

Lee Cronin

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516
papers

28,179
citations

81
h-index

146
g-index

658
ext. papers

31,172
ext. citations

10.2
avg. IF

7.53
L-index

#	Paper	IF	Citations
516	Polyoxometalate clusters, nanostructures and materials: from self assembly to designer materials and devices. <i>Chemical Society Reviews</i> , 2007 , 36, 105-21	58.5	1858
515	Polyoxometalates: building blocks for functional nanoscale systems. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1736-58	16.4	1771
514	Engineering polyoxometalates with emergent properties. <i>Chemical Society Reviews</i> , 2012 , 41, 7403-30	58.5	679
513	Metal bis-1,2-dithiolene complexes in conducting or magnetic crystalline assemblies. <i>Coordination Chemistry Reviews</i> , 2002 , 227, 93-127	23.2	540
512	Integrated 3D-printed reactionware for chemical synthesis and analysis. <i>Nature Chemistry</i> , 2012 , 4, 349-54	57.6	481
511	Decoupled catalytic hydrogen evolution from a molecular metal oxide redox mediator in water splitting. <i>Science</i> , 2014 , 345, 1326-30	33.3	425
510	Configurable 3D-Printed millifluidic and microfluidic 'lab on a chip' reactionware devices. <i>Lab on A Chip</i> , 2012 , 12, 3267-71	7.2	379
509	Polyoxometalate als Bausteine für funktionelle Nanosysteme. <i>Angewandte Chemie</i> , 2010 , 122, 1780-1803	3.6	359
508	Decoupling hydrogen and oxygen evolution during electrolytic water splitting using an electron-coupled-proton buffer. <i>Nature Chemistry</i> , 2013 , 5, 403-9	17.6	341
507	Controlling an organic synthesis robot with machine learning to search for new reactivity. <i>Nature</i> , 2018 , 559, 377-381	50.4	288
506	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, 14408-9	16.4	279
505	Polyoxometalate based open-frameworks (POM-OFs). <i>Chemical Society Reviews</i> , 2014 , 43, 5679-99	58.5	275
504	Polyoxometalate-mediated self-assembly of single-molecule magnets: $\{[\text{XW}_9\text{O}_{34}]_2[\text{Mn}(\text{III})_4\text{Mn}(\text{II})_2\text{O}_4(\text{H}_2\text{O})_4]\}_2$. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5609-12	16.4	246
503	Design and fabrication of memory devices based on nanoscale polyoxometalate clusters. <i>Nature</i> , 2014 , 515, 545-9	50.4	243
502	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, 788-93	17.6	242
501	Face-directed self-assembly of an electronically active Archimedean polyoxometalate architecture. <i>Nature Chemistry</i> , 2010 , 2, 308-12	17.6	238
500	Modular assembly of a functional polyoxometalate-based open framework constructed from unsupported AgI--AgI interactions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7579-82	16.4	235

