Carsten Streb

List of Publications by Year
in descending order

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191	9,545	36303	45317
papers	citations	51 h-index	90 g-index

224	224	224	6881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyoxometalate-functionalized nanocarbon materials for energy conversion, energy storage and sensor systems. Energy and Environmental Science, 2015, 8, 776-789.	30.8	490
2	Beyond Charge Balance: Counterâ€Cations in Polyoxometalate Chemistry. Angewandte Chemie - International Edition, 2020, 59, 596-612.	13.8	289
3	Unveiling the Transient Template in the Self-Assembly of a Molecular Oxide Nanowheel. Science, 2010, 327, 72-74.	12.6	270
4	Face-directed self-assembly of an electronically active Archimedean polyoxometalate architecture. Nature Chemistry, 2010, 2, 308-312.	13.6	259
5	Modular Assembly of a Functional Polyoxometalateâ€Based Open Framework Constructed from Unsupported Ag^Iâ‹…â‹…â‹…Ag^I Interactions. Angewandte Chemie - International Edition, 2007, 46, 7579-7582.	13.8	248
6	Heterogeneous Catalysis by Polyoxometalates in Metalâ€“Organic Frameworks. ACS Catalysis, 2019, 9, 10174-10191.	11.2	246
7	New trends in polyoxometalate photoredox chemistry: From photosensitisation to water oxidation catalysis. Dalton Transactions, 2012, 41, 1651-1659.	3.3	242
8	Adsorption of Cytochrome C on New Mesoporous Carbon Molecular Sieves. Journal of Physical Chemistry B, 2003, 107, 8297-8299.	2.6	238
9	Cobalt Disulfide Nanoparticles Embedded in Porous Carbonaceous Micro-Polyhedrons Interlinked by Carbon Nanotubes for Superior Lithium and Sodium Storage. ACS Nano, 2018, 12, 7220-7231.	14.6	234
10	Aggregation of Giant Ceriumâ€“Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. Angewandte Chemie - International Edition, 2018, 57, 8416-8420.	13.8	221
11	Polyoxometalate â€“ conductive polymer composites for energy conversion, energy storage and nanostructured sensors. Dalton Transactions, 2015, 44, 7092-7104.	3.3	202
12	Modular Design of Nobleâ€Metalâ€Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 4644-4648.	13.8	182
13	Probing the Self-Assembly of Inorganic Cluster Architectures in Solution with Cryospray Mass Spectrometry: Growth of Polyoxomolybdate Clusters and Polymers Mediated by Silver(I) Ions. Journal of the American Chemical Society, 2008, 130, 13876-13884.	13.7	163
14	Water Purification and Microplastics Removal Using Magnetic Polyoxometalateâ€Supported Ionic Liquid Phases (magPOMâ€SILPs). Angewandte Chemie - International Edition, 2020, 59, 1601-1605.	13.8	153
15	Spontaneous assembly and real-time growth of micrometre-scale tubular structures from polyoxometalate-based inorganic solids. Nature Chemistry, 2009, 1, 47-52.	13.6	145
16	Multicomponent Selfâ€Assembly of a Giant Heterometallic Polyoxotungstate Supercluster with Antitumor Activity. Angewandte Chemie - International Edition, 2021, 60, 11153-11157.	13.8	145
17	Reversible Redox Reactions in an Extended Polyoxometalate Framework Solid. Angewandte Chemie - International Edition, 2008, 47, 6881-6884.	13.8	135
18	Visibleâ€Lightâ€Driven Water Oxidation by a Molecular Manganese Vanadium Oxide Cluster. Angewandte Chemie - International Edition, 2016, 55, 6329-6333.	13.8	132

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19	Robust Polyoxometalate/Nickel Foam Composite Electrodes for Sustained Electrochemical Oxygen Evolution at High pH. Angewandte Chemie - International Edition, 2017, 56, 4941-4944.	13.8	131
20	Highly selective electroreduction of N₂ and CO₂ to urea over artificial frustrated Lewis pairs. Energy and Environmental Science, 2021, 14, 6605-6615.	30.8	130
