

Kazuya Yamaguchi

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.

239
papers

13,245
citations

65
h-index

107
g-index

338
ext. papers

14,534
ext. citations

7.2
avg, IF

6.67
L-index

#	Paper	IF	Citations
239	C-H Bond Activation Mechanism by a Pd(II)-(ED)-Au(0) Structure Unique to Heterogeneous Catalysts.. <i>Jacs Au</i> , 2022 , 2, 394-406		1
238	Precise Design of Polyoxometalates and their Application to Photocatalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2022 , 80, 149-157	0.2	
237	Selective oxidation of methane into formaldehyde and carbon monoxide catalyzed by supported thermally stable iron oxide subnanoclusters prepared from a diiron-introduced polyoxometalate precursor. <i>Applied Catalysis B: Environmental</i> , 2022 , 121420	21.8	0
236	A Molecular Hybrid of an Atomically Precise Silver Nanocluster and Polyoxometalates for H ₂ Cleavage into Protons and Electrons. <i>Angewandte Chemie</i> , 2021 , 133, 17131-17135	3.6	1
235	A Molecular Hybrid of an Atomically Precise Silver Nanocluster and Polyoxometalates for H Cleavage into Protons and Electrons. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16994-16998	16.4	7
234	Mechanistic study of C-H bond activation by O ₂ on negatively charged Au clusters: Dehydrogenation of 1-methyl-4-piperidone by supported Au catalysts. <i>Catalysis Science and Technology</i> , 2021 , 11, 3333-3346	5.5	2
233	A protecting group strategy to access stable lacunary polyoxomolybdates for introducing multinuclear metal clusters. <i>Chemical Science</i> , 2021 , 12, 1240-1244	9.4	7
232	Synthesis of a phosphomolybdate with a tetranuclear vanadium core by installing vanadium atoms in a lacunary template using the protecting group strategy. <i>Chemical Communications</i> , 2021 , 57, 7882-7885	5.8	1
231	C(sp ³)-Selective Benzylic Borylation by In Situ Reduced Ultrasmall Ni Species on CeO ₂ . <i>ACS Catalysis</i> , 2021 , 11, 2150-2155	13.1	8
230	Ligand-Directed Approach in Polyoxometalate Synthesis: Formation of a New Divacant Lacunary Polyoxomolybdate [EPMo O]. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6960-6964	16.4	9
229	Ligand-Directed Approach in Polyoxometalate Synthesis: Formation of a New Divacant Lacunary Polyoxomolybdate [EPMo ₁₀ O ₃₆] ⁷⁻ . <i>Angewandte Chemie</i> , 2021 , 133, 7036-7040	3.6	0
228	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	16.4	4
227	Selective primary aniline synthesis through supported Pd-catalyzed acceptorless dehydrogenative aromatization by utilizing hydrazine. <i>Chemical Communications</i> , 2021 , 57, 6530-6533	5.8	0
226	Heterogeneously Ni-Pd nanoparticle-catalyzed base-free formal C-S bond metathesis of thiols. <i>Chemical Communications</i> , 2021 , 57, 3749-3752	5.8	2
225	Supersilyl as an effective monodentate ligand to stabilize four-coordinate manganese(II) complexes. <i>Dalton Transactions</i> , 2020 , 49, 17537-17541	4.3	0
224	Synthesis of unsymmetrically substituted triarylamines acceptorless dehydrogenative aromatization using a Pd/C and -toluenesulfonic acid hybrid relay catalyst. <i>Chemical Science</i> , 2020 , 11, 4074-4084	9.4	6
223	An Ultrastable, Small {Ag} Nanocluster within a Triangular Hollow Polyoxometalate Framework. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16361-16365	16.4	24

