

Carsten Streb

List of Publications by Year in descending order

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191
papers

9,545
citations

41627

51
h-index

51423

90
g-index

224
all docs

224
docs citations

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times ranked

7691
citing authors

#	ARTICLE	IF	CITATIONS
1	A General Access Route to High-Nuclearity, Metal-Functionalized Molecular Vanadium Oxides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	6
2	A General Access Route to High-Nuclearity, Metal-Functionalized Molecular Vanadium Oxides. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
3	A photosensitizer-polyoxometalate dyad that enables the decoupling of light and dark reactions for delayed on-demand solar hydrogen production. <i>Nature Chemistry</i> , 2022, 14, 321-327.	6.6	66
4	Not that innocent – ammonium ions boost homogeneous light-driven hydrogen evolution. <i>Chemical Communications</i> , 2022, 58, 4603-4606.	2.2	4
5	Making Photocatalysis Comparable Using a Modular and Characterized Open-Source Photoreactor**. <i>ChemPhotoChem</i> , 2022, 6, .	1.5	14
6	A Triad Photoanode for Visible Light-Driven Water Oxidation via Immobilization of Molecular Polyoxometalate on Polymeric Carbon Nitride. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	6
7	Molecular Iron Oxide Clusters Boost the Oxygen Reduction Reaction of Platinum Electrocatalysts at Near-Neutral pH. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	15
8	Hybrid Antimicrobial Films Containing a Polyoxometalate-Ionic Liquid. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4144-4153.	2.0	10
9	Surface Anchoring and Active Sites of [Mo ₃ S ₁₃] ²⁺ Clusters as Co-Catalysts for Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2022, 12, 6641-6650.	5.5	19
10	Comparative Evaluation of Light-Driven Catalysis: A Framework for Standardized Reporting of Data**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	32
11	New protective coatings against lampenflora growing in the Pommery Champagne cellar. <i>International Biodeterioration and Biodegradation</i> , 2022, 173, 105459.	1.9	5
12	1,7,9,10-Tetrasubstituted PMIs Accessible through Decarboxylative Bromination: Synthesis, Characterization, Photophysical Studies, and Hydrogen Evolution Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 4081-4088.	1.7	16
13	Molecular Vanadium Oxides for Energy Conversion and Energy Storage: Current Trends and Emerging Opportunities. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7522-7532.	7.2	77
14	Molekulare Vanadiumoxide für Energiewandlung und Energiespeicherung: Derzeitige Trends und zukünftige Möglichkeiten. <i>Angewandte Chemie</i> , 2021, 133, 7600-7611.	1.6	7
15	Iron Based Core-Shell Structures as Versatile Materials: Magnetic Support and Solid Catalyst. <i>Catalysts</i> , 2021, 11, 72.	1.6	9
16	Polyoxometalate-Based Frameworks as Adsorbents for Drug of Abuse Extraction from Hair Samples. <i>Inorganic Chemistry</i> , 2021, 60, 1472-1479.	1.9	44
17	Photocathodes beyond NiO: charge transfer dynamics in a π -conjugated polymer functionalized with Ru photosensitizers. <i>Scientific Reports</i> , 2021, 11, 2787.	1.6	7
18	Polyampholytic Graft Copolymers as Matrix for TiO ₂ /Eosin Y/[Mo ₃ S ₁₃] ²⁺ Hybrid Materials and Light-Driven Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 16924-16929.	1.7	9

