW}_{10}\text{O}_{34}(\text{H}_2\text{O})_2]^{4-}$ . <i>Chemistry - A European Journal</i> , 2007, 13, 639-648.	1.7	134
24	Heterogeneously catalyzed liquid-phase oxidation of alkanes and alcohols with molecular oxygen. <i>New Journal of Chemistry</i> , 2002, 26, 972-974.	1.4	131
25	Heterogeneously catalyzed selective N-alkylation of aromatic and heteroaromatic amines with alcohols by a supported ruthenium hydroxide. <i>Journal of Catalysis</i> , 2009, 263, 205-208.	3.1	131
26	Heterogeneously Catalyzed Aerobic Oxidative Biaryl Coupling of 2-Naphthols and Substituted Phenols in Water. <i>Journal of the American Chemical Society</i> , 2005, 127, 6632-6640.	6.6	130
27	The "Borrowing Hydrogen Strategy" by Supported Ruthenium Hydroxide Catalysts: Synthetic Scope of Symmetrically and Unsymmetrically Substituted Amines. <i>Chemistry - A European Journal</i> , 2010, 16, 7199-7207.	1.7	126
28	Saccharification of Natural Lignocellulose Biomass and Polysaccharides by Highly Negatively Charged Heteropolyacids in Concentrated Aqueous Solution. <i>ChemSusChem</i> , 2011, 4, 519-525.	3.6	123
29	Diamond-Shaped $[\text{Ag}_4]^{4+}$ Cluster Encapsulated by Silicotungstate Ligands: Synthesis and Catalysis of Hydrolytic Oxidation of Silanes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2434-2437.	7.2	122
30	Synthesis and Catalysis of Di- and Tetranuclear Metal Sandwich-Type Silicotungstates $[(\text{I}^3\text{-SiW}_{10}\text{O}_{36})_2\text{M}_2(\text{I}^4\text{-OH})_2]^{10-}$ and $[(\text{I}^3\text{-SiW}_{10}\text{O}_{36})_2\text{M}_4(\text{I}^4\text{-O})(\text{I}^4\text{-OH})_6]^{8-}$	6.9	121
31	Controlled Assembly Synthesis of Atomically Precise Ultrastable Silver Nanoclusters with Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2019, 141, 19550-19554.	6.6	121
32	Epoxidation of $\alpha,\beta$ -Unsaturated Ketones Using Hydrogen Peroxide in the Presence of Basic Hydrotalcite Catalysts. <i>Journal of Organic Chemistry</i> , 2000, 65, 6897-6903.	1.7	120
33	Supported Ruthenium Catalyst for the Heterogeneous Oxidation of Alcohols with Molecular Oxygen. <i>Angewandte Chemie</i> , 2002, 114, 4720-4724.	1.6	119
34	$[\text{I}^3\text{-1,2-H}_2\text{SiW}_{10}\text{O}_{40}]$ Immobilized on Surface-Modified $\text{SiO}_2$ as a Heterogeneous Catalyst for Liquid-Phase Oxidation with $\text{H}_2\text{O}_2$ . <i>Chemistry - A European Journal</i> , 2006, 12, 4176-4184.	1.7	118
35	Cyanosilylation of Carbonyl Compounds with Trimethylsilyl Cyanide Catalyzed by an Yttrium-Pillared Silicotungstate Dimer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3686-3690.	7.2	112
36	Catalytic synthesis of silyl formates with 1 atm of $\text{CO}_2$ and their utilization for synthesis of formyl compounds and formic acid. <i>Journal of Molecular Catalysis A</i> , 2013, 366, 347-352.	4.8	112

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37	Zinc(II) Containing $\hat{\text{I}}^3\text{-Keggin Sandwich-Type Silicotungstate}$ : Synthesis in Organic Media and Oxidation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6096-6100.	7.2	108
38	A Supported Copper Hydroxide on Titanium Oxide as an Efficient Reusable Heterogeneous Catalyst for 1,3-Dipolar Cycloaddition of Organic Azides to Terminal Alkynes. <i>Chemistry - A European Journal</i> , 2009, 15, 10464-10472.	1.7	104