21	Polyoxometalates on Functional Substrates: Concepts, Synergies, and Future Perspectives. Advanced Science, 2020, 7, 1903511.	11.2	129
22	â€œWiringâ€•redox-active polyoxometalates to carbon nanotubes using a sonication-driven periodic functionalization strategy. Energy and Environmental Science, 2016, 9, 1095-1101.	30.8	128
23	Unravelling the Complexities of Polyoxometalates in Solution Using Mass Spectrometry:Â Protonation versus Heteroatom Inclusion. Journal of the American Chemical Society, 2008, 130, 1830-1832.	13.7	120
24	Engineering porosity in a chiral heteropolyoxometalate-based framework: the supramolecular effect of benzenetricarboxylic acid. Chemical Communications, 2007, , 471-473.	4.1	108
25	Removal of Multiple Contaminants from Water by Polyoxometalate Supported Ionic Liquid Phases (POMâ€SILPs). Angewandte Chemie - International Edition, 2017, 56, 1667-1670.	13.8	104
26	Molecular Growth of Polyoxometalate Architectures Based on [â^'Ag{Mo₈}Agâ^'] Synthons: Toward Designed Cluster Assemblies. Crystal Growth and Design, 2008, 8, 635-642.	3.0	94
27	Polyoxometalateâ€Ionic Liquids (POMâ€ILs) as Anticorrosion and Antibacterial Coatings for Natural Stones. Angewandte Chemie - International Edition, 2018, 57, 14926-14931.	13.8	92
28	Polyoxometalate Ionic Liquids as Selfâ€Repairing Acidâ€Resistant Corrosion Protection. Angewandte Chemie - International Edition, 2014, 53, 13596-13599.	13.8	86
29	Molecular Vanadium Oxides for Energy Conversion and Energy Storage: Current Trends and Emerging Opportunities. Angewandte Chemie - International Edition, 2021, 60, 7522-7532.	13.8	77
30	Metal substitution in a Lindqvist polyoxometalate leads to improved photocatalytic performance. Dalton Transactions, 2012, 41, 9938.	3.3	76
31	Bimetallic manganese-vanadium functionalized N,S-doped carbon nanotubes as efficient oxygen evolution and oxygen reduction electrocatalysts. Applied Catalysis B: Environmental, 2020, 277, 119195.	20.2	76
32	Covalent Attachment of Andersonâ€Type Polyoxometalates to Singleâ€Walled Carbon Nanotubes Gives Enhanced Performance Electrodes for Lithium Ion Batteries. Chemistry - A European Journal, 2015, 21, 6469-6474.	3.3	75
33	Challenges in polyoxometalate-mediated aerobic oxidation catalysis: catalyst development meets reactor design. Dalton Transactions, 2016, 45, 16716-16726.	3.3	75
34	Photochemical and electrochemical hydrogen evolution reactivity of lanthanide-functionalized polyoxotungstates. Chemical Communications, 2018, 54, 10427-10430.	4.1	75
35	Supramolecular Silver Polyoxometalate Architectures Direct the Growth of Composite Semiconducting Nanostructures. Angewandte Chemie - International Edition, 2009, 48, 6490-6493.	13.8	74
36	Chemical and Photochemical Functionality of the First Molecular Bismuth Vanadium Oxide. Chemistry - A European Journal, 2012, 18, 10949-10953.	3.3	74

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37	pH and thermal dual-responsive poly(NIPAM-co-GMA)-coated magnetic nanoparticles via surface-initiated RAFT polymerization for controlled drug delivery. Materials Science and Engineering C, 2020, 108, 110418.	7.3	73
38	A Molecular Placeholder Strategy To Access a Family of Transitionâ€Metalâ€Functionalized Vanadium Oxide Clusters. Chemistry - A European Journal, 2014, 20, 12269-12273.	3.3	72
39	Heteroatom-Controlled Kinetics of Switchable Polyoxometalate Frameworks. Journal of the American Chemical Society, 2009, 131, 4180-4181.	13.7	69
40	A photosensitizerâ€“polyoxometalate dyad that enables the decoupling of light and dark reactions for delayed on-demand solar hydrogen production. Nature Chemistry, 2022, 14, 321-327.	13.6	66
