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	A General Access Route to Highâ€Nuclearity, Metalâ€Functionalized Molecular Vanadium Oxides. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
2	A General Access Route to Highâ€Nuclearity, Metalâ€Functionalized Molecular Vanadium Oxides. Angewandte Chemie, 2022, 134, .	2.0	4
3	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
4	Not that innocent â€“ ammonium ions boost homogeneous light-driven hydrogen evolution. Chemical Communications, 2022, 58, 4603-4606.	4.1	4
5	Making Photocatalysis Comparable Using a Modular and Characterized Openâ€Source Photoreactor**. ChemPhotoChem, 2022, 6, .	3.0	14
6	A Triad Photoanode for Visible Lightâ€Driven Water Oxidation via Immobilization of Molecular Polyoxometalate on Polymeric Carbon Nitride. Advanced Sustainable Systems, 2022, 6, .	5.3	6
7	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
8	Hybrid Antimicrobial Films Containing a Polyoxometalate-Ionic Liquid. ACS Applied Polymer Materials, 2022, 4, 4144-4153.	4.4	10
9	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
10	Comparative Evaluation of Lightâ€Driven Catalysis: A Framework for Standardized Reporting of Data**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	32
11	New protective coatings against lampenflora growing in the Pommery Champagne cellar. International Biodeterioration and Biodegradation, 2022, 173, 105459.	3.9	5
12	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
13	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
14	Molekulare Vanadiumoxide fÃ¼r Energiewandlung und Energiespeicherung: Derzeitige Trends und zukÃ¼nftige MÃ¶glichkeiten. Angewandte Chemie, 2021, 133, 7600-7611.	2.0	7
15	Iron Based Core-Shell Structures as Versatile Materials: Magnetic Support and Solid Catalyst. Catalysts, 2021, 11, 72.	3.5	9
16	Polyoxometalate-Based Frameworks as Adsorbents for Drug of Abuse Extraction from Hair Samples. Inorganic Chemistry, 2021, 60, 1472-1479.	4.0	44
17	Photocathodes beyond NiO: charge transfer dynamics in a Ï€-conjugated polymer functionalized with Ru photosensitizers. Scientific Reports, 2021, 11, 2787.	3.3	7
18	Polyampholytic Graft Copolymers as Matrix for TiO₂/Eosin Y/[Mo₃S₁₃]^{2â€™} Hybrid Materials and Lightâ€Driven Catalysis. Chemistry - A European Journal, 2021, 27, 16924-16929.	3.3	9

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19	Electrocatalytic Oxygen Evolution by Hierarchically Structured Cobaltâ€“Iron Composites. ACS Applied Materials & Interfaces, 2021, 13, 19048-19054.	8.0	13
20	Multicomponent Selfâ€Assembly of a Giant Heterometallic Polyoxotungstate Supercluster with Antitumor Activity. Angewandte Chemie - International Edition, 2021, 60, 11153-11157.	13.8	145
21	Multicomponent Selfâ€Assembly of a Giant Heterometallic Polyoxotungstate Supercluster with Antitumor Activity. Angewandte Chemie, 2021, 133, 11253-11257.	2.0	16
22	Polyoxometalateâ€Single Atom Catalysts (POMâ€SACs) in Energy Research and Catalysis. Advanced Energy Materials, 2021, 11, 2101120.	19.5	57
23	Increased in vitro Antiâ€HIV Activity of Caffeiniumâ€Functionalized Polyoxometalates. ChemMedChem, 2021, 16, 2727-2730.	3.2	10
24	High Protonâ€Conductivity in Covalently Linked Polyoxometalateâ€Organoboronic Acidâ€Polymers. Angewandte Chemie - International Edition, 2021, 60, 16953-16957.	13.8	50
25	High Protonâ€Conductivity in Covalently Linked Polyoxometalateâ€Organoboronic Acidâ€Polymers. Angewandte Chemie, 2021, 133, 17090-17094.	2.0	5
26	Effect of Heterometalâ€Functionalization and Template Exchange on the Redox Chemistry of Molecular Vanadium Oxides. Chemistry - A European Journal, 2021, 27, 13435-13441.	3.3	8
27	A Study in Red: The Overlooked Role of Azoâ€Moieties in Polymeric Carbon Nitride Photocatalysts with Strongly Extended Optical Absorption. Chemistry - A European Journal, 2021, 27, 17188-17202.	3.3	4
