Simon J Teat

List of Publications by Year in descending order

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158 papers	7,253 citations	50276 46 h-index	64796 79 g-index
166 all docs	166 docs citations	166 times ranked	7461 citing authors

#	Article	IF	Citations
1	High-temperature magnetic blocking and magneto-structural correlations in a series of dysprosium(<scp>iii</scp>) metallocenium single-molecule magnets. Chemical Science, 2018, 9, 8492-8503.	7.4	405
2	[Mn^{III}₄Ln^{III}₄] Calix[4]arene Clusters as Enhanced Magnetic Coolers and Molecular Magnets. Journal of the American Chemical Society, 2010, 132, 12983-12990.	13.7	278
3	Solution Processable MOF Yellow Phosphor with Exceptionally High Quantum Efficiency. Journal of the American Chemical Society, 2014, 136, 16724-16727.	13.7	254
4	Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C6 alkane isomers. Nature Communications, 2018, 9, 1745.	12.8	251
5	Phosphonate Ligands Stabilize Mixed-Valent {MnIII20â˜xMnIIx} Clusters with Large Spin and Coercivity. Angewandte Chemie - International Edition, 2005, 44, 5044-5048.	13.8	233
6	A Family of Highly Efficient CuI-Based Lighting Phosphors Prepared by a Systematic, Bottom-up Synthetic Approach. Journal of the American Chemical Society, 2015, 137, 9400-9408.	13.7	211
7	Heterodimetallic [LnLnâ€²] Lanthanide Complexes: Toward a Chemical Design of Two-Qubit Molecular Spin Quantum Gates. Journal of the American Chemical Society, 2014, 136, 14215-14222.	13.7	201
8	Three-Way Crystal-to-Crystal Reversible Transformation and Controlled Spin Switching by a Nonporous Molecular Material. Journal of the American Chemical Society, 2014, 136, 3869-3874.	13.7	176
9	A New High-Flux Chemical and Materials Crystallography Station at the SRS Daresbury. 1. Design, Construction and Test Results. Journal of Synchrotron Radiation, 1997, 4, 279-286.	2.4	171
10	Reversible coordinative binding and separation of sulfur dioxide in a robust metalâ€“organic framework with open copper sites. Nature Materials, 2019, 18, 1358-1365.	27.5	171
11	Sequestering uranium from seawater: binding strength and modes of uranyl complexes with glutarimidedioxime. Dalton Transactions, 2012, 41, 11579.	3.3	156
12	Achieving exceptionally high luminescence quantum efficiency by immobilizing an AIE molecular chromophore into a metalâ€“organic framework. Chemical Communications, 2015, 51, 3045-3048.	4.1	148
13	All-in-One: Achieving Robust, Strongly Luminescent and Highly Dispersible Hybrid Materials by Combining Ionic and Coordinate Bonds in Molecular Crystals. Journal of the American Chemical Society, 2017, 139, 9281-9290.	13.7	146
14	Hydrolytic stability in hemilabile metalâ€“organic frameworks. Nature Chemistry, 2018, 10, 1096-1102.	13.6	134
15	Chiral transcription in self-assembled tetrahedral Eu4L6 chiral cages displaying sizable circularly polarized luminescence. Nature Communications, 2017, 8, 1128.	12.8	128
16	A Systematic Approach to Achieving High Performance Hybrid Lighting Phosphors with Excellent Thermalâ€•and Photostability. Advanced Functional Materials, 2017, 27, 1603444.	14.9	125
17	I19, the small-molecule single-crystal diffraction beamline at Diamond Light Source. Journal of Synchrotron Radiation, 2012, 19, 435-441.	2.4	123
18	A Magnetoâ€optical Molecular Device: Interplay of Spin Crossover, Luminescence, Photomagnetism, and Photochromism. Angewandte Chemie - International Edition, 2017, 56, 15622-15627.	13.8	117

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19	Capture of nitrogen dioxide and conversion to nitric acid in a porous metalâ€“organic framework. Nature Chemistry, 2019, 11, 1085-1090.	13.6	116