- 499 Unveiling the transient template in the self-assembly of a molecular oxide nanowheel. *Science*, **2010**, 327, 72-4 33.3 227
- 498 Unravelling the complexities of inorganic and supramolecular self-assembly in solution with electrospray and cryospray mass spectrometry. *Chemical Communications*, **2009**, 1297-311 5.8 214
- 497 Towards polyoxometalate-integrated nanosystems. *Chemistry - A European Journal*, **2006**, 12, 3698-706 4.8 209
- 496 Organic synthesis in a modular robotic system driven by a chemical programming language. *Science*, **2019**, 363, 33.3 178
- 495 Noncovalently connected frameworks with nanoscale channels assembled from a tethered polyoxometalate-pyrene hybrid. *Angewandte Chemie - International Edition*, **2007**, 46, 3900-4 16.4 174
- 494 A self optimizing synthetic organic reactor system using real-time in-line NMR spectroscopy. *Chemical Science*, **2015**, 6, 1258-1264 9.4 173
- 493 Supramolecular metal oxides: programmed hierarchical assembly of a protein-sized 21 kDa [(C16H36N)19{H2NC(CH2O)3P2V3W15O59}4]5- polyoxometalate assembly. *Angewandte Chemie - International Edition*, **2008**, 47, 4388-91 16.4 163
- 492 The construction of high-nuclearity isopolyoxoniobates with pentagonal building blocks: [HNb27O76]16- and [H10Nb31O93(CO3)]23-. *Angewandte Chemie - International Edition*, **2010**, 49, 113-6 16.4 156
- 491 From Chemical Gardens to Chemobrionics. *Chemical Reviews*, **2015**, 115, 8652-703 68.1 155
- 490 Postsynthetic covalent modification of metal-organic framework (MOF) materials. *Angewandte Chemie - International Edition*, **2008**, 47, 4635-7 16.4 154
- 489 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, 13876-84 16.4 153
- 488 Synthesis of modular "inorganic-organic-inorganic" polyoxometalates and their assembly into vesicles. *Angewandte Chemie - International Edition*, **2009**, 48, 8309-13 16.4 152
- 487 Micropatterned surfaces with covalently grafted unsymmetrical polyoxometalate-hybrid clusters lead to selective cell adhesion. *Journal of the American Chemical Society*, **2009**, 131, 1340-1 16.4 147
- 486 Design and synthesis of polyoxometalate-framework materials from cluster precursors. *Nature Reviews Materials*, **2017**, 2, 73.3 146
- 485 Old clusters with new tricks: engineering S...S interactions and novel physical properties in sulfite-based Dawson clusters. *Angewandte Chemie - International Edition*, **2004**, 43, 1817-20 16.4 145
- 484 Polyoxometalate Nanostructures, Superclusters, and Colloids: From Functional Clusters to Chemical Aesthetics. *Angewandte Chemie - International Edition*, **2005**, 44, 844-846 16.4 142
- 483 3D printing of versatile reactionware for chemical synthesis. *Nature Protocols*, **2016**, 11, 920-36 18.8 140
- 482 Rapid Intermolecular Carbon-Fluorine Bond Activation of Pentafluoropyridine at Nickel(0): Comparative Reactivity of Fluorinated Arene and Fluorinated Pyridine Derivatives. *Organometallics*, **1997**, 16, 4920-4928 3.8 137

481	Combining 3D printing and liquid handling to produce user-friendly reactionware for chemical synthesis and purification. <i>Chemical Science</i> , 2013 , 4, 3099-3103	9.4	136
480	"Molecular symmetry breakers" generating metal-oxide-based nanoobject fragments as synthons for complex structures: $[[\text{Mo}(128)\text{Eu}(4)\text{O}(388)\text{H}(10)(\text{H}(2)\text{O})(81)](2)](20-)$, a giant-cluster dimer. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2805-8	16.4	135
479	Spontaneous assembly and real-time growth of micrometre-scale tubular structures from polyoxometalate-based inorganic solids. <i>Nature Chemistry</i> , 2009 , 1, 47-52	17.6	134
478	Design of hydrophobic polyoxometalate hybrid assemblies beyond surfactant encapsulation. <i>Chemistry - A European Journal</i> , 2008 , 14, 2349-54	4.8	134
477	Towards dial-a-molecule by integrating continuous flow, analytics and self-optimisation. <i>Chemical Society Reviews</i> , 2016 , 45, 2032-43	58.5	132
476	3D-printed devices for continuous-flow organic chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 951-9	2.5	131
475	A high-nuclearity "Celtic-ring" isopolyoxotungstate, $[\text{H}_{12}\text{W}_{36}\text{O}_{120}]^{12-}$, that captures trace potassium ions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13880-1	16.4	131
474	Cations in control: crystal engineering polyoxometalate clusters using cation directed self-assembly. <i>Dalton Transactions</i> , 2010 , 39, 9443-57	4.3	124
473	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, 3304-11	16.4	123
472	Restraining symmetry in the formation of small polyoxomolybdates: building blocks of unprecedented topology resulting from "shrink-wrapping" $[\text{H}_2\text{Mo}_{16}\text{O}_{52}]^{10-}$ -type clusters. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4180-3	16.4	122
471	Controllable growth of chains and grids from polyoxomolybdate building blocks linked by silver(I) dimers. <i>Chemistry - A European Journal</i> , 2005 , 11, 1071-8	4.8	122
470	Reversible redox reactions in an extended polyoxometalate framework solid. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6881-4	16.4	121
469	Development of a 3D printer using scanning projection stereolithography. <i>Scientific Reports</i> , 2015 , 5, 9875	4.9	117
468	Digitization of multistep organic synthesis in reactionware for on-demand pharmaceuticals. <i>Science</i> , 2018 , 359, 314-319	33.3	117
467	Highly reduced and protonated aqueous solutions of [PWO] for on-demand hydrogen generation and energy storage. <i>Nature Chemistry</i> , 2018 , 10, 1042-1047	17.6	113
466	High-Performance Polyoxometalate-Based Cathode Materials for Rechargeable Lithium-Ion Batteries. <i>Advanced Materials</i> , 2015 , 27, 4649-54	24	113
465	Real-time observation of the self-assembly of hybrid polyoxometalates using mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3720-4	16.4	113
464	Water-Soluble Pentagonal-Prismatic Titanium-Oxo Clusters. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11097-100	16.4	112