28	Covalent Linkage of BODIPYâ€Photosensitizers to Andersonâ€Type Polyoxometalates Using CLICK Chemistry. Chemistry - A European Journal, 2021, 27, 17181-17187.	3.3	13
29	Spectral Signatures of Oxidation States in a Manganeseâ€Oxo Cubane Water Oxidation Catalyst. Chemistry - A European Journal, 2021, 27, 17078-17086.	3.3	4
30	Activation by oxidation and ligand exchange in a molecular manganese vanadium oxide water oxidation catalyst. Chemical Science, 2021, 12, 12918-12927.	7.4	10
31	Self-Activation of a Polyoxometalate-Derived Composite Electrocatalyst for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 12671-12676.	5.1	25
32	Multifunctional Polyoxometalate Platforms for Supramolecular Lightâ€Driven Hydrogen Evolution**. Chemistry - A European Journal, 2021, 27, 16846-16852.	3.3	6
33	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
34	Beyond Charge Balance: Counterâ€Cations in Polyoxometalate Chemistry. Angewandte Chemie - International Edition, 2020, 59, 596-612.	13.8	289
35	Jenseits von Ladungsausgleich: Gegenkationen in der Polyoxometallatâ€Chemie. Angewandte Chemie, 2020, 132, 606-623.	2.0	37
36	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

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37	Wasseraufreinigung und Mikroplastikâ€Entferung durch magnetische Polyoxometallatâ€unterstÃ¼tzte ionische FlÃ¼ssigphasen (magPOMâ€SILPs). Angewandte Chemie, 2020, 132, 1618-1622.	2.0	8
38	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
39	Top-down synthesis of polyoxometalate-like sub-nanometer molybdenum-oxo clusters as high-performance electrocatalysts. Chemical Science, 2020, 11, 1043-1051.	7.4	21
40	Solid-state-stabilization of molecular vanadium oxides for reversible electrochemical charge storage. Inorganic Chemistry Frontiers, 2020, 7, 134-139.	6.0	18
41	The Reactivity and Stability of Polyoxometalate Water Oxidation Electrocatalysts. Molecules, 2020, 25, 157.	3.8	47
42	Bottomâ€up Design of Bimetallic Cobaltâ€“Molybdenum Carbides/Oxides for Overall Water Splitting. Chemistry - A European Journal, 2020, 26, 4157-4164.	3.3	33
43	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
44	Polyoxometalate-like sub-nanometer molybdenum(<scp>vi</scp>)-oxo clusters for sensitive, selective and stable H₂O₂ sensing. Chemical Communications, 2020, 56, 9465-9468.	4.1	8
45	Is electron ping-pong limiting the catalytic hydrogen evolution activity in covalent photosensitizerâ€“polyoxometalate dyads?. Chemical Communications, 2020, 56, 10485-10488.	4.1	12
46	Nanolithographic Topâ€Down Patterning of Polyoxovanadateâ€Based Nanostructures with Switchable Electrical Resistivity. ChemNanoMat, 2020, 6, 1620-1624.	2.8	1
47	Sonochemical Hydrogen Production as a Potential Interference in Light-Driven Hydrogen Evolution Catalysis. ACS Omega, 2020, 5, 21250-21253.	3.5	6
48	Hybrid Gold Nanoparticleâ€“Polyoxovanadate Matrices: A Novel Surface Enhanced Raman/Surface Enhanced Infrared Spectroscopy Substrate. ACS Omega, 2020, 5, 25036-25041.	3.5	5
49	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
50	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
51	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
52	Organoborâ€Funktionalisierung ermÃ¶glicht die hierarchische Aggregation gigantischer Polyoxometallatâ€Nanokapseln. Angewandte Chemie, 2020, 132, 8615-8618.	2.0	6
53	Titelbild: Organoborâ€Funktionalisierung ermÃ¶glicht die hierarchische Aggregation gigantischer Polyoxometallatâ€Nanokapseln (Angew. Chem. 22/2020). Angewandte Chemie, 2020, 132, 8381-8381.	2.0	0
54	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

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55	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