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19	Electrocatalytic Oxygen Evolution by Hierarchically Structured Cobalt–Iron Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19048-19054.	4.0	13
20	Multicomponent Self-Assembly of a Giant Heterometallic Polyoxotungstate Supercluster with Antitumor Activity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11153-11157.	7.2	145
21	Multicomponent Self-Assembly of a Giant Heterometallic Polyoxotungstate Supercluster with Antitumor Activity. <i>Angewandte Chemie</i> , 2021, 133, 11253-11257.	1.6	16
22	Polyoxometalate–Single Atom Catalysts (POM–SACs) in Energy Research and Catalysis. <i>Advanced Energy Materials</i> , 2021, 11, 2101120.	10.2	57
23	Increased in vitro Anti-HIV Activity of Caffeinium-Functionalized Polyoxometalates. <i>ChemMedChem</i> , 2021, 16, 2727-2730.	1.6	10
24	High Proton Conductivity in Covalently Linked Polyoxometalate–Organoboronic Acid Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16953-16957.	7.2	50
25	High Proton Conductivity in Covalently Linked Polyoxometalate–Organoboronic Acid Polymers. <i>Angewandte Chemie</i> , 2021, 133, 17090-17094.	1.6	5
26	Effect of Heterometal-Functionalization and Template Exchange on the Redox Chemistry of Molecular Vanadium Oxides. <i>Chemistry - A European Journal</i> , 2021, 27, 13435-13441.	1.7	8
27	A Study in Red: The Overlooked Role of Azo-Moieties in Polymeric Carbon Nitride Photocatalysts with Strongly Extended Optical Absorption. <i>Chemistry - A European Journal</i> , 2021, 27, 17188-17202.	1.7	4
28	Covalent Linkage of BODIPY-Photosensitizers to Anderson-Type Polyoxometalates Using CLICK Chemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 17181-17187.	1.7	13
29	Spectral Signatures of Oxidation States in a Manganese–Oxo Cubane Water Oxidation Catalyst. <i>Chemistry - A European Journal</i> , 2021, 27, 17078-17086.	1.7	4
30	Activation by oxidation and ligand exchange in a molecular manganese vanadium oxide water oxidation catalyst. <i>Chemical Science</i> , 2021, 12, 12918-12927.	3.7	10
31	Self-Activation of a Polyoxometalate-Derived Composite Electrocatalyst for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 12671-12676.	2.5	25
32	Multifunctional Polyoxometalate Platforms for Supramolecular Light-Driven Hydrogen Evolution**. <i>Chemistry - A European Journal</i> , 2021, 27, 16846-16852.	1.7	6
33	Highly selective electroreduction of N ₂ and CO ₂ to urea over artificial frustrated Lewis pairs. <i>Energy and Environmental Science</i> , 2021, 14, 6605-6615.	15.6	130
34	Beyond Charge Balance: Counter-Cations in Polyoxometalate Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 596-612.	7.2	289
35	Jenseits von Ladungsausgleich: Gegenkationen in der Polyoxometallat-Chemie. <i>Angewandte Chemie</i> , 2020, 132, 606-623.	1.6	37
36	pH and thermal dual-responsive poly(NIPAM-co-GMA)-coated magnetic nanoparticles via surface-initiated RAFT polymerization for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2020, 108, 110418.	3.8	73