222	CeO ₂ -Supported Pd(II)-on-Au Nanoparticle Catalyst for Aerobic Selective α,β -Desaturation of Carbonyl Compounds Applicable to Cyclohexanones. <i>ACS Catalysis</i> , 2020 , 10, 5057-5063	13.1	6
221	New Strategy for Precise Synthesis of Polyoxometalate Catalysts with Designed Active Sites. <i>Journal of the Japan Petroleum Institute</i> , 2020 , 63, 258-266	1	1
220	Selectivity switch in the aerobic oxygenation of sulfides photocatalysed by visible-light-responsive decavanadate. <i>Green Chemistry</i> , 2020 , 22, 3896-3905	10	18
219	An Ultrastable, Small {Ag ₇ } ⁵⁺ Nanocluster within a Triangular Hollow Polyoxometalate Framework. <i>Angewandte Chemie</i> , 2020 , 132, 16503-16507	3.6	9
218	Cation-Disorder-Assisted Reversible Topotactic Phase Transition between Antifluorite and Rocksalt Toward High-Capacity Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43605-43613	9.5	3
217	Universal solid-state oxygen redox in antifluorite lithium oxides via transition metal doping. <i>Materials Advances</i> , 2020 , 1, 1301-1306	3.3	3
216	Selective Synthesis of Primary Anilines from NH ₃ and Cyclohexanones by Utilizing Preferential Adsorption of Styrene on the Pd Nanoparticle Surface. <i>Angewandte Chemie</i> , 2019 , 131, 11009-11013	3.6	4
215	Selective Synthesis of Primary Anilines from NH ₃ and Cyclohexanones by Utilizing Preferential Adsorption of Styrene on the Pd Nanoparticle Surface. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10893-10897	16.4	23
214	Fluorine and Copper Codoping for High Performance Li ₂ O-Based Cathode Utilizing Solid-State Oxygen Redox. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4389-4394	6.1	5
213	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	16.4	48
212	Ring-Shaped Polyoxometalates Possessing Multiple 3d Metal Cation Sites: [M(OH)] ₂ [M(OH)]PWO(OCH) (M = Mn, Co, Ni, Cu, Zn). <i>Inorganic Chemistry</i> , 2019 , 58, 7722-7729	5.1	8
211	Selective Dehydrogenative Mono- or Diborylation of Styrenes by Supported Copper Catalysts. <i>ACS Catalysis</i> , 2019 , 9, 3011-3016	13.1	15
210	Heterogeneously Palladium-catalyzed Acceptorless Dehydrogenative Aromatization of Cyclic Amines. <i>Chemistry Letters</i> , 2019 , 48, 517-520	1.7	6
209	Exploring orientationally aligned anisotropic large spin molecules with unusual long-distance intermolecular ferromagnetic interactions. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12918-12925	7.1	3
208	Methyl-Selective α,β -Oxygenation of Tertiary Amines to Formamides by Employing Copper/Moderately Hindered Nitroxyl Radical (DMN-AZADO or 1-Me-AZADO). <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16651-16659	16.4	10
207	Methyl-Selective α,β -Oxygenation of Tertiary Amines to Formamides by Employing Copper/Moderately Hindered Nitroxyl Radical (DMN-AZADO or 1-Me-AZADO). <i>Angewandte Chemie</i> , 2019 , 131, 16804-16812	3.6	3
206	Dehydrogenative Aromatization Reactions by Supported Pd or Au-Pd Alloy Nanoparticles Catalysts. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019 , 77, 566-575	0.2	
205	Hexavacant Dawson-type phosphotungstates supporting an edge-sharing bis(square-pyramidal) {OM(EO)(EOAc)MO} core (M = Mn, Co, Ni, Cu, or Zn). <i>Dalton Transactions</i> , 2019 , 48, 7281-7289	4.3	9