20	Calix[4]areneâ€Based Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2009, 48, 8285-8288.	13.8	109
21	A nature-inspired hydrogen-bonded supramolecular complex for selective copper ion removal from water. Nature Communications, 2020, 11, 3947.	12.8	86
22	Lanthanide Contraction within a Series of Asymmetric Dinuclear [Ln₂] Complexes. Chemistry - A European Journal, 2013, 19, 5881-5891.	3.3	84
23	A rapidly-reversible absorptive and emissive vapochromic Pt(II) pincer-based chemical sensor. Nature Communications, 2017, 8, 1800.	12.8	83
24	Diversity-oriented synthesis of polymer membranes with ion solvation cages. Nature, 2021, 592, 225-231.	27.8	83
25	Single crystals of mechanically entwined helical covalent polymers. Nature Chemistry, 2021, 13, 660-665.	13.6	82
26	Supramolecular Motifs in s-Block Metal-Bound Sulfonated Monoazo Dyes, Part 1: Structural Class Controlled by Cation Type and Modulated by Sulfonate Aryl Ring Position. Chemistry - A European Journal, 2004, 10, 4606-4615.	3.3	77
27	Combining Azide, Carboxylate, and 2-Pyridyloximate Ligands in Transition-Metal Chemistry: Ferromagnetic NiII5Clusters with a Bowtie Skeleton. Inorganic Chemistry, 2010, 49, 10486-10496.	4.0	76
28	A Family of Calix[4]areneâ€Supported [Mn^{III}₂Mn^{II}₂] Clusters. Chemistry - A European Journal, 2011, 17, 7521-7530.	3.3	74
29	Chromophore-Based Luminescent Metalâ€“Organic Frameworks as Lighting Phosphors. Inorganic Chemistry, 2016, 55, 7250-7256.	4.0	74
30	Blending Ionic and Coordinate Bonds in Hybrid Semiconductor Materials: A General Approach toward Robust and Solution-Processable Covalent/Coordinate Network Structures. Journal of the American Chemical Society, 2020, 142, 4242-4253.	13.7	72
31	Chromophore-immobilized luminescent metalâ€“organic frameworks as potential lighting phosphors and chemical sensors. Chemical Communications, 2016, 52, 10249-10252.	4.1	70
32	Quest for Environmentally Benign Ligands for Actinide Separations: Thermodynamic, Spectroscopic, and Structural Characterization of U^{VI} Complexes with Oxaâ€Diamide and Related Ligands. Chemistry - A European Journal, 2009, 15, 4172-4181.	3.3	68
33	Coordination Polymer Chains of Dimeric Pyrogallol[4]arene Capsules. Journal of the American Chemical Society, 2011, 133, 11069-11071.	13.7	67
34	Calix[4]arene-supported rare earth octahedra. Chemical Communications, 2012, 48, 1449-1451.	4.1	65
35	para-Azaquinodimethane: A Compact Quinodimethane Variant as an Ambient Stable Building Block for High-Performance Low Band Gap Polymers. Journal of the American Chemical Society, 2017, 139, 8355-8363.	13.7	65
36	Metalâ€“Organic Calixarene Nanotubes. Angewandte Chemie - International Edition, 2010, 49, 4205-4208.	13.8	61

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37	A family of heterometallic wheels containing potentially fourteen hundred siblings. Chemical Communications, 2005, , 1125-1127.	4.1	59
38	Molecules Composed of Two Weakly Magnetically Coupled [MnIII4] Clusters. Inorganic Chemistry, 2007, 46, 9045-9047.	4.0	55
39	Use of the Sulfato Ligand in 3d-Metal Cluster Chemistry: A Family of Hexanuclear Nickel(II) Complexes with 2-Pyridyl-Substituted Oxime Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 2761-2774.	2.0	54
40	Enhanced control over metal composition in mixed Ga/Zn and Ga/Cu coordinated pyrogallol[4]arene nanocapsules. Chemical Communications, 2009, , 3348.	4.1	53
41	Purification of Propylene and Ethylene by a Robust Metalâ€“Organic Framework Mediated by Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2021, 60, 15541-15547.	13.8	51
