

Lee Cronin

List of Publications by Year in descending order

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501
papers

33,911
citations

3919

88
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6113

159
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658
all docs

658
docs citations

658
times ranked

19442
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyoxometalate clusters, nanostructures and materials: From self assembly to designer materials and devices. <i>Chemical Society Reviews</i> , 2007, 36, 105-121.	18.7	2,038
2	Polyoxometalates: Building Blocks for Functional Nanoscale Systems. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1736-1758.	7.2	2,013
3	Engineering polyoxometalates with emergent properties. <i>Chemical Society Reviews</i> , 2012, 41, 7403.	18.7	804
4	Metal bis-1,2-dithiolene complexes in conducting or magnetic crystalline assemblies. <i>Coordination Chemistry Reviews</i> , 2002, 227, 93-127.	9.5	580
5	Decoupled catalytic hydrogen evolution from a molecular metal oxide redox mediator in water splitting. <i>Science</i> , 2014, 345, 1326-1330.	6.0	559
6	Integrated 3D-printed reactionware for chemical synthesis and analysis. <i>Nature Chemistry</i> , 2012, 4, 349-354.	6.6	541
7	Controlling an organic synthesis robot with machine learning to search for new reactivity. <i>Nature</i> , 2018, 559, 377-381.	13.7	462
8	Decoupling hydrogen and oxygen evolution during electrolytic water splitting using an electron-coupled-proton buffer. <i>Nature Chemistry</i> , 2013, 5, 403-409.	6.6	453
9	Configurable 3D-Printed millifluidic and microfluidic "lab on a chip" reactionware devices. <i>Lab on A Chip</i> , 2012, 12, 3267.	3.1	434
10	From serendipity to design of polyoxometalates at the nanoscale, aesthetic beauty and applications. <i>Chemical Society Reviews</i> , 2012, 41, 7333.	18.7	426
11	Polyoxometalate based open-frameworks (POM-OFs). <i>Chemical Society Reviews</i> , 2014, 43, 5679-5699.	18.7	359
12	Organic synthesis in a modular robotic system driven by a chemical programming language. <i>Science</i> , 2019, 363, .	6.0	349
13	Design and fabrication of memory devices based on nanoscale polyoxometalate clusters. <i>Nature</i> , 2014, 515, 545-549.	13.7	301
14	Self-Assembly of Organic-Inorganic Hybrid Amphiphilic Surfactants with Large Polyoxometalates as Polar Head Groups. <i>Journal of the American Chemical Society</i> , 2008, 130, 14408-14409.	6.6	291
15	Unveiling the Transient Template in the Self-Assembly of a Molecular Oxide Nanowheel. <i>Science</i> , 2010, 327, 72-74.	6.0	270
16	Observation of Fe(V)=O using variable-temperature mass spectrometry and its enzyme-like C-H and C=C oxidation reactions. <i>Nature Chemistry</i> , 2011, 3, 788-793.	6.6	264
17	Face-directed self-assembly of an electronically active Archimedean polyoxometalate architecture. <i>Nature Chemistry</i> , 2010, 2, 308-312.	6.6	259
18	Polyoxometalate-Mediated Self-Assembly of Single-Molecule Magnets: $\{[XW_9O_{34}]_2[Mn^{III}]_4Mn^{II}]_2O_{254}\}$. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5609-5612.	7.2	254

