

# Yuji Kikukawa

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,555  
citations

361413

20  
h-index

302126

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and oxidation catalysis of a difluoride-incorporated polyoxovanadate and isolation of active vanadium alkylperoxy species. <i>Catalysis Science and Technology</i> , 2022, 12, 2438-2445.	4.1	4
2	Basicity of isostructural porous ionic crystals composed of Nb/Ta-substituted Keggin-type polyoxotungstates. <i>Dalton Transactions</i> , 2022, 51, 8186-8191.	3.3	4
3	Synthesis of cyanooxovanadate and cyanosilylation of ketones. <i>RSC Advances</i> , 2021, 11, 31688-31692.	3.6	2
4	Ultrahigh Proton Conduction via Extended Hydrogen-Bonding Network in a Preyssler-Type Polyoxometalate-Based Framework Functionalized with a Lanthanide Ion. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19138-19147.	8.0	25
5	Incorporating highly basic polyoxometalate anions comprising Nb or Ta into nanoscale reaction fields of porous ionic crystals. <i>Nanoscale</i> , 2021, 13, 18451-18457.	5.6	17
6	Isolation of a Nitromethane Anion in the Calix-Shaped Inorganic Cage. <i>Molecules</i> , 2020, 25, 5670.	3.8	3
7	Isostructural mesoporous ionic crystals as a tunable platform for acid catalysis. <i>Dalton Transactions</i> , 2020, 49, 10328-10333.	3.3	7
8	Induced Fitting and Polarization of a Bromine Molecule in an Electrophilic Inorganic Molecular Cavity and Its Bromination Reactivity. <i>Angewandte Chemie</i> , 2020, 132, 14505-14509.	2.0	5
9	Induced Fitting and Polarization of a Bromine Molecule in an Electrophilic Inorganic Molecular Cavity and Its Bromination Reactivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14399-14403.	13.8	9
10	Structure of Materials Based on Metal Elements and Development of Functional Materials. <i>Nihon Kessho Gakkaishi</i> , 2020, 62, 74-75.	0.0	0
11	Yttrium-Containing Sandwich-, Ring-, and Cage-Type Polyoxovanadates: Synthesis and Characterization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 529-533.	2.0	6
12	Redox active mixed-valence hexamanganese double-cubane complexes supported by tetravanadates. <i>New Journal of Chemistry</i> , 2019, 43, 17703-17710.	2.8	7
13	Evaluation of the chemo- and shape-selective association of a bowl-type dodecavanadate cage with an electron-rich group. <i>Dalton Transactions</i> , 2019, 48, 7138-7143.	3.3	3
14	Synthesis and structural characterization of tube-type tetradecavanadates. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1295-1299.	0.5	8
15	Solid-State Umbrella-Type Inversion of a VO <sub>5</sub> Square-Pyramidal Unit in a Bowl-Type Dodecavanadate Induced by Insertion and Elimination of a Guest Molecule. <i>Angewandte Chemie</i> , 2018, 130, 16283-16287.	2.0	6
16	Solid-State Umbrella-Type Inversion of a VO <sub>5</sub> Square-Pyramidal Unit in a Bowl-Type Dodecavanadate Induced by Insertion and Elimination of a Guest Molecule. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16051-16055.	13.8	18
17	Small-Molecule Anion Recognition by a Shape-Responsive Bowl-Type Dodecavanadate. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1909-1914.	3.3	19
18	A Bowl-Type Dodecavanadate as a Halide Receptor. <i>ACS Omega</i> , 2017, 2, 268-275.	3.5	22