42	Synthesis and Properties of a Family of Unsymmetric Dinuclear Complexes of Ln^{III} (Ln = Eu,) Tj ETQq0 0 0 rgBT /Overlock 10	4.0	50
43	High-Performance Blue-Excitable Yellow Phosphor Obtained from an Activated Solvochromic Bismuth-Fluorophore Metalâ€“Organic Framework. Crystal Growth and Design, 2016, 16, 4178-4182.	3.0	50
44	The First Red Azo Lake Pigment whose Structure is Characterized by Single Crystal Diffraction. Angewandte Chemie - International Edition, 2000, 39, 638-640.	13.8	48
45	Encapsulation of a Cr^{III} Singleâ€Ion Magnet within an Fe^{II} Spinâ€Crossover Supramolecular Host. Angewandte Chemie - International Edition, 2018, 57, 13509-13513.	13.8	48
46	From 1D Chain to 3D Network: A New Family of Inorganicâ€“Organic Hybrid Semiconductors MO₃(L)_x (M = Mo, W; L = Organic Linker) Built on Perovskite-like Structure Modules. Journal of the American Chemical Society, 2013, 135, 17401-17407.	13.7	47
47	Structural and Thermodynamic Study of the Complexes of Nd(III) with N,N,Nâ€²,Nâ€²-Tetramethyl-3-oxa-glutaramide and the Acid Analogues. Inorganic Chemistry, 2014, 53, 9477-9485.	4.0	47
48	Structural and spectroscopic studies of a rare non-oxido V(<scp>v</scp>) complex crystallized from aqueous solution. Chemical Science, 2016, 7, 2775-2786.	7.4	47
49	Guestâ€, Lightâ€and Thermallyâ€Modulated Spin Crossover in [Fe^{II}₂] Supramolecular Helicates. Chemistry - A European Journal, 2016, 22, 8635-8645.	3.3	46
50	Rational design of a high-efficiency, multivariate metalâ€“organic framework phosphor for white LED bulbs. Chemical Science, 2020, 11, 1814-1824.	7.4	43
51	A mechanochemical route toward the rational, systematic, and cost-effective green synthesis of strongly luminescent copper iodide based hybrid phosphors. Journal of Materials Chemistry C, 2017, 5, 5962-5969.	5.5	42
52	Designed Topology and Siteâ€Selective Metal Composition in Tetranuclear [MMâ€²â‹…â‹…â‹…â‹…Mâ€²M] Linear Complexes. Chemistry - A European Journal, 2009, 15, 11235-11243.	3.3	41
53	Time-resolved luminescence detection of peroxynitrite using a reactivity-based lanthanide probe. Chemical Science, 2020, 11, 3164-3170.	7.4	41
54	Supramolecular motifs in s-block metal bound sulfonated monoazo dyes. Dalton Transactions RSC, 2001, , 2199-2205.	2.3	40

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55	A rare mixed-valence state manganese(II/IV) tetranuclear cage formed using phenyl 2-pyridyl ketone oxime and azide as ligands. Inorganic Chemistry Communication, 2006, 9, 638-641.	3.9	39
56	Employment of methyl 2-pyridyl ketone oxime in manganese non-carboxylate chemistry: MnII2MnIV and MnII2MnIII6 complexes. Dalton Transactions, 2009, , 1004.	3.3	39
57	A structural and spectrophotometric study on the complexation of Am(<scp>iii</scp>) with TMOGA in comparison with the extracted complex of DMDOOGA. Dalton Transactions, 2015, 44, 18469-18474.	3.3	39
58	Highly efficient and very robust blue-excitable yellow phosphors built on multiple-stranded one-dimensional inorganicâ€“organic hybrid chains. Chemical Science, 2019, 10, 5363-5372.	7.4	38
59	Incorporation of sulfonate dyes into hydrogen-bonded networks. CrystEngComm, 2004, 6, 429.	2.6	37
60	Materializing rival ground states in the barlowite family of kagome magnets: quantum spin liquid, spin ordered, and valence bond crystal states. Npj Quantum Materials, 2020, 5, .	5.2	37
61	Facile Interchange of 3d and 4f Ions in Singleâ€Molecule Magnets: Stepwise Assembly of [Mn₄], [Mn₃Ln] and [Mn₂Ln₂] Cages within Calix[4]arene Scaffolds. Chemistry - A European Journal, 2015, 21, 11212-11218.	3.3	35
62	Electronic Tuning of Mixed Quinoidalâ€Aromatic Conjugated Polyelectrolytes: Direct Ionic Substitution on Polymer Mainâ€Chains. Angewandte Chemie - International Edition, 2019, 58, 17978-17985.	13.8	32