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37	Wasseraufreinigung und Mikroplastik-Entfernung durch magnetische Polyoxometallat-unterstützte ionische Flüssigphasen (magPOM-SILPs). <i>Angewandte Chemie</i> , 2020, 132, 1618-1622.	1.6	8
38	Water Purification and Microplastics Removal Using Magnetic Polyoxometalate-Supported Ionic Liquid Phases (magPOM-SILPs). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1601-1605.	7.2	153
39	Top-down synthesis of polyoxometalate-like sub-nanometer molybdenum-oxo clusters as high-performance electrocatalysts. <i>Chemical Science</i> , 2020, 11, 1043-1051.	3.7	21
40	Solid-state-stabilization of molecular vanadium oxides for reversible electrochemical charge storage. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 134-139.	3.0	18
41	The Reactivity and Stability of Polyoxometalate Water Oxidation Electrocatalysts. <i>Molecules</i> , 2020, 25, 157.	1.7	47
42	Bottom-up Design of Bimetallic Cobalt-Molybdenum Carbides/Oxides for Overall Water Splitting. <i>Chemistry - A European Journal</i> , 2020, 26, 4157-4164.	1.7	33
43	Polymeric carbon nitride coupled with a molecular thiomolybdate catalyst: exciton and charge dynamics in light-driven hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6085-6095.	2.5	20
44	Polyoxometalate-like sub-nanometer molybdenum(ν)-oxo clusters for sensitive, selective and stable H_2O_2 sensing. <i>Chemical Communications</i> , 2020, 56, 9465-9468.	2.2	8
45	Is electron ping-pong limiting the catalytic hydrogen evolution activity in covalent photosensitizer-polyoxometalate dyads?. <i>Chemical Communications</i> , 2020, 56, 10485-10488.	2.2	12
46	Nanolithographic Top-Down Patterning of Polyoxovanadate-Based Nanostructures with Switchable Electrical Resistivity. <i>ChemNanoMat</i> , 2020, 6, 1620-1624.	1.5	1
47	Sonochemical Hydrogen Production as a Potential Interference in Light-Driven Hydrogen Evolution Catalysis. <i>ACS Omega</i> , 2020, 5, 21250-21253.	1.6	6
48	Hybrid Gold Nanoparticle-Polyoxovanadate Matrices: A Novel Surface Enhanced Raman/Surface Enhanced Infrared Spectroscopy Substrate. <i>ACS Omega</i> , 2020, 5, 25036-25041.	1.6	5
49	Photoinduced Charge Accumulation and Prolonged Multielectron Storage for the Separation of Light and Dark Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 15722-15728.	6.6	40
50	Efficient Tetra-Functional Electrocatalyst with Synergetic Effect of Different Active Sites for Multi-Model Energy Conversion and Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23017-23027.	4.0	12
51	Bimetallic manganese-vanadium functionalized N,S-doped carbon nanotubes as efficient oxygen evolution and oxygen reduction electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119195.	10.8	76
52	Organobor-Funktionalisierung ermöglicht die hierarchische Aggregation gigantischer Polyoxometallat-Nanokapseln. <i>Angewandte Chemie</i> , 2020, 132, 8615-8618.	1.6	6
53	Titelbild: Organobor-Funktionalisierung ermöglicht die hierarchische Aggregation gigantischer Polyoxometallat-Nanokapseln (<i>Angew. Chem.</i> 22/2020). <i>Angewandte Chemie</i> , 2020, 132, 8381-8381.	1.6	0
54	Embedding molecular photosensitizers and catalysts in nanoporous block copolymer membranes for visible-light driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6238-6244.	5.2	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.	1.7	13
56	Organoboronâ€Functionalization Enables the Hierarchical Assembly of Giant Polyoxometalate Nanocapsules. Angewandte Chemie - International Edition, 2020, 59, 8537-8540.	7.2	37
57	Polyoxometalates on Functional Substrates: Concepts, Synergies, and Future Perspectives. Advanced Science, 2020, 7, 1903511.	5.6	129
58	Organic linkage controls the photophysical properties of covalent photosensitizerâ€polyoxometalate hydrogen evolution dyads. Sustainable Energy and Fuels, 2020, 4, 4688-4693.	2.5	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.	15.6	36
60	A 3d-printed composite electrode for sustained electrocatalytic oxygen evolution. Chemical Communications, 2020, 56, 8476-8479.	2.2	7
61	Bulk Nanostructuring of Janusâ€Type Metal Electrodes. Chemistry - A European Journal, 2020, 26, 11109-11112.	1.7	4
62	Redox-inactive ions control the redox-activity of molecular vanadium oxides. Chemical Science, 2020, 11, 4450-4455.	3.7	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.	1.7	20
64	Solvent-Controlled Polymerization of Molecular Strontium Vanadate Monomers into 1D Strontium Vanadium Oxide Chains. Inorganic Chemistry, 2019, 58, 11684-11688.	1.9	9
65	Antwort auf den Kommentar zu â€Stabilisierung eines niedrigvalenten Eisen(I)â€Ions in einem hochvalentem molekularen Vanadium(V) Oxidâ€Clusterâ€. Angewandte Chemie, 2019, 131, 10151-10153.	1.6	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.	7.2	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.	1.7	17
68	Heterogeneous Catalysis by Polyoxometalates in Metalâ€Organic Frameworks. ACS Catalysis, 2019, 9, 10174-10191.	5.5	246
69	Homogeneous visible light-driven hydrogen evolution by the molecular molybdenum sulfide model $[Mo_2S_{12}]^{2+}$. Sustainable Energy and Fuels, 2019, 3, 92-95.	2.5	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.	1.7	28
71	Modular development of metal oxide/carbon composites for electrochemical energy conversion and storage. Journal of Materials Chemistry A, 2019, 7, 13096-13102.	5.2	22
72	Polyoxometalates in photocatalysis. Physical Sciences Reviews, 2019, 4, .	0.8	14