204	Controlled Assembly Synthesis of Atomically Precise Ultrastable Silver Nanoclusters with Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19550-19554	16.4	64
203	Rapid room-temperature synthesis of ultrasmall cubic Mg-Mn spinel cathode materials for rechargeable Mg-ion batteries.. <i>RSC Advances</i> , 2019 , 9, 36434-36439	3.7	14
202	Analysis of Peroxide Formation during Charge and Discharge in Co-doped Li ₂ O Cathode of Lithium Ion Battery by Raman Spectroscopy. <i>Chemistry Letters</i> , 2018 , 47, 776-779	1.7	3
201	Unusual Olefinic C=C Functionalization of Simple Chalcones toward Aurones Enabled by the Rational Design of a Function-Integrated Heterogeneous Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 4969-4978	13.1	15
200	Aerobic Oxygenation of Alkylarenes over Ultrafine Transition-Metal-Containing Manganese-Based Oxides. <i>ChemCatChem</i> , 2018 , 10, 1096-1106	5.2	19
199	Enhanced Specific Capacity of Co-Doped Li ₂ O by Optimization of Synthesis Conditions. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1971-A1974	3.9	2
198	Porous Cubic Cesium Salts of Silicododecatungstate(molybdate)/Borododecatungstate Blends: Synthesis and Molecular Adsorption Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 8821-8830	5.1	6
197	CuCl/TMEDA/nor-AZADO-catalyzed aerobic oxidative acylation of amides with alcohols to produce imides. <i>Chemical Science</i> , 2018 , 9, 4756-4768	9.4	19
196	Polyoxometalate Photocatalysis for Liquid-Phase Selective Organic Functional Group Transformations. <i>ACS Catalysis</i> , 2018 , 8, 10809-10825	13.1	86
195	Transition-Metal-Free Catalytic Formal Hydroacylation of Terminal Alkynes. <i>ACS Catalysis</i> , 2018 , 8, 11564-11569	13.1	86
194	Polyoxometalate LUMO engineering: a strategy for visible-light-responsive aerobic oxygenation photocatalysts. <i>Chemical Communications</i> , 2018 , 54, 7127-7130	5.8	34
193	Effect of Heteroatoms on Field-Induced Slow Magnetic Relaxation of Mononuclear Fe (S = 5/2) Ions within Polyoxometalates. <i>Inorganic Chemistry</i> , 2018 , 57, 6957-6964	5.1	13
192	Phosphovanadomolybdic acid catalyzed direct C=C trifluoromethylation of (hetero)arenes using NaSO ₂ CF ₃ as the CF ₃ source and O ₂ as the terminal oxidant. <i>New Journal of Chemistry</i> , 2017 , 41, 1417-1420	3.6	14
191	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	4.8	18
190	Cathode Performance of Co-Doped Li ₂ O with Specific Capacity (400 mAh/g) Enhanced by Vinylene Carbonate. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A750-A753	3.9	15
189	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, 4949-4949	4.8	18
188	Release and catch catalysis by tungstate species for the oxidative cleavage of olefins. <i>Catalysis Science and Technology</i> , 2017 , 7, 1662-1670	5.5	18
187	Creation of bismuth-tungsten oxide nanoclusters using lacunary polyoxometalates. <i>Dalton Transactions</i> , 2017 , 46, 7384-7387	4.3	11