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19	Synthesis and Structural Characterization of Trimanganese-Containing Polyoxovanadates with Carboxylate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 596-599.	2.0	6
20	A highly-flexible cyclic-decavanadate ligand for interconversion of dinuclear- and trinuclear-cobalt( $\text{Co}^{\text{II}}$ ) and manganese( $\text{Mn}^{\text{II}}$ ) cores. <i>RSC Advances</i> , 2017, 7, 37666-37674.	3.6	8
21	Synthesis and Characterization of a Palladium-supported Fluoride-incorporated Dodecavanadate. <i>Chemistry Letters</i> , 2017, 46, 1406-1408.	1.3	4
22	Water- and Temperature-Triggered Reversible Structural Transformation of Tetranuclear Cobalt(II) Cores Sandwiched by Polyoxometalates. <i>Chemistry - A European Journal</i> , 2016, 22, 3962-3966.	3.3	17
23	A chloride capturing system via proton-induced structure transformation between opened- and closed-forms of dodecavanadates. <i>Dalton Transactions</i> , 2016, 45, 7563-7569.	3.3	21
24	Structure Transformation among Deca-, Dodeca- and Tridecavanadates and Their Properties for Thioanisole Oxidation. <i>Inorganics</i> , 2015, 3, 295-308.	2.7	13
25	Synthesis and characterization of fluoride-incorporated polyoxovanadates. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 221-226.	3.5	18
26	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.	4.1	27
27	Visible-Light-Induced Photoredox Catalysis with a Tetracerium-Containing Silicotungstate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5356-5360.	13.8	142
28	Hydrogen Evolution Using the Visible-light-induced Metal-to-polyoxometalate Multiple Electron Transfer. <i>Chemistry Letters</i> , 2014, 43, 1429-1431.	1.3	25
29	Synthesis, Structure Characterization, and Reversible Transformation of a Cobalt Salt of a Dilacunary $\text{I}^{\text{III}}$ -Keggin Silicotungstate and Sandwich-Type Di- and Tetracobalt-Containing Silicotungstate Dimers. <i>Inorganic Chemistry</i> , 2013, 52, 8644-8652.	4.0	26
30	A discrete octahedrally shaped $[\text{Ag}_6]^{4+}$ cluster encapsulated within silicotungstate ligands. <i>Chemical Communications</i> , 2013, 49, 376-378.	4.1	76
31	Strategic Design and Refinement of Lewis Acid-Base Catalysis by Rare-Earth-Metal-Containing Polyoxometalates. <i>Inorganic Chemistry</i> , 2012, 51, 6953-6961.	4.0	101
32	Cyanosilylation of Carbonyl Compounds with Trimethylsilyl Cyanide Catalyzed by an Yttrium-Pillared Silicotungstate Dimer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3686-3690.	13.8	112
33	Three-Dimensional Ordered Arrays of $58\text{\AA} \times 58\text{\AA} \times 58\text{\AA}$ Hollow Frameworks in Ionic Crystals of $\text{M}_2\text{Zn}_2$ -Substituted Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1597-1601.	13.8	69
34	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.	13.8	122
35	Layered Assemblies of a Dialuminum-Substituted Silicotungstate Trimer and the Reversible Interlayer Cation-Exchange Properties. <i>Inorganic Chemistry</i> , 2011, 50, 12411-12413.	4.0	14
36	Zinc(II) Containing $\text{I}^{\text{III}}$ -Keggin Sandwich-Type Silicotungstate: Synthesis in Organic Media and Oxidation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6096-6100.	13.8	108

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37	Sandwich-Type Zinc-Containing Polyoxometalates with a Hexaprismane Core $[Zn_2W_3O_{12}]^{4-}$ Synthesized by Thermally Induced Isomerization of a Metastable Polyoxometalate. <i>Inorganic Chemistry</i> , 2010, 49, 8194-8196.	4.0	31
38	Synthesis and Catalysis of Di- and Tetranuclear Metal Sandwich-Type Silicotungstates $[(^3SiW_{10}O_{36})_2M_2(\mu_4-OH)_2]^{10-}$ and $[(^3SiW_{10}O_{36})_2M_4(\mu_4-O)(\mu_4-OH)_6]^{8-}$	13.7	121
39	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.	13.7	99
40	Culture and Leukocyte Adhesion Assay of Human Arterial Endothelial Cells in a Glass Microchip. <i>Analytical Sciences</i> , 2007, 23, 261-266.	1.6	53
41	Synthesis and Structural Characterization of a $\beta$ -Keggin-Type Dimeric Silicotungstate with a Bis( $\mu_4$ -hydroxo) Dizirconium Core $[(^3SiW_{10}O_{36})_2Zr_2(\mu_4-OH)_2]^{10-}$	4.0	36