463	Unravelling the complexities of polyoxometalates in solution using mass spectrometry: protonation versus heteroatom inclusion. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1830-2	16.4	112
462	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	35.4	111
461	3D printed high-throughput hydrothermal reactionware for discovery, optimization, and scale-up. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12723-8	16.4	111
460	Formation of oligopeptides in high yield under simple programmable conditions. <i>Nature Communications</i> , 2015 , 6, 8385	17.4	110
459	Controlled assembly and solution observation of a 2.6 nm polyoxometalate 'super' tetrahedron cluster: [KFe ₁₂ (OH) ₁₈ (α-1,2,3-P ₂ W ₁₅ O ₅₆) ₄] ₂₉ ⁻ . <i>Chemical Communications</i> , 2007 , 4254-6	5.8	110
458	Inorganic molecular capsules: from structure to function. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3576-8	16.4	108
457	Engineering porosity in a chiral heteropolyoxometalate-based framework: the supramolecular effect of benzenetricarboxylic acid. <i>Chemical Communications</i> , 2007 , 471-3	5.8	106
456	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, 11410-1	16.4	105
455	Confined electron-transfer reactions within a molecular metal oxide "Trojan Horse". <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3415-9	16.4	105
454	Capture of periodate in a {W ₁₈ O ₅₄ } cluster cage yielding a catalytically active polyoxometalate [H ₃ W ₁₈ O ₅₆ (IO ₆) ₆]- embedded with high-valent iodine. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4384-7	16.4	104
453	How to explore chemical space using algorithms and automation. <i>Nature Reviews Chemistry</i> , 2019 , 3, 119-128	34.6	103
452	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, 19113-8	11.5	102
451	Positive cooperativity in the template-directed synthesis of monodisperse macromolecules. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5243-61	16.4	101
450	Nanoscale polyoxometalate-based inorganic/organic hybrids. <i>Chemical Record</i> , 2011 , 11, 158-71	6.6	99
449	Assembly of modular asymmetric organic-inorganic polyoxometalate hybrids into anisotropic nanostructures. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15490-2	16.4	98
448	Sorting the assemblies of unsymmetrically covalently functionalized mn-anderson polyoxometalate clusters with mass spectrometry. <i>Inorganic Chemistry</i> , 2008 , 47, 9137-9	5.1	95
447	Polyoxometalate clusters integrated into peptide chains and as inorganic amino acids: solution- and solid-phase approaches. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3336-41	16.4	93
446	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, 11362-81	16.4	93