63	Solution-processable and functionalizable ultra-high molecular weight polymers via topochemical synthesis. Nature Communications, 2021, 12, 6818.	12.8	30
64	Investigating Reaction Conditions To Control the Self-Assembly of Cobalt-Seamed Nanocapsules. Crystal Growth and Design, 2016, 16, 3562-3564.	3.0	29
65	A fluorescence study on the complexation of Sm(<scp>iii</scp>), Eu(<scp>iii</scp>) and Tb(<scp>iii</scp>) with tetraalkyldiglycolamides (TRDGA) in aqueous solution, in solid state, and in solvent extraction. Dalton Transactions, 2016, 45, 18484-18493.	3.3	29
66	Homoleptic versus Heteroleptic Formation of Mononuclear Fe(II) Complexes with Tris-Imine Ligands. Inorganic Chemistry, 2016, 55, 4110-4116.	4.0	28
67	High-pressure polymorphism in l-threonine between ambient pressure and 22 GPa. CrystEngComm, 2019, 21, 4444-4456.	2.6	27
68	A switchable iron-based coordination polymer toward reversible acetonitrile electro-optical readout. Chemical Science, 2019, 10, 6612-6616.	7.4	26
69	Two-Dimensional Copper Iodide-Based Inorganicâ€“Organic Hybrid Semiconductors: Synthesis, Structures, and Optical and Transport Properties. Chemistry of Materials, 2021, 33, 5317-5325.	6.7	26
70	A switchable sensor and scavenger: detection and removal of fluorinated chemical species by a luminescent metalâ€“organic framework. Chemical Science, 2021, 12, 14189-14197.	7.4	26
71	A Magnetoâ€optical Molecular Device: Interplay of Spin Crossover, Luminescence, Photomagnetism, and Photochromism. Angewandte Chemie, 2017, 129, 15828-15833.	2.0	25
72	Eco-friendly, solution-processable and efficient low-energy lighting phosphors: copper halide based hybrid semiconductors Cu₄X₆(L)₂(X = Br, I) composed of covalent, ionic and coordinate bonds. Journal of Materials Chemistry C, 2020, 8, 16790-16797.	5.5	24

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73	Adsorption of Fluorocarbons and Chlorocarbons by Highly Porous and Robust Fluorinated Zirconium Metalâ€“Organic Frameworks. Inorganic Chemistry, 2020, 59, 4167-4171.	4.0	23
74	Molecules Designed to Contain Two Weakly Coupled Spins with a Photoswitchable Spacer. Chemistry - A European Journal, 2017, 23, 13648-13659.	3.3	22
75	Structural properties of ultra-small thorium and uranium dioxide nanoparticles embedded in a covalent organic framework. Chemical Science, 2020, 11, 4648-4668.	7.4	22
76	Flexible Zn-MOF with Rare Underlying scu Topology for Effective Separation of C6 Alkane Isomers. ACS Applied Materials & Interfaces, 2021, 13, 51997-52005.	8.0	22
77	Versatile assembly of p-carboxylatocalix[4]arene-O-alkyl ethers. Dalton Transactions, 2010, 39, 384-387.	3.3	21
78	Selective Lanthanide Distribution within a Comprehensive Series of Heterometallic [LnPr] Complexes. Inorganic Chemistry, 2018, 57, 8429-8439.	4.0	21
79	Exploring short strong hydrogen bonds engineered in organic acid molecular crystals for temperature dependent proton migration behaviour using single crystal synchrotron X-ray diffraction (SCSXRD). CrystEngComm, 2019, 21, 5249-5260.	2.6	21
80	Directed assembly via selectively positioned host functionality. Chemical Communications, 2013, 49, 3203.	4.1	20
81	Unusual Crystal Packing in a Family of [Fe{2,6-bis(pyrazol-3-yl)pyridine}2]2+Compounds and the Effect on the Occurrence of Spin Crossover and Its Cooperative Character. European Journal of Inorganic Chemistry, 2014, 2014, 6013-6021.	2.0	20
82	Linked Supramolecular Building Blocks for Enhanced Cluster Formation. Chemistry - A European Journal, 2015, 21, 2804-2812.	3.3	20