39	Aerobic alcohol oxidation catalyzed by supported ruthenium hydroxides. <i>Journal of Catalysis</i> , 2009, 268, 343-349.	3.1	101
40	Strategic Design and Refinement of Lewis Acid-Base Catalysis by Rare-Earth-Metal-Containing Polyoxometalates. <i>Inorganic Chemistry</i> , 2012, 51, 6953-6961.	1.9	101
41	Molybdenum-doped $\hat{\text{I}}^{\pm}\text{-MnO}_2$ as an efficient reusable heterogeneous catalyst for aerobic sulfide oxygenation. <i>Catalysis Science and Technology</i> , 2016, 6, 222-233.	2.1	101
42	Synthesis of a Dialuminum-Substituted Silicotungstate and the Diastereoselective Cyclization of Citronellal Derivatives. <i>Journal of the American Chemical Society</i> , 2008, 130, 15872-15878.	6.6	99
43	Efficient Heterogeneous Aerobic Oxidation of Amines by a Supported Ruthenium Catalyst. <i>Angewandte Chemie</i> , 2003, 115, 1518-1521.	1.6	98
44	Tripodal Ligand-Stabilized Layered Double Hydroxide Nanoparticles with Highly Exchangeable $\text{CO}_3^{2-}$ . <i>Chemistry of Materials</i> , 2013, 25, 2291-2296.	3.2	97
45	Hydrotalcite catalysis: heterogeneous epoxidation of olefins using hydrogen peroxide in the presence of nitriles. <i>Chemical Communications</i> , 1998, , 295-296.	2.2	96
46	Field-induced slow magnetic relaxation of octahedrally coordinated mononuclear $\text{Fe}(\text{III})$ -, $\text{Co}(\text{II})$ -, and $\text{Mn}(\text{III})$ -containing polyoxometalates. <i>Chemical Communications</i> , 2015, 51, 4081-4084.	2.2	96
47	Synthesis, Structural Characterization, and Catalytic Performance of Ditungsten-Substituted $\hat{\text{I}}^3\text{-Keggin Silicotungstate}$ . <i>Inorganic Chemistry</i> , 2006, 45, 2347-2356.	1.9	95
48	Heterogeneously Catalyzed One-pot Synthesis of Aldimines from Primary Alcohols and Amines by Supported Ruthenium Hydroxides. <i>Chemistry Letters</i> , 2009, 38, 920-921.	0.7	94
49	Conceptual Design of Heterogeneous Oxidation Catalyst: Copper Hydroxide on Manganese Oxide-Based Octahedral Molecular Sieve for Aerobic Oxidative Alkyne Homocoupling. <i>ACS Catalysis</i> , 2011, 1, 1351-1354.	5.5	92
50	Hydrotalcite-Catalyzed Epoxidation of Olefins Using Hydrogen Peroxide and Amide Compounds. <i>Journal of Organic Chemistry</i> , 1999, 64, 2966-2968.	1.7	91
51	Manganese oxide-catalyzed transformation of primary amines to primary amides through the sequence of oxidative dehydrogenation and successive hydration. <i>Chemical Communications</i> , 2012, 48, 2642.	2.2	91
52	Self-Assembly of Anionic Polyoxometalate-Organic Architectures Based on Lacunary Phosphomolybdates and Pyridyl Ligands. <i>Journal of the American Chemical Society</i> , 2019, 141, 7687-7692.	6.6	91
53	Green Oxidation Reactions by Polyoxometalate-Based Catalysts: From Molecular to Solid Catalysts. <i>Topics in Catalysis</i> , 2010, 53, 876-893.	1.3	89
54	Manganese Oxide Promoted Liquid-Phase Aerobic Oxidative Amidation of Methylarenes to Monoamides Using Ammonia Surrogates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7250-7253.	7.2	89

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55	Efficient Heterogeneous Oxidation of Alkylarenes with Molecular Oxygen. <i>Organic Letters</i> , 2004, 6, 3577-3580.	2.4	87
56	Heterogeneously Catalyzed Efficient Alkyne-Alkyne Homocoupling by Supported Copper Hydroxide on Titanium Oxide. <i>Chemistry - A European Journal</i> , 2009, 15, 7539-7542.	1.7	87