41	Manganese Vanadium Oxideâ€“N-Doped Reduced Graphene Oxide Composites as Oxygen Reduction and Oxygen Evolution Electrocatalysts. ACS Applied Materials & Interfaces, 2018, 10, 44511-44517.	8.0	62
42	â€œBottom-Upâ€•Meets â€œTop-Downâ€•Assembly in Nanoscale Polyoxometalate Clusters: Self-Assembly of [P₄W₅₂O₁₇₈]^{24â^'}and Disassembly to [P₃W₃₉O₁₃₄]^{19â^'}. Journal of the American Chemical Society, 2008, 130, 14946-14947.	13.7	61
43	Tuning the light absorption of a molecular vanadium oxide system for enhanced photooxidation performance. Chemical Communications, 2011, 47, 3114.	4.1	61
44	Influence of organic amines on the self-assembly of hybrid polyoxo-molybdenum(v) phosphate frameworks. CrystEngComm, 2006, 8, 629.	2.6	60
45	Oxidation of indole using chloroperoxidase and glucose oxidase immobilized on SBA-15 as tandem biocatalyst. Microporous and Mesoporous Materials, 2008, 113, 523-529.	4.4	57
46	Oxidation-driven self-assembly gives access to high-nuclearity molecular copper vanadium oxide clusters. Chemical Science, 2013, 4, 418-424.	7.4	57
47	Pyreneâ€Andersonâ€Modified CNTs as Anode Materials for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 18799-18804.	3.3	57
48	Polyoxometalateâ€Single Atom Catalysts (POMâ€SACs) in Energy Research and Catalysis. Advanced Energy Materials, 2021, 11, 2101120.	19.5	57
49	Polyoxometalateâ€Based Bottomâ€Up Fabrication of Graphene Quantum Dot/Manganese Vanadate Composites as Lithium Ion Battery Anodes. Chemistry - A European Journal, 2017, 23, 16637-16643.	3.3	56
50	Chirality meets visible-light photocatalysis in a molecular cerium vanadium oxide cluster. Chemical Communications, 2014, 50, 1827.	4.1	55
51	Controlled Reactivity Tuning of Metalâ€Functionalized Vanadium Oxide Clusters. Chemistry - A European Journal, 2015, 21, 7686-7689.	3.3	53
52	Modular Inorganic Polyoxometalate Frameworks Showing Emergent Properties: Redox Alloys. Angewandte Chemie - International Edition, 2010, 49, 6984-6988.	13.8	52
53	A New Class of Homogeneous Visibleâ€Light Photocatalysts: Molecular Cerium Vanadium Oxide Clusters. Chemistry - A European Journal, 2014, 20, 9733-9738.	3.3	52
54	Hydrogen evolution catalysis by molybdenum sulfides (MoS_x): are thiomolybdate clusters like [Mo₃S₁₃]^{2â^'} suitable active site models?. Sustainable Energy and Fuels, 2018, 2, 1893-1904.	4.9	51

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55	Enhanced Capacitive Energy Storage in Polyoxometalateâ€Doped Polypyrrole. Advanced Functional Materials, 2017, 27, 1700881.	14.9	50
56	Experimental and Theoretical Investigation of the Lightâ€Driven Hydrogen Evolution by Polyoxometalateâ€“Photosensitizer Dyads. Chemistry - A European Journal, 2017, 23, 15370-15376.	3.3	50
57	High Protonâ€Conductivity in Covalently Linked Polyoxometalateâ€Organoboronic Acidâ€Polymers. Angewandte Chemie - International Edition, 2021, 60, 16953-16957.	13.8	50
58	Covalent Photosensitizerâ€“Polyoxometalateâ€Catalyst Dyads for Visibleâ€Lightâ€Driven Hydrogen Evolution. Chemistry - A European Journal, 2016, 22, 12002-12005.	3.3	49
59	Understanding homogeneous hydrogen evolution reactivity and deactivation pathways of molecular molybdenum sulfide catalysts. Sustainable Energy and Fuels, 2018, 2, 1020-1026.	4.9	49
60	Covalent Anchoring of Chloroperoxidase and Glucose Oxidase on the Mesoporous Molecular Sieve SBA-15. International Journal of Molecular Sciences, 2010, 11, 762-778.	4.1	48
61	The Reactivity and Stability of Polyoxometalate Water Oxidation Electrocatalysts. Molecules, 2020, 25, 157.	3.8	47