445	Correlating the magic numbers of inorganic nanomolecular assemblies with a {Pd84} molecular-ring Rosetta Stone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11609-12	11.5	92
444	One-pot versus sequential reactions in the self-assembly of gigantic nanoscale polyoxotungstates. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1796-805	16.4	91
443	Reversible electron-transfer reactions within a nanoscale metal oxide cage mediated by metallic substrates. <i>Nature Nanotechnology</i> , 2008 , 3, 289-33	28.7	91
442	Molecular Growth of Polyoxometalate Architectures Based on [Ag{Mo8}Ag] Synthons: Toward Designed Cluster Assemblies. <i>Crystal Growth and Design</i> , 2008 , 8, 635-642	3.5	90
441	Discovery of a family of isopolyoxotungstates [H4W19O62]6- encapsulating a {WO6} moiety within a {W18} Dawson-like cluster cage. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4798-803	16.4	89
440	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, 13656-9	16.4	87
439	Development of a building block strategy to access gigantic nanoscale heteropolyoxotungstates by using SeO3(2-) as a template linker. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4117-20	16.4	86
438	A novel polyoxometalate chain formed from heteropolyanion building blocks and rare earth metal ion linkers: [La(H2O)7Al(OH)6Mo6O18]n·4nH2O. <i>Dalton Transactions RSC</i> , 2002 , 3781-3782		86
437	Configurable Nanosized Metal Oxide Oligomers via Precise "Click" Coupling Control of Hybrid Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5662-5	16.4	82
436	Microcalorimetry of interaction of dihydro-imidazo-phenanthridinium (DIP)-based compounds with duplex DNA. <i>Biophysical Chemistry</i> , 2007 , 126, 117-23	3.5	81
435	From polyoxometalate building blocks to polymers and materials: the silver connection. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1903		81
434	Unsymmetrical surface modification of a heteropolyoxotungstate via in-situ generation of monomeric and dimeric copper(II) species. <i>Dalton Transactions</i> , 2006 , 1712-4	4.3	81
433	Human versus Robots in the Discovery and Crystallization of Gigantic Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10815-10820	16.4	80
432	Solution-phase monitoring of the structural evolution of a Molybdenum Blue nanoring. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3816-24	16.4	80
431	A mixed-valence manganese cubane trapped by inequivalent trillacunary polyoxometalate ligands. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9154-7	16.4	80
430	Discovery of heteroatom-"embedded" Te {W18O54} nanofunctional polyoxometalates by use of cryospray mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4376-80	16.4	80
429	Adsorption and catalytic properties of the inner nanospace of a gigantic ring-shaped polyoxometalate cluster. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8703-6	16.4	80
428	Structural and compositional control in {M12} cobalt and nickel coordination clusters detected magnetochemically and with cryospray mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1340-4	16.4	80

427	The imitation game--a computational chemical approach to recognizing life. <i>Nature Biotechnology</i> , 2006 , 24, 1203-6	44.5	79
426	Magnetic characterization of the frustrated three-leg ladder compound [(CuCl ₂ tachH) ₃ Cl] ₂ . <i>Physical Review B</i> , 2004 , 70,	3.3	79
425	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, 5452-6	16.4	78
424	Coordination and oxidative addition of octafluoronaphthalene at a nickel centre: isolation of an intermediate in C≡C bond activation. <i>New Journal of Chemistry</i> , 2001 , 25, 19-21	3.6	78
423	Strategies to Explore and Develop Reversible Redox Reactions of Li-S in Electrode Architectures Using Silver-Polyoxometalate Clusters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3134-3138	16.4	76
422	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, 12759-62	16.4	75
421	Extended polyoxometalate framework solids: two Mn(II)-linked {P ₈ W ₄₈ } network arrays. <i>Inorganic Chemistry</i> , 2011 , 50, 136-43	5.1	75
420	Structural evolution of "S"-shaped [H ₄ W ₂₂ O ₇₄] ¹²⁻ and "section sign"-shaped [H ₁₀ W ₃₄ O ₁₁₆] ¹⁸⁻ isopolyoxotungstate clusters. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8420-3	16.4	75
419	Polyoxometalate-Mediated Self-Assembly of Single-Molecule Magnets: {[XW ₉ O ₃₄] ₂ [Mn ^{III} ₄ Mn ^{II} ₂ O ₄ (H ₂ O) ₄] ₁₂ }. <i>Angewandte Chemie</i> , 2008 , 120, 5691-5694	3.6	74
418	Directing organic-inorganic hybrid molecular-assemblies of polyoxometalate crown-ether complexes with supramolecular cations. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 2547-2561	23.2	73
417	Trading templates: supramolecular transformations between {Co ₁₁ 13} and {Co ₁₁ 12} nanoclusters. <i>Journal of the American Chemical Society</i> , 2008 , 130, 790-1	16.4	72
416	Controllable self-assembly of organic-inorganic amphiphiles containing Dawson polyoxometalate clusters. <i>Chemistry - A European Journal</i> , 2012 , 18, 8157-62	4.8	71
415	Evolution of oil droplets in a chemorobotic platform. <i>Nature Communications</i> , 2014 , 5, 5571	17.4	70
414	Exploring the programmable assembly of a polyoxometalate-organic hybrid via metal ion coordination. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13425-32	16.4	68
413	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, 5947-54	16.4	68
412	General one-pot, three-step methodology leading to an extended class of N-heterocyclic cations: spontaneous nucleophilic addition, cyclization, and hydride loss. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5934-46	4.2	68
411	Continuous parallel ESI-MS analysis of reactions carried out in a bespoke 3D printed device. <i>Beilstein Journal of Nanotechnology</i> , 2013 , 4, 285-91	3	67
410	Redox tuning the Weakley-type polyoxometalate archetype for the oxygen evolution reaction. <i>Nature Catalysis</i> , 2018 , 1, 208-213	36.5	66