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73	Modular Design of Noble-Metal-Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4644-4648.	7.2	182
74	Modular Design of Noble-Metal-Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. <i>Angewandte Chemie</i> , 2019, 131, 4692-4696.	1.6	19
75	Differentiating Molecular and Solid-State Vanadium Oxides as Active Materials in Battery Electrodes. <i>ChemElectroChem</i> , 2019, 6, 398-403.	1.7	17
76	Water decontamination by polyoxometalate-functionalized 3D-printed hierarchical porous devices. <i>Chemical Communications</i> , 2018, 54, 3018-3021.	2.2	16
77	Understanding homogeneous hydrogen evolution reactivity and deactivation pathways of molecular molybdenum sulfide catalysts. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1020-1026.	2.5	49
78	Aggregation of Giant Cerium-Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8416-8420.	7.2	221
79	Aerobic Oxidation Catalysis by a Molecular Barium Vanadium Oxide. <i>Chemistry - A European Journal</i> , 2018, 24, 4952-4956.	1.7	19
80	Influence of the doping ratio and the carbon coating content on the electrochemical performance of Co-doped SnO ₂ for lithium-ion anodes. <i>Electrochimica Acta</i> , 2018, 277, 100-109.	2.6	36
81	Self-assembled polyoxometalate dendrimer structures for selective photocatalysis. <i>Nanoscale</i> , 2018, 10, 914-920.	2.8	24
82	Frontispiz: Aggregation of Giant Cerium-Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. <i>Angewandte Chemie</i> , 2018, 130, .	1.6	0
83	Frontispiece: Aggregation of Giant Cerium-Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	7.2	1
84	Titelbild: Polyoxometallat-ionische Flüssigkeiten (POM-ILs) als Antikorrosions- und antibakterielle Beschichtung für Natursteine (<i>Angew. Chem.</i> 45/2018). <i>Angewandte Chemie</i> , 2018, 130, 15164-15164.	1.6	0
85	Manganese Vanadium Oxide-N-Doped Reduced Graphene Oxide Composites as Oxygen Reduction and Oxygen Evolution Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44511-44517.	4.0	62
86	Polyoxometallat-ionische Flüssigkeiten (POM-ILs) als Antikorrosions- und antibakterielle Beschichtung für Natursteine. <i>Angewandte Chemie</i> , 2018, 130, 15142-15147.	1.6	11
87	Polyoxometalate-Ionic Liquids (POM-ILs) as Anticorrosion and Antibacterial Coatings for Natural Stones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14926-14931.	7.2	92
88	Composite Metal Oxide-Carbon Nanotube Electrocatalysts for the Oxygen Evolution and Oxygen Reduction Reactions. <i>ChemElectroChem</i> , 2018, 5, 2850-2856.	1.7	18
89	Cobalt Disulfide Nanoparticles Embedded in Porous Carbonaceous Micro-Polyhedrons Interlinked by Carbon Nanotubes for Superior Lithium and Sodium Storage. <i>ACS Nano</i> , 2018, 12, 7220-7231.	7.3	234
90	Multi-phase real-time monitoring of oxygen evolution enables <i>in operando</i> water oxidation catalysis studies. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1974-1978.	2.5	25