57	Green oxidative synthesis of primary amides from primary alcohols or aldehydes catalyzed by a cryptomelane-type manganese oxide-based octahedral molecular sieve, OMS-2. <i>Catalysis Science and Technology</i> , 2013, 3, 318-327.	2.1	86
58	Highly Selective, Recyclable Epoxidation of Allylic Alcohols with Hydrogen Peroxide in Water Catalyzed by Dinuclear Peroxotungstate. <i>Chemistry - A European Journal</i> , 2004, 10, 4728-4734.	1.7	84
59	Selective Synthesis of Secondary Amines via <i>N</i> -Alkylation of Primary Amines and Ammonia with Alcohols by Supported Copper Hydroxide Catalysts. <i>Chemistry Letters</i> , 2010, 39, 1182-1183.	0.7	84
60	Gold Nanoparticles Supported on a Layered Double Hydroxide as Efficient Catalysts for the One-Pot Synthesis of Flavones. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13302-13306.	7.2	82
61	A highly negatively charged $\beta$ -Keggin germanodecatungstate efficient for Knoevenagel condensation. <i>Chemical Communications</i> , 2012, 48, 8422.	2.2	81
62	Synthetic Scope and Mechanistic Studies of Ru(OH) <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> -Catalyzed Heterogeneous Hydrogen-Transfer Reactions. <i>Chemistry - A European Journal</i> , 2005, 11, 6574-6582.	1.7	76
63	A discrete octahedrally shaped [Ag <sub>6</sub> ] <sup>4+</sup> cluster encapsulated within silicotungstate ligands. <i>Chemical Communications</i> , 2013, 49, 376-378.	2.2	76
64	Selective aerobic oxidations by supported ruthenium hydroxide catalysts. <i>Catalysis Today</i> , 2008, 132, 18-26.	2.2	74
65	Aerobic Oxidative Transformation of Primary Azides to Nitriles by Ruthenium Hydroxide Catalyst. <i>Journal of Organic Chemistry</i> , 2011, 76, 4606-4610.	1.7	74
66	Supported Gold Nanoparticles for Efficient $\alpha$ -Oxygenation of Secondary and Tertiary Amines into Amides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7212-7217.	7.2	74
67	An efficient H <sub>2</sub> O <sub>2</sub> -based oxidative bromination of alkenes, alkynes, and aromatics by a divanadium-substituted phosphotungstate. <i>Chemical Communications</i> , 2011, 47, 1692.	2.2	72
68	Highly Dispersed Ruthenium Hydroxide Supported on Titanium Oxide Effective for Liquid-Phase Hydrogen-Transfer Reactions. <i>Chemistry - A European Journal</i> , 2008, 14, 11480-11487.	1.7	71
69	A Supported Rhodium Hydroxide Catalyst: Preparation, Characterization, and Scope of the Synthesis of Primary Amides from Aldoximes or Aldehydes. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1715-1721.	1.7	71
70	Oxidation of adamantane with 1 atm molecular oxygen by vanadium-substituted polyoxometalates. <i>Journal of Catalysis</i> , 2005, 233, 81-89.	3.1	70
71	An Efficient Solvent-Free Route to Silyl Esters and Silyl Ethers. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1405-1411.	2.1	68
72	Efficient Catalytic Synthesis of Tertiary and Secondary Amines from Alcohols and Urea. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9888-9891.	7.2	66

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73	Molecular Design of Polyoxometalate-Based Compounds for Environmentally-Friendly Functional Group Transformations: From Molecular Catalysts to Heterogeneous Catalysts. <i>Catalysis Surveys From Asia</i> , 2011, 15, 68-79.	1.0	65
74	Efficient, regioselective epoxidation of dienes with hydrogen peroxide catalyzed by $[\text{W}(\text{O})_2(\text{H}_2\text{O})_2]_4$ . <i>Journal of Catalysis</i> , 2004, 224, 224-228.	3.1	64