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19	Modular Assembly of a Functional Polyoxometalate-Based Open Framework Constructed from Unsupported Ag ^I Interactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7579-7582.	7.2	248
20	Unravelling the complexities of inorganic and supramolecular self-assembly in solution with electrospray and cryospray mass spectrometry. <i>Chemical Communications</i> , 2009, , 1297.	2.2	230
21	Towards Polyoxometalate-Integrated Nanosystems. <i>Chemistry - A European Journal</i> , 2006, 12, 3698-3706.	1.7	221
22	From Chemical Gardens to Chemobrionics. <i>Chemical Reviews</i> , 2015, 115, 8652-8703.	23.0	216
23	A self optimizing synthetic organic reactor system using real-time in-line NMR spectroscopy. <i>Chemical Science</i> , 2015, 6, 1258-1264.	3.7	209
24	Highly reduced and protonated aqueous solutions of [P2W18O62] ⁶⁻ for on-demand hydrogen generation and energy storage. <i>Nature Chemistry</i> , 2018, 10, 1042-1047.	6.6	199
25	Design and synthesis of polyoxometalate-framework materials from cluster precursors. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	191
26	Noncovalently Connected Frameworks with Nanoscale Channels Assembled from a Tethered Polyoxometalate-Pyrene Hybrid. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3900-3904.	7.2	180
27	Towards dial-a-molecule by integrating continuous flow, analytics and self-optimisation. <i>Chemical Society Reviews</i> , 2016, 45, 2032-2043.	18.7	179
28	3D printing of versatile reactionware for chemical synthesis. <i>Nature Protocols</i> , 2016, 11, 920-936.	5.5	178
29	The Construction of High-Nuclearity Isopolyoxoniobates with Pentagonal Building Blocks: [HNb ₂₇ O ₇₆] ¹⁶⁻ and [H ₁₀ Nb ₃₁ O ₉₃ (CO ₃)] ²³⁻ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 113-116.	7.2	176
30	Supramolecular Metal Oxides: Programmed Hierarchical Assembly of a Protein-Sized 21 kDa [(C ₁₆ H ₃₆ N) ₁₉]{H ₂ NC(CH ₂ O) ₃ P ₂ }-Polyoxometalate Assembly. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4388-4391.	7.2	168
31	How to explore chemical space using algorithms and automation. <i>Nature Reviews Chemistry</i> , 2019, 3, 119-128.	13.8	168
32	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. <i>Journal of the American Chemical Society</i> , 2008, 130, 13876-13884.	6.6	163
33	Synthesis of Modular Inorganic-Organic Polyoxometalates and Their Assembly into Vesicles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8309-8313.	7.2	162
34	Postsynthetic Covalent Modification of Metal-Organic Framework (MOF) Materials. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4635-4637.	7.2	160
35	Digitization of multistep organic synthesis in reactionware for on-demand pharmaceuticals. <i>Science</i> , 2018, 359, 314-319.	6.0	160
36	Rapid Intermolecular Carbon-Fluorine Bond Activation of Pentafluoropyridine at Nickel(0): Comparative Reactivity of Fluorinated Arene and Fluorinated Pyridine Derivatives. <i>Organometallics</i> , 1997, 16, 4920-4928.	1.1	155

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37	Old Clusters with New Tricks: Engineering Sâ€¦â€¦S Interactions and Novel Physical Properties in Sulfite-Based Dawson Clusters. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1817-1820.	7.2	154
38	â€œMolecular Symmetry Breakersâ€•Generating Metal-Oxide-Based Nanoobject Fragments as Synthons for Complex Structures: $[Mo_{12}Eu_4O_{38}H_{10}(H_2O)_8]^{2-}$, a Giant-Cluster Dimer. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2805-2808.	7.2	153
39	Micropatterned Surfaces with Covalently Grafted Unsymmetrical Polyoxometalate-Hybrid Clusters Lead to Selective Cell Adhesion. <i>Journal of the American Chemical Society</i> , 2009, 131, 1340-1341.	6.6	153
40	Polyoxometalate Nanostructures, Superclusters, and Colloids: From Functional Clusters to Chemical Aesthetics. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 844-846.	7.2	152
41	Combining 3D printing and liquid handling to produce user-friendly reactionware for chemical synthesis and purification. <i>Chemical Science</i> , 2013, 4, 3099-3103.	3.7	150
42	3D-printed devices for continuous-flow organic chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 951-959.	1.3	147
43	Low pH Electrolytic Water Splitting Using Earth-Abundant Metastable Catalysts That Self-Assemble in Situ. <i>Journal of the American Chemical Society</i> , 2014, 136, 3304-3311.	6.6	147
44	Spontaneous assembly and real-time growth of micrometre-scale tubular structures from polyoxometalate-based inorganic solids. <i>Nature Chemistry</i> , 2009, 1, 47-52.	6.6	145
45	Development of a 3D printer using scanning projection stereolithography. <i>Scientific Reports</i> , 2015, 5, 9875.	1.6	145
46	Water-Soluble Pentagonal-Prismatic Titanium-Oxo Clusters. <i>Journal of the American Chemical Society</i> , 2016, 138, 11097-11100.	6.6	145
47	Formation of oligopeptides in high yield under simple programmable conditions. <i>Nature Communications</i> , 2015, 6, 8385.	5.8	144
48	Restraining Symmetry in the Formation of Small Polyoxomolybdates: Building Blocks of Unprecedented Topology Resulting Fromâ€œShrink-Wrappingâ€• $[H_2Mo_{16}O_{52}]_{10}^{4-}$ -Type Clusters. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4180-4183.	7.2	141
49	Design of Hydrophobic Polyoxometalate Hybrid Assemblies Beyond Surfactant Encapsulation. <i>Chemistry - A European Journal</i> , 2008, 14, 2349-2354.	1.7	141
50	Cations in control: crystal engineering polyoxometalate clusters using cation directed self-assembly. <i>Dalton Transactions</i> , 2010, 39, 9443.	1.6	140
51	A universal system for digitization and automatic execution of the chemical synthesis literature. <i>Science</i> , 2020, 370, 101-108.	6.0	140
52	3D printed flow plates for the electrolysis of water: an economic and adaptable approach to device manufacture. <i>Energy and Environmental Science</i> , 2014, 7, 3026-3032.	15.6	138
53	A High-Nuclearity â€œCeltic-Ringâ€•Isopolyoxotungstate, $[H_{12}W_{36}O_{120}]^{12-}$, That Captures Trace Potassium Ions. <i>Journal of the American Chemical Society</i> , 2004, 126, 13880-13881.	6.6	136
54	Highâ€•Performance Polyoxometalateâ€•Based Cathode Materials for Rechargeable Lithiumâ€•Ion Batteries. <i>Advanced Materials</i> , 2015, 27, 4649-4654.	11.1	136

