

# Kosuke Suzuki

## List of Publications by Citations

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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.

92  
papers

3,334  
citations

31  
h-index

55  
g-index

121  
ext. papers

3,912  
ext. citations

7.8  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
92	Fluorous nanodroplets structurally confined in an organopalladium sphere. <i>Science</i> , <b>2006</b> , 313, 1273-6	33.3	270
91	Protein encapsulation within synthetic molecular hosts. <i>Nature Communications</i> , <b>2012</b> , 3, 1093	17.4	170
90	24-fold endohedral functionalization of a self-assembled M12L24 coordination nanoball. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11950-1	16.4	164
89	Reversible switching of single-molecule magnet behaviors by transformation of dinuclear dysprosium cores in polyoxometalates. <i>Chemical Science</i> , <b>2013</b> , 4, 596-600	9.4	154
88	Solvato-controlled assembly of Pd3L6 and Pd4L8 coordination "boxes". <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2819-22	16.4	147
87	Self-assembly of an M6L12 coordination cube. <i>Chemical Communications</i> , <b>2009</b> , 1638-40	5.8	139
86	Template synthesis of precisely monodisperse silica nanoparticles within self-assembled organometallic spheres. <i>Nature Chemistry</i> , <b>2010</b> , 2, 25-9	17.6	130
85	Visible-light-induced photoredox catalysis with a tetracerium-containing silicotungstate. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5356-60	16.4	115
84	Cyanosilylation of carbonyl compounds with trimethylsilyl cyanide catalyzed by an yttrium-pillared silicotungstate dimer. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3686-90	16.4	103
83	Endohedral peptide lining of a self-assembled molecular sphere to generate chirality-confined hollows. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10652-3	16.4	98
82	Coronene nanophase within coordination spheres: increased solubility of C60. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2544-5	16.4	93
81	Strategic design and refinement of Lewis acid-base catalysis by rare-earth-metal-containing polyoxometalates. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 6953-61	5.1	91
80	Polyoxometalate Photocatalysis for Liquid-Phase Selective Organic Functional Group Transformations. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10809-10825	13.1	86
79	Field-induced slow magnetic relaxation of octahedrally coordinated mononuclear Fe(III)-, Co(II)-, and Mn(III)-containing polyoxometalates. <i>Chemical Communications</i> , <b>2015</b> , 51, 4081-4	5.8	79
78	Molybdenum-doped $\beta$ -MnO <sub>2</sub> as an efficient reusable heterogeneous catalyst for aerobic sulfide oxygenation. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 222-233	5.5	71
77	Controlled Assembly Synthesis of Atomically Precise Ultrastable Silver Nanoclusters with Polyoxometalates. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19550-19554	16.4	64
76	Three-dimensional ordered arrays of 58B8B8 B hollow frameworks in ionic crystals of M2Zn2-substituted polyoxometalates. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1597-601	16.4	62