75	$[\text{W}(\text{O})_2(\text{H}_2\text{O})_2]_4$ -Catalyzed Epoxidation of Allylic Alcohols in Water with High Selectivity and Utilization of Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 1193-1196.	2.1	63
76	A Supported Copper Hydroxide as an Efficient, Ligand-Free, and Heterogeneous Precatalyst for 1,3-Dipolar Cycloadditions of Organic Azides to Terminal Alkynes. <i>ChemSusChem</i> , 2009, 2, 59-62.	3.6	62
77	Polyoxometalate catalysts: toward the development of green H <sub>2</sub> O <sub>2</sub> -based epoxidation systems. <i>Chemical Record</i> , 2006, 6, 12-22.	2.9	61
78	An Efficient, Ligand-Free, Heterogeneous Supported Copper Hydroxide Catalyst for the Synthesis of Bicyclic Pyrazolidinone Derivatives. <i>Chemistry - A European Journal</i> , 2011, 17, 3827-3831.	1.7	60
79	Heterogeneously Catalyzed Aerobic Cross-Dehydrogenative Coupling of Terminal Alkynes and Monohydrosilanes by Gold Supported on OMS <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5627-5630.	7.2	60
80	Heterogeneously Catalyzed Efficient Hydration of Alkynes to Ketones by Tin-Tungsten Mixed Oxides. <i>Chemistry - A European Journal</i> , 2011, 17, 1261-1267.	1.7	59
81	A Tin-Tungsten Mixed Oxide as an Efficient Heterogeneous Catalyst for C-C Bond-Forming Reactions. <i>Chemistry - A European Journal</i> , 2009, 15, 4343-4349.	1.7	58
82	Synthesis and Disassembly/Reassembly of Giant Ring-Shaped Polyoxotungstate Oligomers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9630-9633.	7.2	58
83	Au-Pd alloy nanoparticles supported on layered double hydroxide for heterogeneously catalyzed aerobic oxidative dehydrogenation of cyclohexanols and cyclohexanones to phenols. <i>Chemical Science</i> , 2016, 7, 5371-5383.	3.7	58
84	Oxidative nucleophilic strategy for synthesis of thiocyanates and trifluoromethyl sulfides from thiols. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9200-9206.	1.5	57
85	Copper-Catalyzed Oxidative Cross-Coupling of <i>H</i> -Phosphonates and Amides to <i>N</i> -Acyphosphoramidates. <i>Organic Letters</i> , 2013, 15, 418-421.	2.4	56
86	Polyoxometalate LUMO engineering: a strategy for visible-light-responsive aerobic oxygenation photocatalysts. <i>Chemical Communications</i> , 2018, 54, 7127-7130.	2.2	56
87	Heterogeneously catalyzed selective aerobic oxidative cross-coupling of terminal alkynes and amides with simple copper(ii) hydroxide. <i>Chemical Communications</i> , 2012, 48, 4974.	2.2	55
88	An Ultrastable, Small {Ag <sub>7</sub> } <sup>5+</sup> Nanocluster within a Triangular Hollow Polyoxometalate Framework. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16361-16365.	7.2	55
89	Selective Synthesis of Primary Anilines from Cyclohexanone Oximes by the Concerted Catalysis of a Mg-Al Layered Double Hydroxide Supported Pd Catalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 13821-13829.	6.6	54
90	Catalyst design of hydrotalcite compounds for efficient oxidations. <i>Catalysis Surveys From Asia</i> , 2000, 4, 31-38.	1.2	51

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91	Gold-Catalyzed Heterogeneous Aerobic Dehydrogenative Amination of $\alpha,\beta$ -Unsaturated Aldehydes to Enaminals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 455-458.	7.2	47
