Yuji Kikukawa

List of Publications by Year
in descending order

41	1,555	361413 20	302126 39
papers	citations	h-index	g-index

57	57	57	1304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visibleâ€Lightâ€Induced Photoredox Catalysis with a Tetraceriumâ€Containing Silicotungstate. Angewandte Chemie - International Edition, 2014, 53, 5356-5360.	13.8	142
2	Diamondâ€Shaped [Ag₄]⁴⁺ Cluster Encapsulated by Silicotungstate Ligands: Synthesis and Catalysis of Hydrolytic Oxidation of Silanes. Angewandte Chemie - International Edition, 2012, 51, 2434-2437.	13.8	122
3	Synthesis and Catalysis of Di- and Tetranuclear Metal Sandwich-Type Silicotungstates [(Î³-SiW₁₀O₃₆)₂M₂(Î¼-OH)₂]^{10â^'}and [(Î³-SiW₁₀O₃₆)₂M₄(Î¼₄-O)(Î¼-OH)₆]^{8â^'}	13.7	121
4	Cyanosilylation of Carbonyl Compounds with Trimethylsilyl Cyanide Catalyzed by an Yttriumâ€Pillared Silicotungstate Dimer. Angewandte Chemie - International Edition, 2012, 51, 3686-3690.	13.8	112
5	Zinc(II) Containing Î³â€Keggin Sandwichâ€Type Silicotungstate: Synthesis in Organic Media and Oxidation Catalysis. Angewandte Chemie - International Edition, 2010, 49, 6096-6100.	13.8	108
6	Strategic Design and Refinement of Lewis Acidâ€“Base Catalysis by Rare-Earth-Metal-Containing Polyoxometalates. Inorganic Chemistry, 2012, 51, 6953-6961.	4.0	101
7	Synthesis of a Dialuminum-Substituted Silicotungstate and the Diastereoselective Cyclization of Citronellal Derivatives. Journal of the American Chemical Society, 2008, 130, 15872-15878.	13.7	99
8	A discrete octahedrally shaped [Ag₆]⁴⁺cluster encapsulated within silicotungstate ligands. Chemical Communications, 2013, 49, 376-378.	4.1	76
9	Threeâ€Dimensional Ordered Arrays of 58Ã—58Ã—58â€…Ã…³ Hollow Frameworks in Ionic Crystals of M₂Zn₂â€Substituted Polyoxometalates. Angewandte Chemie - International Edition, 2012, 51, 1597-1601.	13.8	69
10	Culture and Leukocyte Adhesion Assay of Human Arterial Endothelial Cells in a Glass Microchip. Analytical Sciences, 2007, 23, 261-266.	1.6	53
11	Synthesis and Structural Characterization of a Î³-Keggin-Type Dimeric Silicotungstate with a Bis(Î¼-hydroxo) Dizirconium Core [(Î³-SiW₁₀O₃₆)₂Zr₂(Î¼-OH)₂]¹⁰ Inorganic Chemistry, 2007, 46, 8502-8504.	4.0	36
12	Sandwich-Type Zinc-Containing Polyoxometalates with a Hexaprismane Core [{Zn₂W(O)O₃}₂]⁴⁺Synthesized by Thermally Induced Isomerization of a Metastable Polyoxometalate. Inorganic Chemistry, 2010, 49, 8194-8196.	4.0	31
13	Synthesis and oxidation catalysis of a Ti-substituted phosphotungstate, and identification of the active oxygen species. Catalysis Science and Technology, 2015, 5, 4778-4789.	4.1	27
14	Synthesis, Structure Characterization, and Reversible Transformation of a Cobalt Salt of a Dilacunary Î³-Keggin Silicotungstate and Sandwich-Type Di- and Tetracobalt-Containing Silicotungstate Dimers. Inorganic Chemistry, 2013, 52, 8644-8652.	4.0	26
15	Hydrogen Evolution Using the Visible-light-induced Metal-to-polyoxometalate Multiple Electron Transfer. Chemistry Letters, 2014, 43, 1429-1431.	1.3	25
16	Ultrahigh Proton Conduction via Extended Hydrogen-Bonding Network in a Preyssler-Type Polyoxometalate-Based Framework Functionalized with a Lanthanide Ion. ACS Applied Materials & Interfaces, 2021, 13, 19138-19147.	8.0	25
17	A Bowl-Type Dodecavanadate as a Halide Receptor. ACS Omega, 2017, 2, 268-275.	3.5	22
18	A chloride capturing system via proton-induced structure transformation between opened- and closed-forms of dodecavanadates. Dalton Transactions, 2016, 45, 7563-7569.	3.3	21