56	Organoboronâ€Functionalization Enables the Hierarchical Assembly of Giant Polyoxometalate Nanocapsules. Angewandte Chemie - International Edition, 2020, 59, 8537-8540.	13.8	37
57	Polyoxometalates on Functional Substrates: Concepts, Synergies, and Future Perspectives. Advanced Science, 2020, 7, 1903511.	11.2	129
58	Organic linkage controls the photophysical properties of covalent photosensitizerâ€“polyoxometalate hydrogen evolution dyads. Sustainable Energy and Fuels, 2020, 4, 4688-4693.	4.9	5
59	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
60	A 3d-printed composite electrode for sustained electrocatalytic oxygen evolution. Chemical Communications, 2020, 56, 8476-8479.	4.1	7
61	Bulk Nanostructuring of Janusâ€Type Metal Electrodes. Chemistry - A European Journal, 2020, 26, 11109-11112.	3.3	4
62	Redox-inactive ions control the redox-activity of molecular vanadium oxides. Chemical Science, 2020, 11, 4450-4455.	7.4	25
63	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
64	Solvent-Controlled Polymerization of Molecular Strontium Vanadate Monomers into 1D Strontium Vanadium Oxide Chains. Inorganic Chemistry, 2019, 58, 11684-11688.	4.0	9
65	Antwort auf den Kommentar zu â€œStabilisierung eines niedrigvalenten Eisen(I)â€Ions in einem hochvalentem molekularen Vanadium(V) Oxidâ€Clusterâ€. Angewandte Chemie, 2019, 131, 10151-10153.	2.0	1
66	Reply to Comment on Stabilization of Lowâ€Valent Iron(I) in a Highâ€Valent Vanadium(V) Oxide Cluster. Angewandte Chemie - International Edition, 2019, 58, 10048-10050.	13.8	7
67	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
68	Heterogeneous Catalysis by Polyoxometalates in Metalâ€“Organic Frameworks. ACS Catalysis, 2019, 9, 10174-10191.	11.2	246
69	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
70	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
71	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
72	Polyoxometalates in photocatalysis. Physical Sciences Reviews, 2019, 4, .	0.8	14

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73	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
74	Modular Design of Nobleâ€Metalâ€Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. Angewandte Chemie, 2019, 131, 4692-4696.	2.0	19
75	Differentiating Molecular and Solidâ€State Vanadium Oxides as Active Materials in Battery Electrodes. ChemElectroChem, 2019, 6, 398-403.	3.4	17
76	Water decontamination by polyoxometalate-functionalized 3D-printed hierarchical porous devices. Chemical Communications, 2018, 54, 3018-3021.	4.1	16
77	Understanding homogeneous hydrogen evolution reactivity and deactivation pathways of molecular molybdenum sulfide catalysts. Sustainable Energy and Fuels, 2018, 2, 1020-1026.	4.9	49
78	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
79	Aerobic Oxidation Catalysis by a Molecular Barium Vanadium Oxide. Chemistry - A European Journal, 2018, 24, 4952-4956.	3.3	19
80	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
81	Self-assembled polyoxometalateâ€“dendrimer structures for selective photocatalysis. Nanoscale, 2018, 10, 914-920.	5.6	24
82	Frontispiz: Aggregation of Giant Ceriumâ€“Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. Angewandte Chemie, 2018, 130, .	2.0	0
83	Frontispiece: Aggregation of Giant Ceriumâ€“Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. Angewandte Chemie - International Edition, 2018, 57, .	13.8	1
84	RÃ¼cktitelbild: Polyoxometallat-ionische FlÃ¼ssigkeiten (POM-ILs) als Antikorrosions- und antibakterielle Beschichtung fÃ¼r Natursteine (Angew. Chem. 45/2018). Angewandte Chemie, 2018, 130, 15164-15164.	2.0	0
85	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
86	Polyoxometallatâ€ionische FlÃ¼ssigkeiten (POMâ€ILs) als Antikorrosionsâ€und antibakterielle Beschichtung fÃ¼r Natursteine. Angewandte Chemie, 2018, 130, 15142-15147.	2.0	11