186	Platinum-supporting hollandite-type vanadiumchromium mixed oxides as efficient heterogeneous catalysts for deoxygenation of sulfoxides under atmospheric H ₂ pressure. <i>Catalysis Science and Technology</i> , 2017 , 7, 1912-1920	5.5	11
185	A coordination strategy to realize a sextuply-bonded complex. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 14947-14954	3.6	6
184	Synthesis of Cu-doped Li ₂ O and its cathode properties for lithium-ion batteries based on oxide/peroxide redox reactions. <i>Journal of Power Sources</i> , 2017 , 340, 365-372	8.9	17
183	A modular synthesis approach to multinuclear heterometallic oxo clusters in polyoxometalates. <i>Chemical Communications</i> , 2017 , 53, 7533-7536	5.8	27
182	A Ni-Mg-Al layered triple hydroxide-supported Pd catalyst for heterogeneous acceptorless dehydrogenative aromatization. <i>Chemical Communications</i> , 2017 , 53, 5267-5270	5.8	25
181	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	9.4	33
180	Photoredox Catalysis of Visible-light-responsive Divacant Lacunary Silicotungstate for Selective Reduction of Aldehydes. <i>Chemistry Letters</i> , 2017 , 46, 1379-1382	1.7	6
179	Visible-light-responsive catalysis of a zinc-introduced lacunary disilicoicosatungstate for the deoxygenation of pyridine N-oxides. <i>New Journal of Chemistry</i> , 2017 , 41, 13226-13229	3.6	14
178	Formal arylation of NH to produce diphenylamines over supported Pd catalysts. <i>Chemical Communications</i> , 2017 , 53, 10827-10830	5.8	14
177	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	16.4	43
176	Alkoxides of Trivacant Lacunary Polyoxometalates. <i>Chemistry - A European Journal</i> , 2017 , 23, 14213-14220	10.8	23
175	Molybdenum-doped β -MnO ₂ as an efficient reusable heterogeneous catalyst for aerobic sulfide oxygenation. <i>Catalysis Science and Technology</i> , 2016 , 6, 222-233	5.5	71
174	Synthesis of N-Acylsulfenamides through Aerobic Cross Dehydrogenative Coupling of Thiols and Amides by Supported Copper Hydroxide Catalyst. <i>Chemistry Letters</i> , 2016 , 45, 173-175	1.7	8
173	Synthesis and Disassembly/Reassembly of Giant Ring-Shaped Polyoxotungstate Oligomers. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9630-3	16.4	40
172	Gold nanoparticles on OMS-2 for heterogeneously catalyzed aerobic oxidative dehydrogenation of heteroatom-substituted ketones. <i>Chemical Communications</i> , 2016 , 52, 14314-14317	5.8	24
171	Synthesis and Disassembly/Reassembly of Giant Ring-Shaped Polyoxotungstate Oligomers. <i>Angewandte Chemie</i> , 2016 , 128, 9782-9785	3.6	12
170	Supported Gold Nanoparticles for Efficient β -Oxygenation of Secondary and Tertiary Amines into Amides. <i>Angewandte Chemie</i> , 2016 , 128, 7328-7333	3.6	15
169	Supported Gold Nanoparticles for Efficient β -Oxygenation of Secondary and Tertiary Amines into Amides. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7212-7	16.4	42