- 409 Anion-dependent formation of helicates versus mesocates of triple-stranded M₂L₃ (M = Fe²⁺, Cu²⁺) complexes. *Inorganic Chemistry*, **2012**, 51, 179-87 5.1 66
- 408 Supramolecular silver polyoxometalate architectures direct the growth of composite semiconducting nanostructures. *Angewandte Chemie - International Edition*, **2009**, 48, 6490-3 16.4 66
- 407 Coordination networks through the dimensions: from discrete clusters to 1D, 2D, and 3D silver(I) coordination polymers with rigid aliphatic amino ligands. *Inorganic Chemistry*, **2004**, 43, 4953-61 5.1 66
- 406 A collection of robust methodologies for the preparation of asymmetric hybrid Mn^{II}-Anderson polyoxometalates for multifunctional materials. *Chemical Science*, **2013**, 4, 3810-3817 9.4 65
- 405 Exploiting the multifunctionality of organocations in the assembly of hybrid polyoxometalate clusters and networks. *Chemical Communications*, **2007**, 468-70 5.8 64
- 404 Highly stable phenanthridinium frameworks as a new class of tunable DNA binding agents with cytotoxic properties. *Journal of Medicinal Chemistry*, **2005**, 48, 4504-6 8.3 64
- 403 Solar-Driven Water Oxidation and Decoupled Hydrogen Production Mediated by an Electron-Coupled-Proton Buffer. *Journal of the American Chemical Society*, **2016**, 138, 6707-10 16.4 64
- 402 Heteroatom-controlled kinetics of switchable polyoxometalate frameworks. *Journal of the American Chemical Society*, **2009**, 131, 4180-1 16.4 62
- 401 Controlled polymer synthesis--from biomimicry towards synthetic biology. *Chemical Society Reviews*, **2010**, 39, 286-300 58.5 62
- 400 Reverse-vesicle formation of organic-inorganic polyoxometalate-containing hybrid surfactants with tunable sizes. *Chemistry - A European Journal*, **2010**, 16, 11320-4 4.8 61
- 399 Time-resolved assembly of cluster-in-cluster {Ag₄In-^W} polyoxometalates under supramolecular control. *Angewandte Chemie - International Edition*, **2014**, 53, 10362-6 16.4 60
- 398 Controlling the ring curvature, solution assembly, and reactivity of gigantic molybdenum blue wheels. *Journal of the American Chemical Society*, **2014**, 136, 14114-20 16.4 60
- 397 Mapping the sequential self-assembly of heterometallic clusters: from a helix to a grid. *Angewandte Chemie - International Edition*, **2011**, 50, 4844-8 16.4 60
- 396 "Bottom-up" meets "top-down" assembly in nanoscale polyoxometalate clusters: self-assembly of [P₄W₅O₁₇]²⁴⁻ and disassembly to [P₃W₃O₁₃]¹⁹⁻. *Journal of the American Chemical Society*, **2008**, 130, 14946-7 16.4 59
- 395 Supramolecular assembly of ligand-directed triangular [Cu(II)₃Cl] clusters with spin frustration and spin-chain behaviour. *Chemical Communications*, **2004**, 1580-1 5.8 59
- 394 High Nuclearity Clusters: Iso and Heteropolyoxoanions and Relatives **2003**, 1-56 59
- 393 POMzites: A Family of Zeolitic Polyoxometalate Frameworks from a Minimal Building Block Library. *Journal of the American Chemical Society*, **2017**, 139, 5930-5938 16.4 58
- 392 Reactions of a {Mo₁₆}-type polyoxometalate cluster with electrophiles: a synthetic, theoretical and magnetic investigation. *Dalton Transactions*, **2005**, 1372-80 4.3 58