87	Polyoxometalateâ€Ionic Liquids (POMâ€ILs) as Anticorrosion and Antibacterial Coatings for Natural Stones. Angewandte Chemie - International Edition, 2018, 57, 14926-14931.	13.8	92
88	Composite Metal Oxideâ€Carbon Nanotube Electrocatalysts for the Oxygen Evolution and Oxygen Reduction Reactions. ChemElectroChem, 2018, 5, 2850-2856.	3.4	18
89	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
90	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

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91	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
92	Photochemical and electrochemical hydrogen evolution reactivity of lanthanide-functionalized polyoxotungstates. Chemical Communications, 2018, 54, 10427-10430.	4.1	75
93	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
94	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
95	Removal of Multiple Contaminants from Water by Polyoxometalate Supported Ionic Liquid Phases (POMâ€ILPs). Angewandte Chemie - International Edition, 2017, 56, 1667-1670.	13.8	104
96	Enhanced Capacitive Energy Storage in Polyoxometalateâ€Doped Polypyrrole. Advanced Functional Materials, 2017, 27, 1700881.	14.9	50
97	Antimicrobial Activity of Polyoxometalate Ionic Liquids against Clinically Relevant Pathogens. ChemPlusChem, 2017, 82, 867-871.	2.8	41
98	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
99	Instantaneous formation of polyoxometalate-based cerium vanadium oxide gels. Inorganic Chemistry Frontiers, 2017, 4, 160-164.	6.0	3
100	Homogeneous and Heterogeneous Anion Sensing by a Molecular Cobaltâ€“Vanadium Oxide. Chemistry - A European Journal, 2017, 23, 2201-2205.	3.3	5
101	From molecular to colloidal manganese vanadium oxides for water oxidation catalysis. Chemical Communications, 2017, 53, 11576-11579.	4.1	17
102	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
103	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
104	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
105	In Situ Assembly, Deâ€Metalation and Induced Repair of a Copperâ€Polyoxovanadate Oxidation Catalyst. ChemistrySelect, 2017, 2, 5542-5544.	1.5	21
106	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
107	Stabile Polyoxometallatâ€Nickelschaumâ€Elektroden fÃ¼r elektrochemische Sauerstoffentwicklung im alkalischen Milieu. Angewandte Chemie, 2017, 129, 5023-5026.	2.0	22
108	Structure and Bonding in Molecular Vanadium Oxides: From Templates via Hostâ€“Guest Chemistry to Applications. Structure and Bonding, 2017, , 31-47.	1.0	18

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109	Antimicrobial activity of polyoxometalate ionic liquids (POM-ILs) against clinically relevant pathogens. Toxicology Letters, 2017, 280, S193.	0.8	3
110	POMbranes: polyoxometalate-functionalized block copolymer membranes for oxidation catalysis. Journal of Materials Chemistry A, 2017, 5, 15789-15796.	10.3	26
111	Structural and reactivity insights into covalently linked Cu(i) complex-Anderson polyoxometalates. Dalton Transactions, 2017, 46, 9760-9764.	3.3	5
112	Lichtinduzierte Wasseroxidation durch ein molekulares Manganvanadiumoxid. Angewandte Chemie, 2016, 128, 6437-6441.	2.0	33
113	Visibleâ€Lightâ€Driven Water Oxidation by a Molecular Manganese Vanadium Oxide Cluster. Angewandte Chemie - International Edition, 2016, 55, 6329-6333.	13.8	132
114	RÃ¼cktitelbild: Lichtinduzierte Wasseroxidation durch ein molekulares Manganvanadiumoxid (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	0
115	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
116	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
117	Challenges in polyoxometalate-mediated aerobic oxidation catalysis: catalyst development meets reactor design. Dalton Transactions, 2016, 45, 16716-16726.	3.3	75