83	New Nanostructured Materials: Synthesis of Dodecanuclear Ni^{II} Complexes and Surface Deposition Studies. Chemistry - A European Journal, 2013, 19, 9064-9071.	3.3	19
84	A facile single crystal to single crystal transition with significant structural contraction on desolvation. Chemical Communications, 2014, 50, 14436-14439.	4.1	19
85	Complexation of Lanthanides with Glutaroimide-dioxime: Binding Strength and Coordination Modes. Inorganic Chemistry, 2016, 55, 1315-1323.	4.0	19
86	Thermodynamic Stability of Heterodimetallic [LnLnâ€²] Complexes: Synthesis and DFT Studies. Chemistry - A European Journal, 2017, 23, 5117-5125.	3.3	19
87	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. Nature Communications, 2018, 9, 2119.	12.8	19
88	A Spin-Crossover Molecular Material Describing Four Distinct Thermal Pathways. Inorganic Chemistry, 2018, 57, 11019-11026.	4.0	19
89	Microwave assisted synthesis of heterometallic 3dâ€“4f M₄Ln complexes. Dalton Transactions, 2019, 48, 12440-12450.	3.3	19
90	Calixarenenanotubes: structural tolerance towards pyridine templates. New Journal of Chemistry, 2011, 35, 28-31.	2.8	18

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91	Guest-tuned spin crossover in flexible supramolecular assemblies templated by a halide (Cl^{â^'}, Br^{â^'} or I^{â^'}). Chemical Communications, 2017, 53, 569-572.	4.1	18
92	Pyridine Directed Assembly of Di-O-Alkyl-tris-p-Carboxylatocalix[4]arenes. Crystal Growth and Design, 2012, 12, 688-697.	3.0	17
93	Microwave assisted synthesis in coordination chemistry. Polyhedron, 2013, 52, 781-787.	2.2	17
94	A New Family of 3dâ€“4f Bisâ€Calix[4]areneâ€Supported Clusters. Chemistry - A European Journal, 2017, 23, 14073-14079.	3.3	17
95	Complexation-assisted reduction: complexes of glutaroimide-dioxime with tetravalent actinides (Np(<scp>iv</scp>) and Th(<scp>iv</scp>)). Dalton Transactions, 2018, 47, 8134-8141.	3.3	17
96	Improving LMOF luminescence quantum yield through guest-mediated rigidification. Journal of Materials Chemistry C, 2019, 7, 14739-14744.	5.5	17
97	Synthesis and properties of a novel linear [Ni4L2(py)6] cluster: Designed ligand-controlled topology of the metals. Comptes Rendus Chimie, 2008, 11, 1117-1120.	0.5	16
98	Pyridine Directed Assembly of Tetra-O-Alkyl p-Carboxylatocalix[4]arenes. Crystal Growth and Design, 2012, 12, 679-687.	3.0	16
99	Enhancing Strategies for the Assembly of Metalâ€“Organic Systems with Inherent Cavity-Containing Calix[4]arenes. Crystal Growth and Design, 2013, 13, 5165-5168.	3.0	16
100	A Threeâ€Dimensional Dynamic Supramolecular â€œSticky Fingersâ€•Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 2310-2315.	13.8	16
101	Structural diversity in Ni^{II} cluster chemistry: Ni₅, Ni₆, and {NiNa₂}_n complexes bearing the Schiff-base ligand N-naphthalidene-2-amino-5-chlorobenzoic acid. Dalton Transactions, 2016, 45, 10256-10270.	3.3	15
102	A mixed lithiumâ€“strontium polynuclear complex formed within the hexa-deprotonated calix[8]arene framework; the synthesis and structure of Li4Sr2(H2L)(O2CC4H9)2(dmfâ€Š)8 [H8Lâ€…=â€…p-Pri- or p-Bui-calix[8]arene]â€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 3535-3536.	1.1	14
103	Positive and negative allosteric effects of thiacalix[4]arene-based receptors having urea andÂcrown-ether moieties. RSC Advances, 2015, 5, 14747-14755.	3.6	13
104	A High Pressure Investigation of the Order-Disorder Phase Transition and Accompanying Spin Crossover in [FeL12](ClO4)2 (L1 = 2,6-bis{3-methylpyrazol-1-yl}-pyrazine). Magnetochemistry, 2016, 2, 9.	2.4	13
105	Core expansion of bis-calix[4]arene-supported clusters. Chemical Communications, 2016, 52, 14246-14249.	4.1	13