62	Water Exchange Reactivity and Stability of Cobalt Polyoxometalates under Catalytically Relevant pH Conditions: Insight into Water Oxidation Catalysis. Inorganic Chemistry, 2011, 50, 9053-9058.	4.0	46
63	Stabilization of Lowâ€Valent Iron(I) in a Highâ€Valent Vanadium(V) Oxide Cluster. Angewandte Chemie - International Edition, 2017, 56, 14749-14752.	13.8	45
64	Inorganic crown: the hostâ€“guest chemistry of a high nuclearity â€˜Celtic-ringâ€™ isopolyoxotungstate [H12W36O120]12â^'. Dalton Transactions, 2006, , 2852-2860.	3.3	44
65	An unprecedented silver-decavanadate dimer investigated using ion-mobility mass spectrometry. Chemical Communications, 2012, 48, 359-361.	4.1	44
66	Templateâ€Dependent Photochemical Reactivity of Molecular Metal Oxides. Chemistry - A European Journal, 2015, 21, 8716-8719.	3.3	44
67	Polyoxometalate-Based Frameworks as Adsorbents for Drug of Abuse Extraction from Hair Samples. Inorganic Chemistry, 2021, 60, 1472-1479.	4.0	44
68	Silver Linked Polyoxometalate Open Frameworks (Ag-POMOFs) for the Directed Fabrication of Silver Nanomaterials. Crystal Growth and Design, 2011, 11, 2471-2478.	3.0	43
69	Assembly of Pure Silverâ€Tungstenâ€Oxide Frameworks from Nanostructured Solution Processable Clusters and Their Evolution into Materials with a Metallic Component. Advanced Materials, 2010, 22, 4275-4279.	21.0	41
70	Antimicrobial Activity of Polyoxometalate Ionic Liquids against Clinically Relevant Pathogens. ChemPlusChem, 2017, 82, 867-871.	2.8	41
71	Photoinduced Charge Accumulation and Prolonged Multielectron Storage for the Separation of Light and Dark Reaction. Journal of the American Chemical Society, 2020, 142, 15722-15728.	13.7	40
72	Jenseits von Ladungsausgleich: Gegenkationen in der Polyoxometallatâ€Chemie. Angewandte Chemie, 2020, 132, 606-623.	2.0	37

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73	Organoboronâ€Functionalization Enables the Hierarchical Assembly of Giant Polyoxometalate Nanocapsules. Angewandte Chemie - International Edition, 2020, 59, 8537-8540.	13.8	37
74	Hybrid Hostâ€“Guest Complexes: Directing the Supramolecular Structure through Secondary Hostâ€“Guest Interactions. Chemistry - A European Journal, 2008, 14, 8861-8868.	3.3	36
75	Influence of the doping ratio and the carbon coating content on the electrochemical performance of Co-doped SnO2 for lithium-ion anodes. Electrochimica Acta, 2018, 277, 100-109.	5.2	36
76	Alkoxy-functionalized ionic liquid electrolytes: understanding ionic coordination of calcium ion speciation for the rational design of calcium electrolytes. Energy and Environmental Science, 2020, 13, 2559-2569.	30.8	36
77	Selective oxidation of indole by chloroperoxidase immobilized on the mesoporous molecular sieve SBA-15. Journal of Porous Materials, 2006, 13, 347-352.	2.6	34
78	POLYOXOMETALATE-IONIC LIQUIDS (POM-ILs)â€“THE ULTIMATE SOFT POLYOXOMETALATES? A CRITICAL PERSPECTIVE. Journal of Molecular and Engineering Materials, 2014, 02, 1440001.	1.8	34
79	Lichtinduzierte Wasseroxidation durch ein molekulares Manganvanadiumoxid. Angewandte Chemie, 2016, 128, 6437-6441.	2.0	33
80	Bottomâ€up Design of Bimetallic Cobaltâ€“Molybdenum Carbides/Oxides for Overall Water Splitting. Chemistry - A European Journal, 2020, 26, 4157-4164.	3.3	33
81	Self-assembly of a tetrahedral 58-nuclear barium vanadium oxide cluster. Chemical Communications, 2013, 49, 140-142.	4.1	32
82	Comparative Evaluation of Lightâ€Driven Catalysis: A Framework for Standardized Reporting of Data**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	32
83	Photocatalytic reactivity tuning by heterometal and addenda metal variation in Lindqvist polyoxometalates. Dalton Transactions, 2014, 43, 17029-17033.	3.3	30