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55	Reversible Redox Reactions in an Extended Polyoxometalate Framework Solid. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6881-6884.	7.2	135
56	Controllable Growth of Chains and Grids from Polyoxomolybdate Building Blocks Linked by Silver(I) Dimers. <i>Chemistry - A European Journal</i> , 2005, 11, 1071-1078.	1.7	130
57	Real-Time Observation of the Self-Assembly of Hybrid Polyoxometalates Using Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3720-3724.	7.2	128
58	3D Printed High-Throughput Hydrothermal Reactionware for Discovery, Optimization, and Scale-Up. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12723-12728.	7.2	126
59	Unravelling the Complexities of Polyoxometalates in Solution Using Mass Spectrometry: Protonation versus Heteroatom Inclusion. <i>Journal of the American Chemical Society</i> , 2008, 130, 1830-1832.	6.6	120
60	A Bio-Inspired, Small Molecule Electron-Coupled-Proton Buffer for Decoupling the Half-Reactions of Electrolytic Water Splitting. <i>Journal of the American Chemical Society</i> , 2013, 135, 13656-13659.	6.6	119
61	Strategies to Explore and Develop Reversible Redox Reactions of Li ⁺ in Electrode Architectures Using Silver-Polyoxometalate Clusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 3134-3138.	6.6	117
62	Self-Assembly of a Nanosized, Saddle-Shaped, Solution-Stable Polyoxometalate Anion Built from Pentagonal Building Blocks: [H ₃₄ W ₁₁₉ Se ₈ Fe ₂ O ₄₂₀] ⁵⁴⁻ . <i>Journal of the American Chemical Society</i> , 2010, 132, 11410-11411.	6.6	116
63	Controlled assembly and solution observation of a 2.6 nm polyoxometalate super TM tetrahedron cluster: [KFe ₁₂ (OH) ₁₈ (μ -1,2,3-P ₂ W ₁₅ O ₅₆) ₄] ₂₉ . <i>Chemical Communications</i> , 2007, , 4254.	2.2	115
64	A Versatile Tripodal Cu(I) Reagent for C-N Bond Construction via Nitrene-Transfer Chemistry: Catalytic Perspectives and Mechanistic Insights on C-H Aminations/Amidinations and Olefin Aziridinations. <i>Journal of the American Chemical Society</i> , 2014, 136, 11362-11381.	6.6	115
65	A classification of spin frustration in molecular magnets from a physical study of large odd-numbered-metal, odd electron rings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19113-19118.	3.3	114
66	Confined Electron-Transfer Reactions within a Molecular Metal Oxide "Trojan Horse". <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3415-3419.	7.2	113
67	The imitation game—a computational chemical approach to recognizing life. <i>Nature Biotechnology</i> , 2006, 24, 1203-1206.	9.4	113
68	Inorganic Molecular Capsules: From Structure to Function. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3576-3578.	7.2	113
69	Positive Cooperativity in the Template-Directed Synthesis of Monodisperse Macromolecules. <i>Journal of the American Chemical Society</i> , 2012, 134, 5243-5261.	6.6	113
70	Polyoxometalate Clusters Integrated into Peptide Chains and as Inorganic Amino Acids: Solution- and Solid-Phase Approaches. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3336-3341.	7.2	111
71	Nanoscale polyoxometalate-based inorganic/organic hybrids. <i>Chemical Record</i> , 2011, 11, 158-171.	2.9	109
72	Engineering porosity in a chiral heteropolyoxometalate-based framework: the supramolecular effect of benzenetricarboxylic acid. <i>Chemical Communications</i> , 2007, , 471-473.	2.2	108