106	Blue-Light-Excitable, Quantum Yield Enhanced, Yellow-Emitting, Zirconium-Based Metalâ€“Organic Framework Phosphors Formed by Immobilizing Organic Chromophores. Crystal Growth and Design, 2019, 19, 6850-6854.	3.0	13
107	Rhenium-Imido Corroles. Inorganic Chemistry, 2020, 59, 6382-6389.	4.0	13
108	Tailoring the cavities of hydrogen-bonded amphidynamic crystals using weak contacts: towards faster molecular machines. Chemical Science, 2021, 12, 2181-2188.	7.4	13

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109	Site-specific structure at multiple length scales in kagome quantum spin liquid candidates. Physical Review Materials, 2020, 4, .	2.4	13
110	Gold dipyrrin-bisphenolates: a combined experimental and DFT study of metalâ€“ligand interactions. RSC Advances, 2020, 10, 533-540.	3.6	12
111	Monosulfonated Azo Dyes: A Crystallographic Study of the Molecular Structures of the Free Acid, Anionic and Dianionic Forms. Crystals, 2020, 10, 662.	2.2	12
112	A {Ni₁₂}â€Wheelâ€Based Metalâ€“Organic Framework for Coordinative Binding of Sulphur Dioxide and Nitrogen Dioxide. Angewandte Chemie - International Edition, 2022, 61, e202115585.	13.8	12
113	The remarkable influence of N,O-ligands in the assembly of a bis-calix[4]arene-supported [MnIV2MnIII10MnII8] cluster. Dalton Transactions, 2017, 46, 16807-16811.	3.3	11
114	Postâ€Synthetic Mannich Chemistry on Metalâ€Organic Frameworks: Systemâ€Specific Reactivity and Functionalityâ€Triggered Dissolution. Chemistry - A European Journal, 2018, 24, 11094-11102.	3.3	11
115	The Effect of Pressure on Halogen Bonding in 4-Iodobenzonitrile. Molecules, 2019, 24, 2018.	3.8	11
116	Fluorescent Detection of Carbon Disulfide by a Highly Emissive and Robust Isoreticular Series of Zr-Based Luminescent Metal Organic Frameworks (LMOFs). Chemistry, 2021, 3, 327-337.	2.2	11
117	Purification of Propylene and Ethylene by a Robust Metalâ€“Organic Framework Mediated by Hostâ€“Guest Interactions. Angewandte Chemie, 2021, 133, 15669-15675.	2.0	11
118	Salt formation affects the conformational and assembly properties of p-carboxylatocalix[4]arenes. CrystEngComm, 2014, 16, 3712-3717.	2.6	10
119	A study of anion binding behaviour of 1,3-alternate thiacalix[4]arene-based receptors bearing urea moieties. New Journal of Chemistry, 2016, 40, 9245-9251.	2.8	10
120	Cyanide-bridged coordination polymers constructed from lanthanide ions and octacyanometallate building-blocks. Inorganic Chemistry Frontiers, 2018, 5, 1967-1977.	6.0	10
121	Selective signalling of alcohols by a molecular lattice and mechanism of single-crystal-to-single-crystal transformations. Inorganic Chemistry Frontiers, 2020, 7, 3165-3175.	6.0	10
122	The first study about the relationship between the extractability of thiacalix[4]arene derivatives and the position of the coordination binding sites. Organic and Biomolecular Chemistry, 2015, 13, 3476-3483.	2.8	9
123	Bisâ€Calix[4]arenes: From Ligand Design to the Directed Assembly of a Metalâ€“Organic Trigonal Antiprism. Chemistry - A European Journal, 2016, 22, 8791-8795.	3.3	9
124	Investigations into cluster formation with alkyl-tethered bis-calix[4]arenes. Supramolecular Chemistry, 2016, 28, 557-566.	1.2	9
125	Supramolecular architectures of molecularly thin yet robust free-standing layers. Science Advances, 2019, 5, eaav4489.	10.3	9
126	A highly substituted pyrazinophane generated from a quinoidal system via a cascade reaction. Chemical Communications, 2020, 56, 4472-4475.	4.1	9

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127	Lithium calix[4]arenes: structural studies and use in the ring opening polymerization of cyclic esters. RSC Advances, 2021, 11, 11304-11317.	3.6	9