84	Generation of a stable supramolecular hydrogen evolving photocatalyst by alteration of the catalytic center. Dalton Transactions, 2016, 45, 6612-6618.	3.3	30
85	Aggregation of Giant Ceriumâ€“Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. Angewandte Chemie, 2018, 130, 8552-8556.	2.0	30
86	Homogeneous visible light-driven hydrogen evolution by the molecular molybdenum sulfide model [Mo₂S₁₂]^{2â^’}. Sustainable Energy and Fuels, 2019, 3, 92-95.	4.9	29
87	Transitionâ€Metal Oxides/Carbides@Carbon Nanotube Composites as Multifunctional Electrocatalysts for Challenging Oxidations and Reductions. Chemistry - A European Journal, 2019, 25, 11098-11104.	3.3	28
88	Solution and solid-state interactions in a supramolecular ruthenium photosensitizerâ€“polyoxometalate aggregate. Chemical Communications, 2011, 47, 6852.	4.1	27
89	POMbranes: polyoxometalate-functionalized block copolymer membranes for oxidation catalysis. Journal of Materials Chemistry A, 2017, 5, 15789-15796.	10.3	26
90	Supramolecular activation of a molecular photocatalyst. Dalton Transactions, 2014, 43, 13307-13315.	3.3	25

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91	Multi-phase real-time monitoring of oxygen evolution enables in operando water oxidation catalysis studies. Sustainable Energy and Fuels, 2018, 2, 1974-1978.	4.9	25
92	Redox-inactive ions control the redox-activity of molecular vanadium oxides. Chemical Science, 2020, 11, 4450-4455.	7.4	25
93	Self-Activation of a Polyoxometalate-Derived Composite Electrocatalyst for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 12671-12676.	5.1	25
94	Synthesis and Theoretical Hirshfeld Analysis of a Supramolecular Heteropolyoxovanadate Architecture. European Journal of Inorganic Chemistry, 2011, 2011, 1719-1724.	2.0	24
95	Self-assembled polyoxometalateâ€“dendrimer structures for selective photocatalysis. Nanoscale, 2018, 10, 914-920.	5.6	24
96	Guestâ€Directed Supramolecular Architectures of {W₃₆} Polyoxometalate Crowns. Chemistry - an Asian Journal, 2009, 4, 1612-1618.	3.3	23
97	Visible-light sensitized photocatalytic hydrogen generation using a dual emissive heterodinuclear cyclometalated iridium(III)/ruthenium(II) complex. Journal of Organometallic Chemistry, 2016, 821, 163-170.	1.8	22
98	Detecting and Preventing the Formation of Photosensitizer-Catalyst Colloids in Homogeneous Light-Driven Water Oxidation. European Journal of Inorganic Chemistry, 2016, 2016, 1425-1429.	2.0	22
99	Stabile Polyoxometallatâ€Nickelschaumâ€Elektroden fÃ¼r elektrochemische Sauerstoffentwicklung im alkalischen Milieu. Angewandte Chemie, 2017, 129, 5023-5026.	2.0	22
100	Modular development of metal oxide/carbon composites for electrochemical energy conversion and storage. Journal of Materials Chemistry A, 2019, 7, 13096-13102.	10.3	22
101	Embedding molecular photosensitizers and catalysts in nanoporous block copolymer membranes for visible-light driven hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 6238-6244.	10.3	22
102	In Situ Assembly, Deâ€Metalation and Induced Repair of a Copperâ€Polyoxovanadate Oxidation Catalyst. ChemistrySelect, 2017, 2, 5542-5544.	1.5	21
103	Top-down synthesis of polyoxometalate-like sub-nanometer molybdenum-oxo clusters as high-performance electrocatalysts. Chemical Science, 2020, 11, 1043-1051.	7.4	21
104	The anion-binding polyanion: a molecular cobalt vanadium oxide with anion-sensitive visual response. Chemical Communications, 2014, 50, 7840-7843.	4.1	20
105	Thermochromic and solvatochromic properties of Lindqvist polyoxometalates. Chemical Communications, 2015, 51, 13702-13705.	4.1	20