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91	Aggregation of Giant Cerium-Bismuth Tungstate Clusters into a 3D Porous Framework with High Proton Conductivity. <i>Angewandte Chemie</i> , 2018, 130, 8552-8556.	1.6	30
92	Photochemical and electrochemical hydrogen evolution reactivity of lanthanide-functionalized polyoxotungstates. <i>Chemical Communications</i> , 2018, 54, 10427-10430.	2.2	75
93	Hydrogen evolution catalysis by molybdenum sulfides (MoS_x): are thiomolybdate clusters like $[\text{Mo}_3\text{S}_{13}]^{2-}$ suitable active site models?. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1893-1904.	2.5	51
94	Entfernung von organischen, anorganischen und mikrobiellen Schadstoffen aus Wasser durch immobilisierte Polyoxometallat-basierte ionische Flüssigkeiten (POM-SILPs). <i>Angewandte Chemie</i> , 2017, 129, 1689-1692.	1.6	15
95	Removal of Multiple Contaminants from Water by Polyoxometalate Supported Ionic Liquid Phases (POM-SILPs). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1667-1670.	7.2	104
96	Enhanced Capacitive Energy Storage in Polyoxometalate-Doped Polypyrrole. <i>Advanced Functional Materials</i> , 2017, 27, 1700881.	7.8	50
97	Antimicrobial Activity of Polyoxometalate Ionic Liquids against Clinically Relevant Pathogens. <i>ChemPlusChem</i> , 2017, 82, 867-871.	1.3	41
98	Robust Polyoxometalate/Nickel Foam Composite Electrodes for Sustained Electrochemical Oxygen Evolution at High pH. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4941-4944.	7.2	131
99	Instantaneous formation of polyoxometalate-based cerium vanadium oxide gels. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 160-164.	3.0	3
100	Homogeneous and Heterogeneous Anion Sensing by a Molecular Cobalt-Vanadium Oxide. <i>Chemistry - A European Journal</i> , 2017, 23, 2201-2205.	1.7	5
101	From molecular to colloidal manganese vanadium oxides for water oxidation catalysis. <i>Chemical Communications</i> , 2017, 53, 11576-11579.	2.2	17
102	Polyoxometalate-Based Bottom-Up Fabrication of Graphene Quantum Dot/Manganese Vanadate Composites as Lithium Ion Battery Anodes. <i>Chemistry - A European Journal</i> , 2017, 23, 16637-16643.	1.7	56
103	Stabilisierung eines niedrigvalenten Eisen(II)-Ions in einem hochvalenten molekularen Vanadium(V)-Oxid-Cluster. <i>Angewandte Chemie</i> , 2017, 129, 14944-14947.	1.6	11
104	Stabilization of Low-Valent Iron(II) in a High-Valent Vanadium(V) Oxide Cluster. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14749-14752.	7.2	45
105	<i>In Situ</i> Assembly, De-Metalation and Induced Repair of a Copper-Polyoxovanadate Oxidation Catalyst. <i>ChemistrySelect</i> , 2017, 2, 5542-5544.	0.7	21
106	Experimental and Theoretical Investigation of the Light-Driven Hydrogen Evolution by Polyoxometalate-Photosensitizer Dyads. <i>Chemistry - A European Journal</i> , 2017, 23, 15370-15376.	1.7	50
107	Stabile Polyoxometallat-Nickelschaum-Elektroden für elektrochemische Sauerstoffentwicklung im alkalischen Milieu. <i>Angewandte Chemie</i> , 2017, 129, 5023-5026.	1.6	22
108	Structure and Bonding in Molecular Vanadium Oxides: From Templates via Host-Guest Chemistry to Applications. <i>Structure and Bonding</i> , 2017, , 31-47.	1.0	18