75	A discrete octahedrally shaped [Ag <sub>6</sub> ] <sup>4+</sup> cluster encapsulated within silicotungstate ligands. <i>Chemical Communications</i> , <b>2013</b> , 49, 376-8	5.8	59
74	Solvato-Controlled Assembly of Pd <sub>3</sub> L <sub>6</sub> and Pd <sub>4</sub> L <sub>8</sub> Coordination Boxes <i>Angewandte Chemie</i> , <b>2007</b> , 119, 2877-2880	3.6	53
73	Discrete and well-defined hydrophobic phases confined in self-assembled spherical complexes. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5780-2	16.4	52
72	Heterodinuclear lanthanoid-containing polyoxometalates: stepwise synthesis and single-molecule magnet behavior. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 12982-90	4.8	50
71	Self-Assembly of Anionic Polyoxometalate-Organic Architectures Based on Lacunary Phosphomolybdates and Pyridyl Ligands. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7687-7692	16.4	48
70	Emission Color Trajectory and White Electroluminescence Through Supramolecular Control of Energy Transfer and Exciplex Formation in Binary Blends of Conjugated Polyrotaxanes. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4284-4291	15.6	47
69	Synthesis and Disassembly/Reassembly of Giant Ring-Shaped Polyoxotungstate Oligomers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9630-3	16.4	40
68	Incarceration of (PdO) <sub>n</sub> and Pd(n) clusters by cage-templated synthesis of hollow silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5893-6	16.4	40
67	Cyanosilylation of Carbonyl Compounds with Trimethylsilyl Cyanide Catalyzed by an Yttrium-Pillared Silicotungstate Dimer. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3746-3750	3.6	37
66	Visible-Light-Induced Photoredox Catalysis with a Tetracerium-Containing Silicotungstate. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5460-5464	3.6	36
65	Synthesis of Dawson-type silicotungstate [Si <sub>2</sub> W <sub>18</sub> O <sub>62</sub> ] <sup>8-</sup> and protonation and deprotonation inside the aperture through intramolecular hydrogen bonds. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5946-52	4.8	35
64	The precise synthesis and growth of core-shell nanoparticles within a self-assembled spherical template. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4858-61	16.4	34
63	Polyoxometalate LUMO engineering: a strategy for visible-light-responsive aerobic oxygenation photocatalysts. <i>Chemical Communications</i> , <b>2018</b> , 54, 7127-7130	5.8	34
62	Photoredox catalysis for oxygenation/deoxygenation between sulfides and sulfoxides by visible-light-responsive polyoxometalates. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 1014-1021	3.6	33
61	Sequential Synthesis of 3d-3d'-4f Heterometallic Heptanuclear Clusters in between Lacunary Polyoxometalates. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2023-9	5.1	29
60	A modular synthesis approach to multinuclear heterometallic oxo clusters in polyoxometalates. <i>Chemical Communications</i> , <b>2017</b> , 53, 7533-7536	5.8	27
59	A cascade approach to hetero-pentanuclear manganese-oxide clusters in polyoxometalates and their single-molecule magnet properties. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14220-6	4.3	26
58	Selective Oxidation with Aqueous Hydrogen Peroxide by [PO <sub>4</sub> {WO(O <sub>2</sub> ) <sub>2</sub> ] <sub>4</sub> ] <sub>3</sub> Supported on Zinc-Modified Tin Dioxide. <i>ChemCatChem</i> , <b>2015</b> , 7, 1097-1104	5.2	26

57	Hydrogen Evolution Using the Visible-light-induced Metal-to-polyoxometalate Multiple Electron Transfer. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1429-1431	1.7	25
56	Synthesis and reversible transformation of Cu(n)-bridged (n = 1, 2, or 4) silicodectungstate dimers. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 11574-81	5.1	25
55	An Ultrastable, Small {Ag} Nanocluster within a Triangular Hollow Polyoxometalate Framework. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16361-16365	16.4	24
54	Synthesis, structure characterization, and reversible transformation of a cobalt salt of a dilacunary Keggin silicotungstate and sandwich-type di- and tetracobalt-containing silicotungstate dimers. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8644-52	5.1	23
53	Alkoxides of Trivacant Lacunary Polyoxometalates. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14213-14220	4.8	23
52	Aerobic Oxygenation of Alkylarenes over Ultrafine Transition-Metal-Containing Manganese-Based Oxides. <i>ChemCatChem</i> , <b>2018</b> , 10, 1096-1106	5.2	19
51	CuCl/TMEDA/nor-AZADO-catalyzed aerobic oxidative acylation of amides with alcohols to produce imides. <i>Chemical Science</i> , <b>2018</b> , 9, 4756-4768	9.4	19
50	Release and catch catalysis by tungstate species for the oxidative cleavage of olefins. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1662-1670	5.5	18
49	Regioselective direct oxidative C-H cyanation of quinoline and its derivatives catalyzed by vanadium-containing heteropoly acids. <i>Chemical Communications</i> , <b>2015</b> , 51, 10034-7	5.8	18
48	Synthesis and oxidation catalysis of a Ti-substituted phosphotungstate, and identification of the active oxygen species. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 4778-4789	5.5	18
47	Visible-light-responsive multielectron redox catalysis of lacunary polyoxometalates induced by substrate coordination to their lacuna. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 144-8	4.5	18
46	Three-Dimensional Ordered Arrays of 585858 B Hollow Frameworks in Ionic Crystals of M2Zn2-Substituted Polyoxometalates. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1629-1633	3.6	18
45	Selectivity switch in the aerobic oxygenation of sulfides photocatalysed by visible-light-responsive decavanadate. <i>Green Chemistry</i> , <b>2020</b> , 22, 3896-3905	10	18
44	Composites of [H2PV2W10O40]3- and [SiW12O40]4- supported on Fe2O3 as heterogeneous catalysts for selective oxidation with aqueous hydrogen peroxide. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 2602-2611	5.5	15
43	Synthesis of a Bridging Ligand with a Non-denatured Protein Pendant: Toward Protein Encapsulation in a Coordination Cage. <i>Chemistry Letters</i> , <b>2012</b> , 41, 313-315	1.7	15
42	Water- and Temperature-Triggered Reversible Structural Transformation of Tetranuclear Cobalt(II) Cores Sandwiched by Polyoxometalates. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 3962-6	4.8	15
41	Phosphovanadomolybdic acid catalyzed direct C-H trifluoromethylation of (hetero)arenes using NaSO2CF3 as the CF3 source and O2 as the terminal oxidant. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1417-1420	3.6	14
40	Visible-light-responsive catalysis of a zinc-introduced lacunary disilicoicosatungstate for the deoxygenation of pyridine N-oxides. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13226-13229	3.6	14