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73	Capture of Periodate in a $\{W_{18}O_{54}\}$ Cluster Cage Yielding a Catalytically Active Polyoxometalate $[H_3W_{18}O_{56}(IO_6)]^{6-}$ Embedded with High-Valent Iodine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4384-4387.	7.2	107
74	One-Pot versus Sequential Reactions in the Self-Assembly of Gigantic Nanoscale Polyoxotungstates. <i>Journal of the American Chemical Society</i> , 2013, 135, 1796-1805.	6.6	104
75	Correlating the magic numbers of inorganic nanomolecular assemblies with a $\{Pd_{84}\}$ molecular-ring Rosetta Stone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11609-11612.	3.3	102
76	Sorting the Assemblies of Unsymmetrically Covalently Functionalized Mn-Anderson Polyoxometalate Clusters with Mass Spectrometry. <i>Inorganic Chemistry</i> , 2008, 47, 9137-9139.	1.9	101
77	Assembly of Modular Asymmetric Organic-Inorganic Polyoxometalate Hybrids into Anisotropic Nanostructures. <i>Journal of the American Chemical Society</i> , 2010, 132, 15490-15492.	6.6	101
78	Development of a Building Block Strategy To Access Gigantic Nanoscale Heteropolyoxotungstates by Using SeO_3^{2-} as a Template Linker. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4117-4120.	7.2	98
79	Redox tuning the Weakley-type polyoxometalate archetype for the oxygen evolution reaction. <i>Nature Catalysis</i> , 2018, 1, 208-213.	16.1	97
80	Discovery of a Family of Isopolyoxotungstates $[H_4W_{19}O_{62}]^{6-}$ Encapsulating a $\{WO_6\}$ Moiety within a $\{W_{18}\}$ Dawson-like Cluster Cage. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4798-4803.	7.2	96
81	Reversible electron-transfer reactions within a nanoscale metal oxide cage mediated by metallic substrates. <i>Nature Nanotechnology</i> , 2008, 3, 229-233.	15.6	96
82	Configurable Nanosized Metal Oxide Oligomers via Precise "Click" Coupling Control of Hybrid Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2015, 137, 5662-5665.	6.6	95
83	Solar-Driven Water Oxidation and Decoupled Hydrogen Production Mediated by an Electron-Coupled-Proton Buffer. <i>Journal of the American Chemical Society</i> , 2016, 138, 6707-6710.	6.6	95
84	Molecular Growth of Polyoxometalate Architectures Based on $[\hat{A}^+Ag\{Mo_8\}Ag\hat{A}^-]$ Synthons: Toward Designed Cluster Assemblies. <i>Crystal Growth and Design</i> , 2008, 8, 635-642.	1.4	94
85	Human versus Robots in the Discovery and Crystallization of Gigantic Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10815-10820.	7.2	94
86	Using Evolutionary Algorithms and Machine Learning to Explore Sequence Space for the Discovery of Antimicrobial Peptides. <i>CheM</i> , 2018, 4, 533-543.	5.8	94
87	Evolution of oil droplets in a chemorobotic platform. <i>Nature Communications</i> , 2014, 5, 5571.	5.8	92
88	Discovery of Heteroatom-Embedded $TeS_3\{W_{18}O_{54}\}$ Nanofunctional Polyoxometalates by Use of Cryospray Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4376-4380.	7.2	90
89	Solution-Phase Monitoring of the Structural Evolution of a Molybdenum Blue Nanoring. <i>Journal of the American Chemical Society</i> , 2012, 134, 3816-3824.	6.6	90
90	A novel polyoxometalate chain formed from heteropolyanion building blocks and rare earth metal ion linkers: $[La(H_2O)_7Al(OH)_6Mo_6O_{18}]_n \cdot 4nH_2O$. <i>Dalton Transactions RSC</i> , 2002, , 3781-3782.	2.3	89