92	Synthetic Scope of Ru(OH) <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> -Catalyzed Hydrogen-Transfer Reactions: An Application to Reduction of Allylic Alcohols by a Sequential Process of Isomerization/Meerwein-Ponndorf-Verley-Type Reduction. <i>Chemistry - A European Journal</i> , 2008, 14, 4104-4109.	1.7	46
93	Photoredox catalysis for oxygenation/deoxygenation between sulfides and sulfoxides by visible-light-responsive polyoxometalates. <i>New Journal of Chemistry</i> , 2016, 40, 1014-1021.	1.4	46
94	Sequential Synthesis of 3d-3d <sup>2</sup> -4f Heterometallic Heptanuclear Clusters in between Lacunary Polyoxometalates. <i>Inorganic Chemistry</i> , 2016, 55, 2023-2029.	1.9	45
95	Rhodium acetate/base-catalyzed N-silylation of indole derivatives with hydrosilanes. <i>Chemical Communications</i> , 2012, 48, 9269.	2.2	44
96	An Immobilized Organocatalyst for Cyanosilylation and Epoxidation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1516-1520.	2.1	43
97	An Efficient One-Pot Synthesis of Nitriles from Alcohols or Aldehydes with NH <sub>3</sub> Catalyzed by a Supported Ruthenium Hydroxide. <i>Topics in Catalysis</i> , 2010, 53, 479-486.	1.3	43
98	Tin-Tungsten Mixed Oxide as Efficient Heterogeneous Catalyst for Conversion of Saccharides to Furan Derivatives. <i>Chemistry Letters</i> , 2011, 40, 542-543.	0.7	43
99	A Widely Applicable Regioselective Aerobic $\alpha$ -Cyanation of Tertiary Amines Heterogeneously Catalyzed by Manganese Oxides. <i>ChemCatChem</i> , 2013, 5, 2835-2838.	1.8	42
100	Versatile routes for synthesis of diarylamines through acceptorless dehydrogenative aromatization catalysis over supported gold-palladium bimetallic nanoparticles. <i>Chemical Science</i> , 2017, 8, 2131-2142.	3.7	41
101	Improved performance of Co-doped Li <sub>2</sub> O cathodes for lithium-peroxide batteries using LiCoO <sub>2</sub> as a dopant source. <i>Journal of Power Sources</i> , 2016, 306, 567-572.	4.0	40
102	Selective Synthesis of Primary Anilines from NH <sub>3</sub> and Cyclohexanones by Utilizing Preferential Adsorption of Styrene on the Pd Nanoparticle Surface. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10893-10897.	7.2	40
103	Selectivity switch in the aerobic oxygenation of sulfides photocatalysed by visible-light-responsive decavanadate. <i>Green Chemistry</i> , 2020, 22, 3896-3905.	4.6	40
104	Synthesis and structural characterization of a monomeric di-copper-substituted silicotungstate [H <sub>2</sub> SiW <sub>10</sub> O <sub>36</sub> Cu <sub>2</sub> ( $\mu$ -1,1-N <sub>3</sub> ) <sub>2</sub> ] <sup>4-</sup> and the catalysis of oxidative homocoupling of alkynes. <i>Journal of Catalysis</i> , 2008, 258, 121-130.	3.1	38
105	Efficient sulfoxidation with hydrogen peroxide catalyzed by a divanadium-substituted phosphotungstate. <i>Catalysis Today</i> , 2013, 203, 76-80.	2.2	38
106	A Molecular Hybrid of an Atomically Precise Silver Nanocluster and Polyoxometalates for H <sub>2</sub> Cleavage into Protons and Electrons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16994-16998.	7.2	38
107	Synthesis and Structural Characterization of a $\beta$ -Keggin-Type Dimeric Silicotungstate with a Bis( $\mu$ -hydroxo) Dizirconium Core [( $\beta$ -SiW <sub>10</sub> O <sub>36</sub> ) <sub>2</sub> Zr <sub>2</sub> ( $\mu$ -OH) <sub>2</sub> ] <sup>10-</sup> . <i>Inorganic Chemistry</i> , 2007, 46, 8502-8504.	1.9	36