168	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	9.4	49
167	Electrochemical reactions and cathode properties of Fe-doped Li ₂ O for the hermetically sealed lithium peroxide battery. <i>Journal of Power Sources</i> , 2016 , 322, 49-56	8.9	22
166	Photoredox catalysis for oxygenation/deoxygenation between sulfides and sulfoxides by visible-light-responsive polyoxometalates. <i>New Journal of Chemistry</i> , 2016 , 40, 1014-1021	3.6	33
165	Improved performance of Co-doped Li ₂ O cathodes for lithium-peroxide batteries using LiCoO ₂ as a dopant source. <i>Journal of Power Sources</i> , 2016 , 306, 567-572	8.9	31
164	Sequential Synthesis of 3d-3d'-4f Heterometallic Heptanuclear Clusters in between Lacunary Polyoxometalates. <i>Inorganic Chemistry</i> , 2016 , 55, 2023-9	5.1	29
163	Facile access to N-substituted anilines via dehydrogenative aromatization catalysis over supported gold/palladium bimetallic nanoparticles. <i>Catalysis Science and Technology</i> , 2016 , 6, 3929-3937	5.5	22
162	Water- and Temperature-Triggered Reversible Structural Transformation of Tetranuclear Cobalt(II) Cores Sandwiched by Polyoxometalates. <i>Chemistry - A European Journal</i> , 2016 , 22, 3962-6	4.8	15
161	Rational Low-Temperature Synthesis of Ultrasmall Nanocrystalline Manganese Binary Oxide Catalysts under Controlled Metal Cation Hydration in Organic Media. <i>ChemNanoMat</i> , 2016 , 2, 297-306	3.5	4
160	Phosphovanadomolybdic acid catalyzed desulfurization/oxygenation of secondary and tertiary thioamides into amides using molecular oxygen as the terminal oxidant. <i>New Journal of Chemistry</i> , 2016 , 40, 4865-4869	3.6	10
159	Selective Deoxygenation of Pyridine N-Oxides through Photoredox Catalysis of a Dilacunary Silicotungstate. <i>ChemistrySelect</i> , 2016 , 1, 5042-5048	1.8	14
158	Hexanuclear tin(II) and mixed valence tin(II,IV) oxide clusters within polyoxometalates. <i>Chemical Communications</i> , 2016 , 52, 10688-91	5.8	14
157	A cascade approach to hetero-pentanuclear manganese-oxide clusters in polyoxometalates and their single-molecule magnet properties. <i>Dalton Transactions</i> , 2015 , 44, 14220-6	4.3	26
156	Regioselective direct oxidative C-H cyanation of quinoline and its derivatives catalyzed by vanadium-containing heteropoly acids. <i>Chemical Communications</i> , 2015 , 51, 10034-7	5.8	18
155	Supported gold-palladium alloy nanoparticle catalyzed tandem oxidation routes to N-substituted anilines from non-aromatic compounds. <i>Chemical Communications</i> , 2015 , 51, 14969-72	5.8	23
154	Synthesis and oxidation catalysis of a Ti-substituted phosphotungstate, and identification of the active oxygen species. <i>Catalysis Science and Technology</i> , 2015 , 5, 4778-4789	5.5	18
153	Visible-light-responsive multielectron redox catalysis of lacunary polyoxometalates induced by substrate coordination to their lacuna. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 144-8	4.5	18
152	Synthesis of ultrasmall Li-Mn spinel oxides exhibiting unusual ion exchange, electrochemical, and catalytic properties. <i>Scientific Reports</i> , 2015 , 5, 15011	4.9	9
151	Relationship between Aggregated Structures and Dispersibility of Layered Double Hydroxide Nanoparticles ca. 10 nm in Size and Their Application to Ultrafast Removal of Aqueous Anionic Dye. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 1765-1772	5.1	11