39	Selective Deoxygenation of Pyridine N-Oxides through Photoredox Catalysis of a Dilacunary Silicotungstate. <i>ChemistrySelect</i> , <b>2016</b> , 1, 5042-5048	1.8	14
38	Hexanuclear tin(ii) and mixed valence tin(ii,iv) oxide clusters within polyoxometalates. <i>Chemical Communications</i> , <b>2016</b> , 52, 10688-91	5.8	14
37	Effect of Heteroatoms on Field-Induced Slow Magnetic Relaxation of Mononuclear Fe ( S = 5/2) Ions within Polyoxometalates. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6957-6964	5.1	13
36	Synthesis and Disassembly/Reassembly of Giant Ring-Shaped Polyoxotungstate Oligomers. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9782-9785	3.6	12
35	Creation of bismuth-tungsten oxide nanoclusters using lacunary polyoxometalates. <i>Dalton Transactions</i> , <b>2017</b> , 46, 7384-7387	4.3	11
34	Platinum-supporting hollandite-type vanadiumchromium mixed oxides as efficient heterogeneous catalysts for deoxygenation of sulfoxides under atmospheric H <sub>2</sub> pressure. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1912-1920	5.5	11
33	Synthesis and structural characterization of BINOL-modified chiral polyoxometalates. <i>Dalton Transactions</i> , <b>2015</b> , 44, 10947-51	4.3	11
32	Incarceration of (PdO) <sub>n</sub> and Pd <sub>n</sub> Clusters by Cage-Templated Synthesis of Hollow Silica Nanoparticles. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 5995-5998	3.6	11
31	The Precise Synthesis and Growth of CoreShell Nanoparticles within a Self-Assembled Spherical Template. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 4960-4963	3.6	11
30	Discrete and Well-Defined Hydrophobic Phases Confined in Self-Assembled Spherical Complexes. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5864-5866	3.6	11
29	Methyl-Selective Deoxygenation of Tertiary Amines to Formamides by Employing Copper/Moderately Hindered Nitroxyl Radical (DMN-AZADO or 1-Me-AZADO). <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16651-16659	16.4	10
28	Phosphovanadomolybdic acid catalyzed desulfurizationdeoxygenation of secondary and tertiary thioamides into amides using molecular oxygen as the terminal oxidant. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 4865-4869	3.6	10
27	Synthesis of ultrasmall Li-Mn spinel oxides exhibiting unusual ion exchange, electrochemical, and catalytic properties. <i>Scientific Reports</i> , <b>2015</b> , 5, 15011	4.9	9
26	An Ultrastable, Small {Ag <sub>7</sub> } <sup>5+</sup> Nanocluster within a Triangular Hollow Polyoxometalate Framework. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16503-16507	3.6	9
25	Hexavacant Dawson-type phosphotungstates supporting an edge-sharing bis(square-pyramidal) {OM(ED)(EDAc)MO} core (M = Mn, Co, Ni, Cu, or Zn). <i>Dalton Transactions</i> , <b>2019</b> , 48, 7281-7289	4.3	9
24	Ligand-Directed Approach in Polyoxometalate Synthesis: Formation of a New Divacant Lacunary Polyoxomolybdate [EPMo O]. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6960-6964	16.4	9
23	Ring-Shaped Polyoxometalates Possessing Multiple 3d Metal Cation Sites: [{M(OH)} <sub>2</sub> {M(OH)} <sub>2</sub> PWO(OCH)] (M = Mn, Co, Ni, Cu, Zn). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7722-7729	5.1	8
22	Synthesis of N-Acylsulfenamides through Aerobic Cross Dehydrogenative Coupling of Thiols and Amides by Supported Copper Hydroxide Catalyst. <i>Chemistry Letters</i> , <b>2016</b> , 45, 173-175	1.7	8