108	A cascade approach to hetero-pentanuclear manganese-oxide clusters in polyoxometalates and their single-molecule magnet properties. <i>Dalton Transactions</i> , 2015, 44, 14220-14226.	1.6	36

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109	A modular synthesis approach to multinuclear heterometallic oxo clusters in polyoxometalates. <i>Chemical Communications</i> , 2017, 53, 7533-7536.	2.2	35
110	CuCl/TMEDA/nor-AZADO-catalyzed aerobic oxidative acylation of amides with alcohols to produce imides. <i>Chemical Science</i> , 2018, 9, 4756-4768.	3.7	34
111	Ligand-Directed Approach in Polyoxometalate Synthesis: Formation of a New Divacant Lacunary Polyoxomolybdate $[P^{3+}PMo_{10}O_{36}]^{7-}$ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6960-6964.	7.2	34
112	Selective Oxidation with Aqueous Hydrogen Peroxide by $[PO_4\{WO(O)_2\}_2]^{3-}$ Supported on Zinc-Modified Tin Dioxide. <i>ChemCatChem</i> , 2015, 7, 1097-1104.	1.8	33
113	A Ni-Mg-Al layered triple hydroxide-supported Pd catalyst for heterogeneous acceptorless dehydrogenative aromatization. <i>Chemical Communications</i> , 2017, 53, 5267-5270.	2.2	33
114	Robotic Stepwise Synthesis of Hetero-Multinuclear Metal Oxo Clusters as Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2021, 143, 12809-12816.	6.6	33
115	An Efficient Copper-mediated 1,3-Dipolar Cycloaddition of Pyrazolidinone-based Dipoles to Terminal Alkynes to Produce <i>trans</i> -Bicyclic Pyrazolidinone Derivatives. <i>Chemistry Letters</i> , 2010, 39, 1086-1087.	0.7	32
116	Sandwich-Type Zinc-Containing Polyoxometalates with a Hexaprismane Core $[Zn_2W(O)_3]^{4+}$ Synthesized by Thermally Induced Isomerization of a Metastable Polyoxometalate. <i>Inorganic Chemistry</i> , 2010, 49, 8194-8196.	1.9	31
117	Oxidative functional group transformations with hydrogen peroxide catalyzed by a divanadium-substituted phosphotungstate. <i>Catalysis Today</i> , 2012, 185, 157-161.	2.2	31
118	A Monovacant Lacunary Silicotungstate as an Efficient Heterogeneous Catalyst for Dehydration of Primary Amides to Nitriles. <i>ChemCatChem</i> , 2013, 5, 1725-1728.	1.8	31
119	Gold nanoparticles on OMS-2 for heterogeneously catalyzed aerobic oxidative $\alpha,\beta$ -dehydrogenation of $\beta$ -heteroatom-substituted ketones. <i>Chemical Communications</i> , 2016, 52, 14314-14317.	2.2	31
120	Theoretical and Experimental Studies on Reaction Mechanism for Aerobic Alcohol Oxidation by Supported Ruthenium Hydroxide Catalysts. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10873-10880.	1.5	30
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142	Direct Synthesis of Highly Designable Hybrid Metal Hydroxide Nanosheets by Using Tripodal Ligands as One-Size-Fits-All Modifiers. <i>Chemistry - A European Journal</i> , 2017, 23, 5023-5032.	1.7	24
143	Selective Dehydrogenative Mono- or Diborylation of Styrenes by Supported Copper Catalysts. <i>ACS Catalysis</i> , 2019, 9, 3011-3016.	5.5	24
144	$[\text{VO}(\text{H}_2\text{O})_5]\text{H}[\text{PMo}_{12}\text{O}_{40}]$ -catalyzed nitration of alkanes with nitric acid Electronic supplementary information (ESI) available: Experimental section. See <a href="http://www.rsc.org/suppdata/cc/b3/b314978a/">http://www.rsc.org/suppdata/cc/b3/b314978a/</a> . <i>Chemical Communications</i> , 2004, , 424.	2.2	23

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