150	Synthesis, Structural Characterization, and Oxidation Catalysis of a Diniobium-substituted Silicotungstate. <i>Chemistry Letters</i> , 2015 , 44, 899-901	1.7	7
149	Gold Nanoparticles Supported on a Layered Double Hydroxide as Efficient Catalysts for the One-Pot Synthesis of Flavones. <i>Angewandte Chemie</i> , 2015 , 127, 13500-13504	3.6	6
148	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, 13302-6	16.4	54
147	Synthesis and structural characterization of BINOL-modified chiral polyoxometalates. <i>Dalton Transactions</i> , 2015 , 44, 10947-51	4.3	11
146	Selective Oxidation with Aqueous Hydrogen Peroxide by [PO ₄ {WO(O ₂) ₂] ₄] ₃ Supported on Zinc-Modified Tin Dioxide. <i>ChemCatChem</i> , 2015 , 7, 1097-1104	5.2	26
145	Field-induced slow magnetic relaxation of octahedrally coordinated mononuclear Fe(III)-, Co(II)-, and Mn(III)-containing polyoxometalates. <i>Chemical Communications</i> , 2015 , 51, 4081-4	5.8	79
144	Composites of [H ₂ PV ₂ W ₁₀ O ₄₀] ₃ and [SiW ₁₂ O ₄₀] ₄ Supported on Fe ₂ O ₃ as heterogeneous catalysts for selective oxidation with aqueous hydrogen peroxide. <i>Catalysis Science and Technology</i> , 2015 , 5, 2602-2611	5.5	15
143	Gold-catalyzed heterogeneous aerobic dehydrogenative amination of α -unsaturated aldehydes to enaminals. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 455-8	16.4	41
142	Aerobic cross-dehydrogenative coupling of terminal alkynes and tertiary amines by a combined catalyst of Zn ²⁺ and OMS-2. <i>RSC Advances</i> , 2014 , 4, 34712-34715	3.7	21
141	Facile access to 3,5-symmetrically disubstituted 1,2,4-thiadiazoles through phosphovanadomolybdic acid catalyzed aerobic oxidative dimerization of primary thioamides. <i>Chemical Communications</i> , 2014 , 50, 6748-50	5.8	23
140	Development of Highly Active Heterogeneous Oxidation Catalysts Based on the Properties of Metal Hydroxides. <i>Topics in Catalysis</i> , 2014 , 57, 1196-1207	2.3	8
139	Efficient Hydrodeoxygenation of Ketones, Phenols, and Ethers Promoted by Platinum/Bieteropolyacid Bifunctional Catalysts. <i>Chemistry Letters</i> , 2014 , 43, 1086-1088	1.7	15
138	Hydrogen Evolution Using the Visible-light-induced Metal-to-polyoxometalate Multiple Electron Transfer. <i>Chemistry Letters</i> , 2014 , 43, 1429-1431	1.7	25
137	Visible-Light-Induced Photoredox Catalysis with a Tetracerium-Containing Silicotungstate. <i>Angewandte Chemie</i> , 2014 , 126, 5460-5464	3.6	36
136	Gold-Catalyzed Heterogeneous Aerobic Dehydrogenative Amination of α -Unsaturated Aldehydes to Enaminals. <i>Angewandte Chemie</i> , 2014 , 126, 465-468	3.6	10
135	Supported Metal Hydroxides as Efficient Heterogeneous Catalysts for Green Functional Group Transformations. <i>Journal of the Japan Petroleum Institute</i> , 2014 , 57, 251-260	1	1
134	Visible-light-induced photoredox catalysis with a tetracerium-containing silicotungstate. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5356-60	16.4	115
133	Oxidative nucleophilic strategy for synthesis of thiocyanates and trifluoromethyl sulfides from thiols. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9200-6	3.9	45