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109	Antimicrobial activity of polyoxometalate ionic liquids (POM-ILs) against clinically relevant pathogens. <i>Toxicology Letters</i> , 2017, 280, S193.	0.4	3
110	POMbranes: polyoxometalate-functionalized block copolymer membranes for oxidation catalysis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15789-15796.	5.2	26
111	Structural and reactivity insights into covalently linked Cu(i) complex-Anderson polyoxometalates. <i>Dalton Transactions</i> , 2017, 46, 9760-9764.	1.6	5
112	Lichtinduzierte Wasseroxidation durch ein molekulares Manganvanadiumoxid. <i>Angewandte Chemie</i> , 2016, 128, 6437-6441.	1.6	33
113	Visible-Light-Driven Water Oxidation by a Molecular Manganese Vanadium Oxide Cluster. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6329-6333.	7.2	132
114	Rücktitelbild: Lichtinduzierte Wasseroxidation durch ein molekulares Manganvanadiumoxid (Angew.) <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6329-6333.	1.6	33
115	Visible-light sensitized photocatalytic hydrogen generation using a dual emissive heterodinuclear cyclometalated iridium(III)/ruthenium(II) complex. <i>Journal of Organometallic Chemistry</i> , 2016, 821, 163-170.	0.8	22
116	Clickable azide-functionalized phosphonates for the surface-modification of molecular and solid-state metal oxides. <i>Dalton Transactions</i> , 2016, 45, 16121-16124.	1.6	13
117	Challenges in polyoxometalate-mediated aerobic oxidation catalysis: catalyst development meets reactor design. <i>Dalton Transactions</i> , 2016, 45, 16716-16726.	1.6	75
118	Covalent Photosensitizer-Polyoxometalate-Catalyst Dyads for Visible-Light-Driven Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2016, 22, 12002-12005.	1.7	49
119	One-step Synthesizable Lindqvist-type isopolyoxometalates as Promising New Catalysts for Selective Conversion of Glucose as a Model Substrate for Lignocellulosic Biomass to Formic Acid. <i>ChemistrySelect</i> , 2016, 1, 2889-2894.	0.7	18
120	Detecting and Preventing the Formation of Photosensitizer-Catalyst Colloids in Homogeneous Light-Driven Water Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1425-1429.	1.0	22
121	Wiring redox-active polyoxometalates to carbon nanotubes using a sonication-driven periodic functionalization strategy. <i>Energy and Environmental Science</i> , 2016, 9, 1095-1101.	15.6	128
122	Generation of a stable supramolecular hydrogen evolving photocatalyst by alteration of the catalytic center. <i>Dalton Transactions</i> , 2016, 45, 6612-6618.	1.6	30
123	Pyrene-Anderson-Modified CNTs as Anode Materials for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 18799-18804.	1.7	57
124	Ruthenium Imidazophenanthroline Complexes with Prolonged Excited-State Lifetimes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3932-3939.	1.0	15
125	Architectural control of urea in supramolecular 1D strontium vanadium oxide chains. <i>Dalton Transactions</i> , 2015, 44, 4195-4199.	1.6	11
126	Oxidative photoreactivity of mono-transition-metal functionalized lacunary Keggin anions. <i>Dalton Transactions</i> , 2015, 44, 18919-18922.	1.6	6

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127	Polyoxometalate-functionalized nanocarbon materials for energy conversion, energy storage and sensor systems. <i>Energy and Environmental Science</i> , 2015, 8, 776-789.	15.6	490
128	Polyoxometalate "conductive polymer composites for energy conversion, energy storage and nanostructured sensors. <i>Dalton Transactions</i> , 2015, 44, 7092-7104.	1.6	202
129	Covalent Attachment of Anderson-Type Polyoxometalates to Single-Walled Carbon Nanotubes Gives Enhanced Performance Electrodes for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 6469-6474.	1.7	75
130	Novel phenanthroline-diaryldiazadiene ligands with heteroditopic coordination spheres. <i>Dalton Transactions</i> , 2015, 44, 15404-15407.	1.6	4
131	Thermochromic and solvatochromic properties of Lindqvist polyoxometalates. <i>Chemical Communications</i> , 2015, 51, 13702-13705.	2.2	20
132	Reversible photodimerization of coumarin-modified Wells-Dawson anions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4388-4393.	2.7	20
133	Template-Dependent Photochemical Reactivity of Molecular Metal Oxides. <i>Chemistry - A European Journal</i> , 2015, 21, 8716-8719.	1.7	44
134	Controlled Reactivity Tuning of Metal-Functionalized Vanadium Oxide Clusters. <i>Chemistry - A European Journal</i> , 2015, 21, 7686-7689.	1.7	53
135	Cluster-controlled dimerisation in supramolecular ruthenium photosensitizer-polyoxometalate systems. <i>Dalton Transactions</i> , 2015, 44, 330-337.	1.6	14
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