106	Reversible photodimerization of coumarin-modified Wellsâ€“Dawson anions. Journal of Materials Chemistry C, 2015, 3, 4388-4393.	5.5	20
107	Polymeric carbon nitride coupled with a molecular thiomolybdate catalyst: exciton and charge dynamics in light-driven hydrogen evolution. Sustainable Energy and Fuels, 2020, 4, 6085-6095.	4.9	20
108	Yieldâ€”not only Lifetimeâ€”of the Photoinduced Chargeâ€Separated State in Iridium Complexâ€“Polyoxometalate Dyads Impact Their Hydrogen Evolution Reactivity. Chemistry - A European Journal, 2020, 26, 8045-8052.	3.3	20

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109	Observation and Theoretical Analysis of the â€œSensitive Coordination Sitesâ€• in the Isopolyoxomolybdate Cluster $$[hbox{Mo}_{36}hbox{O}_{112}(hbox{H}_{2}hbox{O})_{14}]^{8-}$$. Journal of Cluster Science, 2006, 17, 257-266.	3.3	19
110	Aerobic Oxidation Catalysis by a Molecular Barium Vanadium Oxide. Chemistry - A European Journal, 2018, 24, 4952-4956.	3.3	19
111	Modular Design of Nobleâ€Metalâ€Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. Angewandte Chemie, 2019, 131, 4692-4696.	2.0	19
112	Surface Anchoring and Active Sites of [Mo₃S₁₃]^{2â€“} Clusters as Co-Catalysts for Photocatalytic Hydrogen Evolution. ACS Catalysis, 2022, 12, 6641-6650.	11.2	19
113	One-step Synthesizable Lindqvistâ^isopolyoxometalates as Promising New Catalysts for Selective Conversion of Glucose as a Model Substrate for Lignocellulosic Biomass to Formic Acid. ChemistrySelect, 2016, 1, 2889-2894.	1.5	18
114	Structure and Bonding in Molecular Vanadium Oxides: From Templates via Hostâ€“Guest Chemistry to Applications. Structure and Bonding, 2017, , 31-47.	1.0	18
115	Composite Metal Oxideâ€Carbon Nanotube Electrocatalysts for the Oxygen Evolution and Oxygen Reduction Reactions. ChemElectroChem, 2018, 5, 2850-2856.	3.4	18
116	Solid-state-stabilization of molecular vanadium oxides for reversible electrochemical charge storage. Inorganic Chemistry Frontiers, 2020, 7, 134-139.	6.0	18
117	From molecular to colloidal manganese vanadium oxides for water oxidation catalysis. Chemical Communications, 2017, 53, 11576-11579.	4.1	17
118	Devisable POM/Ni Foam Composite: Precisely Control Synthesis toward Enhanced Hydrogen Evolution Reaction at High pH. Chemistry - A European Journal, 2019, 25, 15548-15554.	3.3	17
119	Differentiating Molecular and Solidâ€State Vanadium Oxides as Active Materials in Battery Electrodes. ChemElectroChem, 2019, 6, 398-403.	3.4	17
120	Water decontamination by polyoxometalate-functionalized 3D-printed hierarchical porous devices. Chemical Communications, 2018, 54, 3018-3021.	4.1	16
121	1,7,9,10â€Tetrasubstituted PMIs Accessible through Decarboxylative Bromination: Synthesis, Characterization, Photophysical Studies, and Hydrogen Evolution Catalysis. Chemistry - A European Journal, 2021, 27, 4081-4088.	3.3	16
122	Multicomponent Selfâ€Assembly of a Giant Heterometallic Polyoxotungstate Supercluster with Antitumor Activity. Angewandte Chemie, 2021, 133, 11253-11257.	2.0	16
123	Solvent-shielding allows the self-assembly of supramolecular 1D barium vanadate chains. CrystEngComm, 2013, 15, 4948.	2.6	15
124	Ruthenium Imidazophenanthrolinium Complexes with Prolonged Excitedâ€State Lifetimes. European Journal of Inorganic Chemistry, 2015, 2015, 3932-3939.	2.0	15
125	Entfernung von organischen, anorganischen und mikrobiellen Schadstoffen aus Wasser durch immobilisierte Polyoxometallatâ€basierte ionische FlÃ¼ssigkeiten (POMâ€ILPs). Angewandte Chemie, 2017, 129, 1689-1692.	2.0	15
126	Molecular Iron Oxide Clusters Boost the Oxygen Reduction Reaction of Platinum Electrocatalysts at Nearâ€Neutral pH. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15