132	Synthesis, structure characterization, and reversible transformation of a cobalt salt of a dilacunar Keggin silicotungstate and sandwich-type di- and tetracobalt-containing silicotungstate dimers. <i>Inorganic Chemistry</i> , 2013 , 52, 8644-52	5.1	23
131	Heterogeneous-gold-catalyzed acceptorless cross-dehydrogenative coupling of hydrosilanes and isocyanic acid generated in situ from urea. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8420-3	16.4	15
130	Heterogeneously catalyzed self-condensation of primary amines to secondary amines by supported copper catalysts. <i>Catalysis Science and Technology</i> , 2013 , 3, 2397	5.5	18
129	A Widely Applicable Regioselective Aerobic α -Cyanation of Tertiary Amines Heterogeneously Catalyzed by Manganese Oxides. <i>ChemCatChem</i> , 2013 , 5, 2835-2838	5.2	38
128	Efficient sulfoxidation with hydrogen peroxide catalyzed by a divanadium-substituted phosphotungstate. <i>Catalysis Today</i> , 2013 , 203, 76-80	5.3	32
127	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	5.5	75
126	Copper-catalyzed oxidative cross-coupling of H-phosphonates and amides to N-acylphosphoramidates. <i>Organic Letters</i> , 2013 , 15, 418-21	6.2	45
125	A discrete octahedrally shaped [Ag ₆] ⁴⁺ cluster encapsulated within silicotungstate ligands. <i>Chemical Communications</i> , 2013 , 49, 376-8	5.8	59
124	A Monovacant Lacunar Silicotungstate as an Efficient Heterogeneous Catalyst for Dehydration of Primary Amides to Nitriles. <i>ChemCatChem</i> , 2013 , 5, 1725-1728	5.2	27
123	Heterogeneously catalyzed aerobic cross-dehydrogenative coupling of terminal alkynes and monohydrosilanes by gold supported on OMS-2. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5627-30	16.4	48
122	Tripodal Ligand-Stabilized Layered Double Hydroxide Nanoparticles with Highly Exchangeable CO ₃ ²⁻ . <i>Chemistry of Materials</i> , 2013 , 25, 2291-2296	9.6	73
121	Catalytic synthesis of silyl formates with 1 atm of CO ₂ and their utilization for synthesis of formyl compounds and formic acid. <i>Journal of Molecular Catalysis A</i> , 2013 , 366, 347-352		105
120	Hydrosilylation of Various Multiple Bonds by a Simple Combined Catalyst of a Tungstate Monomer and Rhodium Acetate. <i>Chemistry Letters</i> , 2013 , 42, 980-982	1.7	11
119	Heterogeneous-Gold-Catalyzed Acceptorless Cross-Dehydrogenative Coupling of Hydrosilanes and Isocyanic Acid Generated in situ from Urea. <i>Angewandte Chemie</i> , 2013 , 125, 8578-8581	3.6	3
118	Heterogeneously Catalyzed Aerobic Cross-Dehydrogenative Coupling of Terminal Alkynes and Monohydrosilanes by Gold Supported on OMS-2. <i>Angewandte Chemie</i> , 2013 , 125, 5737-5740	3.6	19
117	Heterogeneously Catalyzed Synthesis of Primary Amides Directly from Primary Alcohols and Aqueous Ammonia. <i>Angewandte Chemie</i> , 2012 , 124, 559-562	3.6	40
116	Heterogeneously catalyzed synthesis of primary amides directly from primary alcohols and aqueous ammonia. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 544-7	16.4	149
115	Diamond-shaped [Ag ₄] ⁴⁺ cluster encapsulated by silicotungstate ligands: synthesis and catalysis of hydrolytic oxidation of silanes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2434-7	16.4	96