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91	Controllable Self-Assembly of Organic-Inorganic Amphiphiles Containing Dawson Polyoxometalate Clusters. <i>Chemistry - A European Journal</i> , 2012, 18, 8157-8162.	1.7	89
92	Universal Chemical Synthesis and Discovery with "The Chemputer"™. <i>Trends in Chemistry</i> , 2020, 2, 4-12.	4.4	88
93	Magnetic characterization of the frustrated three-leg ladder compound [(CuCl ₂ tachH) ₃ Cl] ₂ . <i>Physical Review B</i> , 2004, 70, .	1.1	86
94	A Mixed-Valence Manganese Cubane Trapped by Inequivalent Trilacunary Polyoxometalate Ligands. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9154-9157.	7.2	86
95	Coordination and oxidative addition of octafluoronaphthalene at a nickel centre: isolation of an intermediate in C-F bond activation. <i>New Journal of Chemistry</i> , 2001, 25, 19-21.	1.4	85
96	Adsorption and Catalytic Properties of the Inner Nanospace of a Gigantic Ring-Shaped Polyoxometalate Cluster. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8703-8706.	7.2	85
97	Assembly of a Gigantic Polyoxometalate Cluster {W ₂₀₀ Co ₈ O ₆₆₀ } in a Networked Reactor System. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12759-12762.	7.2	85
98	Metabolic plasticity in CLL: adaptation to the hypoxic niche. <i>Leukemia</i> , 2016, 30, 65-73.	3.3	85
99	Exoplanet Biosignatures: Future Directions. <i>Astrobiology</i> , 2018, 18, 779-824.	1.5	85
100	From polyoxometalate building blocks to polymers and materials: the silver connection. <i>Journal of Materials Chemistry</i> , 2007, 17, 1903.	6.7	84
101	Structural and Compositional Control in {M ₁₂ } Cobalt and Nickel Coordination Clusters Detected Magnetochemically and with Cryospray Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1340-1344.	7.2	84
102	Unsymmetrical surface modification of a heteropolyoxotungstate via in-situ generation of monomeric and dimeric copper(ii) species. <i>Dalton Transactions</i> , 2006, , 1712.	1.6	83
103	Nucleation Mechanisms of Molecular Oxides: A Study of the Assembly-Dissassembly of [W ₆ O ₁₉] ²⁺ by Theory and Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5452-5456.	7.2	83
104	Microcalorimetry of interaction of dihydro-imidazo-phenanthridinium (DIP)-based compounds with duplex DNA. <i>Biophysical Chemistry</i> , 2007, 126, 117-123.	1.5	82
105	Extended Polyoxometalate Framework Solids: Two Mn(II)-Linked {P ₈ W ₄₈ } Network Arrays. <i>Inorganic Chemistry</i> , 2011, 50, 136-143.	1.9	82
106	Directing organic-inorganic hybrid molecular-assemblies of polyoxometalate crown-ether complexes with supramolecular cations. <i>Coordination Chemistry Reviews</i> , 2007, 251, 2547-2561.	9.5	79
107	Anion-Dependent Formation of Helicates versus Mesocates of Triple-Stranded M ₂ L ₃ (M = Fe ²⁺ , Cu ²⁺) Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 179-187.	1.9	78
108	Exploring the Programmable Assembly of a Polyoxometalate-Organic Hybrid via Metal Ion Coordination. <i>Journal of the American Chemical Society</i> , 2013, 135, 13425-13432.	6.6	78