21	Synthesis, Structural Characterization, and Oxidation Catalysis of a Diniobium-substituted Silicododecatungstate. <i>Chemistry Letters</i> , <b>2015</b> , 44, 899-901	1.7	7
20	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> , <b>2021</b> , 60, 16994-16998	16.4	7
19	A protecting group strategy to access stable lacunary polyoxomolybdates for introducing multinuclear metal clusters. <i>Chemical Science</i> , <b>2021</b> , 12, 1240-1244	9.4	7
18	Photoredox Catalysis of Visible-light-responsive Divacant Lacunary Silicotungstate for Selective Reduction of Aldehydes. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1379-1382	1.7	6
17	Porous Cubic Cesium Salts of Silicododecatungstate(molybdate)/Borododecatungstate Blends: Synthesis and Molecular Adsorption Properties. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 8821-8830	5.1	6
16	Rational Low-Temperature Synthesis of Ultrasmall Nanocrystalline Manganese Binary Oxide Catalysts under Controlled Metal Cation Hydration in Organic Media. <i>ChemNanoMat</i> , <b>2016</b> , 2, 297-306	3.5	4
15	Robotic Stepwise Synthesis of Hetero-Multinuclear Metal Oxo Clusters as Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 12809-12816	16.4	4
14	Exploring orientationally aligned anisotropic large spin molecules with unusual long-distance intermolecular ferromagnetic interactions. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 12918-12925	7.1	3
13	Methyl-Selective $\alpha$ -Oxygenation of Tertiary Amines to Formamides by Employing Copper/Moderately Hindered Nitroxyl Radical (DMN-AZADO or 1-Me-AZADO). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16804-16812	3.6	3
12	Thermal Treatment of a Keggin-Type Diplatinum(II)-Coordinated Polyoxotungstate: Formation of Hydrophilic Colloidal Particles and Photocatalytic Hydrogen Production. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 3917-3924	2.3	2
11	Heterogeneously Ni-Pd nanoparticle-catalyzed base-free formal C-S bond metathesis of thiols. <i>Chemical Communications</i> , <b>2021</b> , 57, 3749-3752	5.8	2
10	New Strategy for Precise Synthesis of Polyoxometalate Catalysts with Designed Active Sites. <i>Journal of the Japan Petroleum Institute</i> , <b>2020</b> , 63, 258-266	1	1
9	A Molecular Hybrid of an Atomically Precise Silver Nanocluster and Polyoxometalates for H <sub>2</sub> Cleavage into Protons and Electrons. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17131-17135	3.6	1
8	Organozirconium Complex with Keggin-Type Mono-Aluminum-Substituted Silicotungstate: Synthesis, Molecular Structure, and Catalytic Performance for Meerwein-Ponndorf-Verley Reduction. <i>Catalysis Letters</i> , <b>2016</b> , 146, 2119-2128	2.8	1
7	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> , <b>2021</b> , 57, 7882-7885	5.8	1
6	Supersilyl as an effective monodentate ligand to stabilize four-coordinate manganese(II) complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17537-17541	4.3	0
5	Ligand-Directed Approach in Polyoxometalate Synthesis: Formation of a New Divacant Lacunary Polyoxomolybdate [EPMo <sub>10</sub> O <sub>36</sub> ]7 $\square$ . <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7036-7040	3.6	0
4	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> , <b>2022</b> , 121420	21.8	0

- 3 Precise Design of Polyoxometalates and their Application to Photocatalyst. *Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry*, **2022**, 80, 149-157 0.2
- 2 Titelbild: An Ultrastable, Small {Ag<sub>7</sub>}<sup>5+</sup> Nanocluster within a Triangular Hollow Polyoxometalate Framework (Angew. Chem. 38/2020). *Angewandte Chemie*, **2020**, 132, 16389 3.6
- 1 Innenrücktitelbild: Ligand-Directed Approach in Polyoxometalate Synthesis: Formation of a New Divacant Lacunary Polyoxomolybdate [PMo<sub>10</sub>O<sub>36</sub>]7<sup>-</sup> (Angew. Chem. 13/2021). *Angewandte Chemie*, **2021**, 133, 7523-7523 3.6