114	A Green Synthetic Route to Imides from Terminal Alkynes and Amides by Simple Solid Catalysts. <i>Chemistry Letters</i> , 2012 , 41, 866-867	1.7	13
113	Manganese Oxide-catalyzed Additive- and Solvent-free Aerobic Oxidative Synthesis of Primary Amides from Primary Amines. <i>Chemistry Letters</i> , 2012 , 41, 633-635	1.7	12
112	Efficient Hydration of Nitriles Promoted by Simple Amorphous Manganese Oxide Using Reduced Amounts of Water. <i>Chemistry Letters</i> , 2012 , 41, 574-576	1.7	19
111	Facile synthesis of nitriles via manganese oxide promoted oxidative dehydrosulfurization of primary thioamides. <i>Chemical Communications</i> , 2012 , 48, 11247-9	5.8	19
110	Strategic design and refinement of Lewis acid-base catalysis by rare-earth-metal-containing polyoxometalates. <i>Inorganic Chemistry</i> , 2012 , 51, 6953-61	5.1	91
109	Rhodium acetate/base-catalyzed N-silylation of indole derivatives with hydrosilanes. <i>Chemical Communications</i> , 2012 , 48, 9269-71	5.8	36
108	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, 2642-4	5.8	80
107	A highly negatively charged Keggin germanodecatungstate efficient for Knoevenagel condensation. <i>Chemical Communications</i> , 2012 , 48, 8422-4	5.8	66
106	Diamond-Shaped [Ag ₄] ⁴⁺ Cluster Encapsulated by Silicotungstate Ligands: Synthesis and Catalysis of Hydrolytic Oxidation of Silanes. <i>Angewandte Chemie</i> , 2012 , 124, 2484-2487	3.6	20
105	Cyanosilylation of Carbonyl Compounds with Trimethylsilyl Cyanide Catalyzed by an Yttrium-Pillared Silicotungstate Dimer. <i>Angewandte Chemie</i> , 2012 , 124, 3746-3750	3.6	37
104	Manganese Oxide Promoted Liquid-Phase Aerobic Oxidative Amidation of Methylarenes to Monoamides Using Ammonia Surrogates. <i>Angewandte Chemie</i> , 2012 , 124, 7362-7365	3.6	22
103	Cyanosilylation of carbonyl compounds with trimethylsilyl cyanide catalyzed by an yttrium-pillared silicotungstate dimer. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3686-90	16.4	103
102	Manganese oxide promoted liquid-phase aerobic oxidative amidation of methylarenes to monoamides using ammonia surrogates. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7250-3	16.4	75
101	Heterogeneously catalyzed selective aerobic oxidative cross-coupling of terminal alkynes and amides with simple copper(II) hydroxide. <i>Chemical Communications</i> , 2012 , 48, 4974-6	5.8	44
100	Oxidative functional group transformations with hydrogen peroxide catalyzed by a divanadium-substituted phosphotungstate. <i>Catalysis Today</i> , 2012 , 185, 157-161	5.3	24
99	An efficient H ₂ O ₂ -based oxidative bromination of alkenes, alkynes, and aromatics by a divanadium-substituted phosphotungstate. <i>Chemical Communications</i> , 2011 , 47, 1692-4	5.8	68
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97	Layered assemblies of a dialuminum-substituted silicotungstate trimer and the reversible interlayer cation-exchange properties. <i>Inorganic Chemistry</i> , 2011 , 50, 12411-3	5.1	13

96	Liquid-Phase Selective Oxidation by Multimetallic Active Sites of Polyoxometalate-Based Molecular Catalysts. <i>Topics in Organometallic Chemistry</i> , 2011 , 127-160	0.6	23
95	Aerobic oxidative transformation of primary azides to nitriles by ruthenium hydroxide catalyst. <i>Journal of Organic Chemistry</i> , 2011 , 76, 4606-10	4.2	66
94	Tin-Tungsten Mixed Oxide as Efficient Heterogeneous Catalyst for Conversion of Saccharides to Furan Derivatives. <i>Chemistry Letters</i> , 2011 , 40, 542-543	1.7	40
93	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	2.8	59
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91	Heterogeneously catalyzed efficient hydration of alkynes to ketones by tin-tungsten mixed oxides. <i>Chemistry - A European Journal</i> , 2011 , 17, 1261-7	4.8	56
90	An efficient, ligand-free, heterogeneous supported copper hydroxide catalyst for the synthesis of n,n-bicyclic pyrazolidinone derivatives. <i>Chemistry - A European Journal</i> , 2011 , 17, 3827-31	4.8	56
89	Heteropoly Acid-Based Materials for Reversible H ₂ Storage as Protons and Electrons under Mild Conditions. <i>Chemistry of Materials</i> , 2011 , 23, 4102-4104	9.6	12
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85	An Efficient Copper-mediated 1,3-Dipolar Cycloaddition of Pyrazolidinone-based Dipoles to Terminal Alkynes to Produce N,N-Bicyclic Pyrazolidinone Derivatives. <i>Chemistry Letters</i> , 2010 , 39, 1086-1087	1.7	27
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81	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, 7199-207	4.8	118
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77	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	7.3	125
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68	Titelbild: Catalytic Oxidative Synthesis of Nitriles Directly from Primary Alcohols and Ammonia (Angew. Chem. 34/2009). <i>Angewandte Chemie</i> , 2009 , 121, 6291-6291	3.6	
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2	Liquid-Phase Oxidations with Hydrogen Peroxide and Molecular Oxygen Catalyzed by Polyoxometalate-Based Compounds 185-216		22
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