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109	Structural Evolution of $\text{H}_4\text{W}_{22}\text{O}_{74}$ and $\text{H}_{10}\text{W}_{34}\text{O}_{116}$ Isopolyoxotungstate Clusters. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8420-8423.		77
110	General One-Pot, Three-Step Methodology Leading to an Extended Class of N-Heterocyclic Cations: $\text{Spontaneous Nucleophilic Addition, Cyclization, and Hydride Loss}$. <i>Journal of Organic Chemistry</i> , 2004, 69, 5934-5946.	1.7	75
111	Trading Templates: $\text{Supramolecular Transformations between } \{\text{Coll}13\} \text{ and } \{\text{Coll}12\} \text{ Nanoclusters}$. <i>Journal of the American Chemical Society</i> , 2008, 130, 790-791.	6.6	75
112	Controlled polymer synthesis "from biomimicry towards synthetic biology". <i>Chemical Society Reviews</i> , 2010, 39, 286-300.	18.7	75
113	Supramolecular Silver Polyoxometalate Architectures Direct the Growth of Composite Semiconducting Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6490-6493.	7.2	74
114	Controlling the Ring Curvature, Solution Assembly, and Reactivity of Gigantic Molybdenum Blue Wheels. <i>Journal of the American Chemical Society</i> , 2014, 136, 14114-14120.	6.6	74
115	A nanomaterials discovery robot for the Darwinian evolution of shape programmable gold nanoparticles. <i>Nature Communications</i> , 2020, 11, 2771.	5.8	74
116	Osmotically Driven Crystal Morphogenesis: A General Approach to the Fabrication of Micrometer-Scale Tubular Architectures Based on Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2011, 133, 5947-5954.	6.6	72
117	POMzites: A Family of Zeolitic Polyoxometalate Frameworks from a Minimal Building Block Library. <i>Journal of the American Chemical Society</i> , 2017, 139, 5930-5938.	6.6	72
118	Time-programmable drug dosing allows the manipulation, suppression and reversal of antibiotic drug resistance in vitro. <i>Nature Communications</i> , 2017, 8, 15589.	5.8	71
119	Self-assembly of a family of macrocyclic polyoxotungstates with emergent material properties. <i>Chemical Science</i> , 2011, 2, 1502.	3.7	70
120	A collection of robust methodologies for the preparation of asymmetric hybrid Mn^{II} Anderson polyoxometalates for multifunctional materials. <i>Chemical Science</i> , 2013, 4, 3810-3817.	3.7	70
121	Time-Resolved Assembly of Cluster-in-Cluster $\{\text{Ag}_{12}\}$ -in- $\{\text{W}_{76}\}$ Polyoxometalates under Supramolecular Control. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10362-10366.	7.2	70
122	Coordination Networks through the Dimensions: $\text{From Discrete Clusters to 1D, 2D, and 3D Silver(I) Coordination Polymers with Rigid Aliphatic Amino Ligands}$. <i>Inorganic Chemistry</i> , 2004, 43, 4953-4961.	1.9	69
123	Heteroatom-Controlled Kinetics of Switchable Polyoxometalate Frameworks. <i>Journal of the American Chemical Society</i> , 2009, 131, 4180-4181.	6.6	69
124	Modular Redox-Active Inorganic Chemical Cells: iCHELLs. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10373-10376.	7.2	69
125	A Bioelectrochemical Approach to Characterize Extracellular Electron Transfer by <i>Synechocystis</i> sp. PCC6803. <i>PLoS ONE</i> , 2014, 9, e91484.	1.1	69
126	Highly Stable Phenanthridinium Frameworks as a New Class of Tunable DNA Binding Agents with Cytotoxic Properties. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4504-4506.	2.9	68

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127	Continuous parallel ESI-MS analysis of reactions carried out in a bespoke 3D printed device. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 285-291.	1.5	67
128	An autonomous organic reaction search engine for chemical reactivity. <i>Nature Communications</i> , 2017, 8, 15733.	5.8	66
129	Identifying molecules as biosignatures with assembly theory and mass spectrometry. <i>Nature Communications</i> , 2021, 12, 3033.	5.8	66
130	Exploiting the multifunctionality of organocations in the assembly of hybrid polyoxometalate clusters and networks. <i>Chemical Communications</i> , 2007, , 468-470.	2.2	65
131	Reverse Vesicle Formation of Organic-Inorganic Polyoxometalate-Containing Hybrid Surfactants with Tunable Sizes. <i>Chemistry - A European Journal</i> , 2010, 16, 11320-11324.	1.7	65
132	Towards Polyoxometalate-Cluster-Based Nano-Electronics. <i>Chemistry - A European Journal</i> , 2013, 19, 16502-16511.	1.7	65
133	Customizable 3D Printed "Plug and Play" Millifluidic Devices for Programmable Fluidics. <i>PLoS ONE</i> , 2015, 10, e0141640.	1.1	65
134	Beyond prebiotic chemistry. <i>Science</i> , 2016, 352, 1174-1175.	6.0	65
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