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19	Smallâ€Molecule Anion Recognition by a Shapeâ€Responsive Bowlâ€Type Dodecavanadate. Chemistry - an Asian Journal, 2017, 12, 1909-1914.	3.3	19
20	Synthesis and characterization of fluoride-incorporated polyoxovanadates. Journal of Inorganic Biochemistry, 2015, 147, 221-226.	3.5	18
21	Solidâ€State Umbrellaâ€type Inversion of a VO 5 Squareâ€Pyramidal Unit in a Bowlâ€type Dodecavanadate Induced by Insertion and Elimination of a Guest Molecule. Angewandte Chemie - International Edition, 2018, 57, 16051-16055.	13.8	18
22	Waterâ€•and Temperatureâ€Triggered Reversible Structural Transformation of Tetranuclear Cobalt(II) Cores Sandwiched by Polyoxometalates. Chemistry - A European Journal, 2016, 22, 3962-3966.	3.3	17
23	Incorporating highly basic polyoxometalate anions comprising Nb or Ta into nanoscale reaction fields of porous ionic crystals. Nanoscale, 2021, 13, 18451-18457.	5.6	17
24	Layered Assemblies of a Dialuminum-Substituted Silicotungstate Trimer and the Reversible Interlayer Cation-Exchange Properties. Inorganic Chemistry, 2011, 50, 12411-12413.	4.0	14
25	Structure Transformation among Deca-, Dodeca- and Tridecavanadates and Their Properties for Thioanisole Oxidation. Inorganics, 2015, 3, 295-308.	2.7	13
26	Induced Fitting and Polarization of a Bromine Molecule in an Electrophilic Inorganic Molecular Cavity and Its Bromination Reactivity. Angewandte Chemie - International Edition, 2020, 59, 14399-14403.	13.8	9
27	A highly-flexible cyclic-decavanadate ligand for interconversion of dinuclear- and trinuclear-cobalt(<scp>ii</scp>) and manganese(<scp>ii</scp>) cores. RSC Advances, 2017, 7, 37666-37674.	3.6	8
28	Synthesis and structural characterization of tube-type tetradecavanadates. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1295-1299.	0.5	8
29	Redox active mixed-valence hexamanganese double-cubane complexes supported by tetravanadates. New Journal of Chemistry, 2019, 43, 17703-17710.	2.8	7
30	Isostructural mesoporous ionic crystals as a tunable platform for acid catalysis. Dalton Transactions, 2020, 49, 10328-10333.	3.3	7
31	Synthesis and Structural Characterization of Trimanganese-Containing Polyoxovanadates with Carboxylate Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 596-599.	2.0	6
32	Solidâ€State Umbrellaâ€type Inversion of a VO 5 Squareâ€Pyramidal Unit in a Bowlâ€type Dodecavanadate Induced by Insertion and Elimination of a Guest Molecule. Angewandte Chemie, 2018, 130, 16283-16287.	2.0	6
33	Yttrium-Containing Sandwich-, Ring-, and Cage-Type Polyoxovanadates: Synthesis and Characterization. European Journal of Inorganic Chemistry, 2019, 2019, 529-533.	2.0	6
34	Induced Fitting and Polarization of a Bromine Molecule in an Electrophilic Inorganic Molecular Cavity and Its Bromination Reactivity. Angewandte Chemie, 2020, 132, 14505-14509.	2.0	5
35	Synthesis and Characterization of a Palladium-supported Fluoride-incorporated Dodecavanadate. Chemistry Letters, 2017, 46, 1406-1408.	1.3	4
36	Synthesis and oxidation catalysis of a difluoride-incorporated polyoxovanadate and isolation of active vanadium alkylperoxo species. Catalysis Science and Technology, 2022, 12, 2438-2445.	4.1	4

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37	Basicity of isostructural porous ionic crystals composed of Nb/Ta-substituted Keggin-type polyoxotungstates. Dalton Transactions, 2022, 51, 8186-8191.	3.3	4
38	Evaluation of the chemo- and shape-selective association of a bowl-type dodecavanadate cage with an electron-rich group. Dalton Transactions, 2019, 48, 7138-7143.	3.3	3
39	Isolation of a Nitromethane Anion in the Calix-Shaped Inorganic Cage. Molecules, 2020, 25, 5670.	3.8	3
40	Synthesis of cyanooxovanadate and cyanosilylation of ketones. RSC Advances, 2021, 11, 31688-31692.	3.6	2
41	Structure of Materials Based on Metal Elements and Development of Functional Materials. Nihon Kessho Gakkaishi, 2020, 62, 74-75.	0.0	0