128	Pyrene-fused hexaarylbenzene luminogens: Synthesis, characterization, and aggregation-induced emission enhancement. Dyes and Pigments, 2021, 192, 109452.	3.7	9
129	Novel Topologies in Vanadium-bis-Î²-Diketone Chemistry: A [V4] and a [V6] Metallacyclophane. Magnetochemistry, 2015, 1, 45-61.	2.4	8
130	Designed asymmetric coordination helicates with bis-Î²-diketonate ligands. Dalton Transactions, 2019, 48, 16844-16847.	3.3	8
131	Accessing Lanthanideâ€toâ€Lanthanide Energy Transfer in a Family of Siteâ€Resolved [Ln III Ln III â€²] Heterodimetallic Complexes. Chemistry - A European Journal, 2021, 27, 7288-7299.	3.3	8
132	Regioselective formylation of rhenium-oxo and gold corroles: substituent effects on optical spectra and redox potentials. RSC Advances, 2021, 11, 34086-34094.	3.6	8
133	Robust dicopper(<scp>i</scp>) Î¼-boryl complexes supported by a dinucleating naphthyridine-based ligand. Chemical Science, 2022, 13, 6619-6625.	7.4	8
134	A Most Unusual Zeolite Templating: Cage to Cage Connection of One Guest Molecule. Journal of Physical Chemistry C, 2010, 114, 8899-8904.	3.1	7
135	Thiacalix[4]arene Derivatives Bearing Imidazole Units: A Ditopic Hard/Soft Receptor for Na⁺ and K⁺/Ag⁺ with an Allosteric Effect and a Reusable Extractant for Dichromate Anions. ChemistrySelect, 2016, 1, 1541-1547.	1.5	7
136	Exploratory studies into 3d/4f cluster formation with fully bridge-substituted calix[4]arenes. Supramolecular Chemistry, 2018, 30, 504-509.	1.2	7
137	Encapsulation of a Cr III Singleâ€Ion Magnet within an Fe II Spinâ€Crossover Supramolecular Host. Angewandte Chemie, 2018, 130, 13697-13701.	2.0	7
138	Magneto-structural studies of an unusual [Mn^{III}Mn^{II}Gd^{III}(OR)₄]^{4â^'} partial cubane from 2,2â€²-bis-p-^tBu-calix[4]arene. Dalton Transactions, 2020, 49, 14790-14797.	3.3	7
139	Simultaneous enhancement of thermally activated delayed fluorescence and photoluminescence quantum yield via homoconjugation. Journal of Materials Chemistry C, 2022, 10, 6306-6313.	5.5	7
140	Chemical Crystallography at the Advanced Light Source. Crystals, 2017, 7, 382.	2.2	6
141	Copper(I) iodide-based organicâ€“inorganic hybrid compounds as phosphor materials. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 759-764.	0.7	6
142	Polynuclear pyridyldioximato-nickel(II) clusters: Synthesis, structure and magnetic study. Polyhedron, 2013, 52, 339-345.	2.2	5
143	Tuning charge-assisted and weak hydrogen bonds in molecular complexes of the proton sponge DMAN by acid co-former substitution. CrystEngComm, 2018, 20, 3074-3083.	2.6	4
144	Click chemistry as a route to the synthesis of structurally new and magnetically interesting coordination clusters: a {NiII8} complex with a trapezoidal prismatic topology. Dalton Transactions, 2019, 48, 11632-11636.	3.3	4

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145	Allosteric binding properties of a 1,3-alternate thiacalix[4]arene-based receptor having phenylthiourea and 2-pyridylmethyl moieties on opposite faces. New Journal of Chemistry, 0, , .	2.8	4
146	Materializing rival ground states in the barlowite family of kagome magnets: quantum spin liquid, spin ordered, and valence bond crystal states. Npj Quantum Materials, 2020, 5, .	5.2	4
147	Comparative Magnetic Studies in the Solid State and Solution of Two Isostructural 1D Coordination Polymers Containing CoII/NiII-Curcuminoid Moieties. Magnetochemistry, 2016, 2, 29.	2.4	3
148	A Hexahomotrioxacalix[3]arene-Based Ditopic Receptor for Alkylammonium Ions Controlled by Ag+ Ions. Molecules, 2018, 23, 467.	3.8	3
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