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127	Cluster-controlled dimerisation in supramolecular ruthenium photosensitizerâ€“polyoxometalate systems. Dalton Transactions, 2015, 44, 330-337.	3.3	14
128	Polyoxometalates in photocatalysis. Physical Sciences Reviews, 2019, 4, .	0.8	14
129	Making Photocatalysis Comparable Using a Modular and Characterized Openâ€Source Photoreactor**. ChemPhotoChem, 2022, 6, .	3.0	14
130	â€œCLICKableâ€•azide-functionalized phosphonates for the surface-modification of molecular and solid-state metal oxides. Dalton Transactions, 2016, 45, 16121-16124.	3.3	13
131	Electronic Consequences of Ligand Substitution at Heterometal Centers in Polyoxovanadium Clusters: Controlling the Redox Properties through Heterometal Coordination Number. Chemistry - A European Journal, 2020, 26, 9905-9914.	3.3	13
132	Electrocatalytic Oxygen Evolution by Hierarchically Structured Cobaltâ€“Iron Composites. ACS Applied Materials & Interfaces, 2021, 13, 19048-19054.	8.0	13
133	Covalent Linkage of BODIPYâ€Photosensitizers to Andersonâ€Type Polyoxometalates Using CLICK Chemistry. Chemistry - A European Journal, 2021, 27, 17181-17187.	3.3	13
134	Is electron ping-pong limiting the catalytic hydrogen evolution activity in covalent photosensitizerâ€“polyoxometalate dyads?. Chemical Communications, 2020, 56, 10485-10488.	4.1	12
135	Efficient Tetra-Functional Electrocatalyst with Synergetic Effect of Different Active Sites for Multi-Model Energy Conversion and Storage. ACS Applied Materials & Interfaces, 2020, 12, 23017-23027.	8.0	12
136	Visible light photooxidative performance of a high-nuclearity molecular bismuth vanadium oxide cluster. Beilstein Journal of Nanotechnology, 2014, 5, 711-716.	2.8	11
137	Architectural control of urea in supramolecular 1D strontium vanadium oxide chains. Dalton Transactions, 2015, 44, 4195-4199.	3.3	11
138	Stabilisierung eines niedrigvalenten Eisen(I)â€Ions in einem hochvalenten molekularen Vanadium(V)â€Oxidâ€Cluster. Angewandte Chemie, 2017, 129, 14944-14947.	2.0	11
139	Polyoxometallatâ€ionische FlÃ¼ssigkeiten (POMâ€ILs) als Antikorrosionsâ€•und antibakterielle Beschichtung fÃ¼r Natursteine. Angewandte Chemie, 2018, 130, 15142-15147.	2.0	11
140	Can Hydrophobic Interactions Influence Supramolecular Aggregation in Selfâ€Assembled Organicâ€“Inorganic Hybrid Structures?. European Journal of Inorganic Chemistry, 2011, 2011, 5125-5131.	2.0	10
141	Tetraanionic N2O2-coordinating ligands as potential building blocks for supramolecular magnetic networks. Dalton Transactions, 2013, 42, 5237.	3.3	10
142	Increased in vitro Antiâ€HIV Activity of Caffeiniumâ€Functionalized Polyoxometalates. ChemMedChem, 2021, 16, 2727-2730.	3.2	10
143	Activation by oxidation and ligand exchange in a molecular manganese vanadium oxide water oxidation catalyst. Chemical Science, 2021, 12, 12918-12927.	7.4	10
144	Hybrid Antimicrobial Films Containing a Polyoxometalate-Ionic Liquid. ACS Applied Polymer Materials, 2022, 4, 4144-4153.	4.4	10

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145	Localization and orientation of heavy-atom cluster compounds in protein crystals using molecular replacement. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 284-297.	2.5	9
146	Solvent-Controlled Polymerization of Molecular Strontium Vanadate Monomers into 1D Strontium Vanadium Oxide Chains. Inorganic Chemistry, 2019, 58, 11684-11688.	4.0	9
147	Iron Based Core-Shell Structures as Versatile Materials: Magnetic Support and Solid Catalyst. Catalysts, 2021, 11, 72.	3.5	9
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