118	Covalent Photosensitizerâ€“Polyoxometalateâ€Catalyst Dyads for Visibleâ€Lightâ€Driven Hydrogen Evolution. Chemistry - A European Journal, 2016, 22, 12002-12005.	3.3	49
119	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
120	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
121	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
122	Generation of a stable supramolecular hydrogen evolving photocatalyst by alteration of the catalytic center. Dalton Transactions, 2016, 45, 6612-6618.	3.3	30
123	Pyreneâ€Andersonâ€Modified CNTs as Anode Materials for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 18799-18804.	3.3	57
124	Ruthenium Imidazophenanthrolinium Complexes with Prolonged Excitedâ€State Lifetimes. European Journal of Inorganic Chemistry, 2015, 2015, 3932-3939.	2.0	15
125	Architectural control of urea in supramolecular 1D strontium vanadium oxide chains. Dalton Transactions, 2015, 44, 4195-4199.	3.3	11
126	Oxidative photoreactivity of mono-transition-metal functionalized lacunary Keggin anions. Dalton Transactions, 2015, 44, 18919-18922.	3.3	6

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127	Polyoxometalate-functionalized nanocarbon materials for energy conversion, energy storage and sensor systems. Energy and Environmental Science, 2015, 8, 776-789.	30.8	490
128	Polyoxometalate â€“ conductive polymer composites for energy conversion, energy storage and nanostructured sensors. Dalton Transactions, 2015, 44, 7092-7104.	3.3	202
129	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
130	Novel phenanthrolineâ€“diaryldiazadiene ligands with heteroditopic coordination spheres. Dalton Transactions, 2015, 44, 15404-15407.	3.3	4
131	Thermochromic and solvatochromic properties of Lindqvist polyoxometalates. Chemical Communications, 2015, 51, 13702-13705.	4.1	20
132	Reversible photodimerization of coumarin-modified Wellsâ€“Dawson anions. Journal of Materials Chemistry C, 2015, 3, 4388-4393.	5.5	20
133	Templateâ€Dependent Photochemical Reactivity of Molecular Metal Oxides. Chemistry - A European Journal, 2015, 21, 8716-8719.	3.3	44
134	Controlled Reactivity Tuning of Metalâ€Functionalized Vanadium Oxide Clusters. Chemistry - A European Journal, 2015, 21, 7686-7689.	3.3	53
135	Cluster-controlled dimerisation in supramolecular ruthenium photosensitizerâ€“polyoxometalate systems. Dalton Transactions, 2015, 44, 330-337.	3.3	14
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	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
138	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
139	Chirality meets visible-light photocatalysis in a molecular cerium vanadium oxide cluster. Chemical Communications, 2014, 50, 1827.	4.1	55
140	Photocatalytic reactivity tuning by heterometal and addenda metal variation in Lindqvist polyoxometalates. Dalton Transactions, 2014, 43, 17029-17033.	3.3	30
141	Supramolecular activation of a molecular photocatalyst. Dalton Transactions, 2014, 43, 13307-13315.	3.3	25
142	Polyoxometalate Ionic Liquids as Selfâ€Repairing Acidâ€Resistant Corrosion Protection. Angewandte Chemie - International Edition, 2014, 53, 13596-13599.	13.8	86
143	The anion-binding polyanion: a molecular cobalt vanadium oxide with anion-sensitive visual response. Chemical Communications, 2014, 50, 7840-7843.	4.1	20
144	A New Class of Homogeneous Visibleâ€Light Photocatalysts: Molecular Cerium Vanadium Oxide Clusters. Chemistry - A European Journal, 2014, 20, 9733-9738.	3.3	52

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145	Innentitelbild: Polyoxometallat-basierte ionische FlÃ¼ssigkeiten als selbstreparierender SÃure-Korrosionsschutz (Angew. Chem. 49/2014). Angewandte Chemie, 2014, 126, 13512-13512.	2.0	0
146	Solvent-shielding allows the self-assembly of supramolecular 1D barium vanadate chains. CrystEngComm, 2013, 15, 4948.	2.6	15
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