391	Influence of organic amines on the self-assembly of hybrid polyoxo-molybdenum(V) phosphate frameworks. <i>CrystEngComm</i> , 2006 , 8, 629	3.3	58
390	Exoplanet Biosignatures: Future Directions. <i>Astrobiology</i> , 2018 , 18, 779-824	3.7	58
389	Controlling Growth of Novel Solid-State Materials via Discrete Molybdenum-Oxide-Based Building Blocks as Synthons. <i>Journal of Solid State Chemistry</i> , 2000 , 152, 57-67	3.3	57
388	Using Evolutionary Algorithms and Machine Learning to Explore Sequence Space for the Discovery of Antimicrobial Peptides. <i>CheM</i> , 2018 , 4, 533-543	16.2	56
387	Design and synthesis of "dumb-bell" and "triangular" inorganic-organic hybrid nanopolyoxometalate clusters and their characterisation through ESI-MS analyses. <i>Chemistry - A European Journal</i> , 2011 , 17, 7472-9	4.8	56
386	Real-time direction control of self fabricating polyoxometalate-based microtubes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8368-9	16.4	56
385	The trinity of polyoxometalates: connecting {M12} Keggin and {M18} Dawson clusters to triangles. <i>Chemical Communications</i> , 2009 , 2712-4	5.8	56
384	Ligand and counterion control of Ag(I) architectures: assembly of a {Ag8} ring cluster mediated by hydrophobic and Ag...Ag interactions. <i>Inorganic Chemistry</i> , 2007 , 46, 9090-7	5.1	56
383	Metabolic plasticity in CLL: adaptation to the hypoxic niche. <i>Leukemia</i> , 2016 , 30, 65-73	10.7	55
382	Controlling nucleation of the cyclic heteropolyanion {P8W48}: a cobalt-substituted phosphotungstate chain and network. <i>CrystEngComm</i> , 2009 , 11, 36-39	3.3	55
381	A universal system for digitization and automatic execution of the chemical synthesis literature. <i>Science</i> , 2020 , 370, 101-108	33.3	55
380	Nanoscale growth of molecular oxides: assembly of a {V6} double cubane between two lacunary {P2W15} polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2115-8	16.4	52
379	A bioelectrochemical approach to characterize extracellular electron transfer by <i>Synechocystis</i> sp. PCC6803. <i>PLoS ONE</i> , 2014 , 9, e91484	3.7	52
378	Supramolecular Metal Oxides: Programmed Hierarchical Assembly of a Protein-Sized 21 kDa [(C16H36N)19{H2NC(CH2O)3P2V3W15O59}4]5 Polyoxometalate Assembly. <i>Angewandte Chemie</i> , 2008 , 120, 4460-4463	3.6	52
377	Universal Chemical Synthesis and Discovery with The Chemputer <i>Trends in Chemistry</i> , 2020 , 2, 4-12	14.8	52
376	Time-programmable drug dosing allows the manipulation, suppression and reversal of antibiotic drug resistance in vitro. <i>Nature Communications</i> , 2017 , 8, 15589	17.4	51
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