

Simon J Teat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2162432/publications.pdf>

Version: 2024-02-01

158
papers

7,253
citations

50170

46
h-index

64668

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(Dy^{III}) metallocenium single-molecule magnets. <i>Chemical Science</i> , 2018, 9, 8492-8503.	3.7	405
2	$[\text{Mn}^{\text{III}}_4\text{Ln}^{\text{III}}_4]$ Calix[4]arene Clusters as Enhanced Magnetic Coolers and Molecular Magnets. <i>Journal of the American Chemical Society</i> , 2010, 132, 12983-12990.	6.6	278
3	Solution Processable MOF Yellow Phosphor with Exceptionally High Quantum Efficiency. <i>Journal of the American Chemical Society</i> , 2014, 136, 16724-16727.	6.6	254
4	Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C6 alkane isomers. <i>Nature Communications</i> , 2018, 9, 1745.	5.8	251
5	Phosphonate Ligands Stabilize Mixed-Valent $\{\text{Mn}^{\text{II}}_2\text{O}^{\sim}\text{xMn}^{\text{II}}\}$ Clusters with Large Spin and Coercivity. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5044-5048.	7.2	233
6	A Family of Highly Efficient CuI-Based Lighting Phosphors Prepared by a Systematic, Bottom-up Synthetic Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 9400-9408.	6.6	211
7	Heterodimetallic $[\text{LnLn}^{\text{II}}_2]$ Lanthanide Complexes: Toward a Chemical Design of Two-Qubit Molecular Spin Quantum Gates. <i>Journal of the American Chemical Society</i> , 2014, 136, 14215-14222.	6.6	201
8	Three-Way Crystal-to-Crystal Reversible Transformation and Controlled Spin Switching by a Nonporous Molecular Material. <i>Journal of the American Chemical Society</i> , 2014, 136, 3869-3874.	6.6	176
9	A New High-Flux Chemical and Materials Crystallography Station at the SRS Daresbury. 1. Design, Construction and Test Results. <i>Journal of Synchrotron Radiation</i> , 1997, 4, 279-286.	1.0	171
10	Reversible coordinative binding and separation of sulfur dioxide in a robust metal-organic framework with open copper sites. <i>Nature Materials</i> , 2019, 18, 1358-1365.	13.3	171
11	Sequestering uranium from seawater: binding strength and modes of uranyl complexes with glutarimidedioxime. <i>Dalton Transactions</i> , 2012, 41, 11579.	1.6	156
12	Achieving exceptionally high luminescence quantum efficiency by immobilizing an AIE molecular chromophore into a metal-organic framework. <i>Chemical Communications</i> , 2015, 51, 3045-3048.	2.2	148
13	All-in-One: Achieving Robust, Strongly Luminescent and Highly Dispersible Hybrid Materials by Combining Ionic and Coordinate Bonds in Molecular Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 9281-9290.	6.6	146
14	Hydrolytic stability in hemilabile metal-organic frameworks. <i>Nature Chemistry</i> , 2018, 10, 1096-1102.	6.6	134
15	Chiral transcription in self-assembled tetrahedral Eu_4L_6 chiral cages displaying sizable circularly polarized luminescence. <i>Nature Communications</i> , 2017, 8, 1128.	5.8	128
16	A Systematic Approach to Achieving High Performance Hybrid Lighting Phosphors with Excellent Thermal and Photostability. <i>Advanced Functional Materials</i> , 2017, 27, 1603444.	7.8	125
17	I19, the small-molecule single-crystal diffraction beamline at Diamond Light Source. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 435-441.	1.0	123
18	A Magneto-Optical Molecular Device: Interplay of Spin Crossover, Luminescence, Photomagnetism, and Photochromism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15622-15627.	7.2	117

#	ARTICLE	IF	CITATIONS
19	Capture of nitrogen dioxide and conversion to nitric acid in a porous metal-organic framework. <i>Nature Chemistry</i> , 2019, 11, 1085-1090.	6.6	116
20	Calix[4]arene-Based Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8285-8288.	7.2	109
21	A nature-inspired hydrogen-bonded supramolecular complex for selective copper ion removal from water. <i>Nature Communications</i> , 2020, 11, 3947.	5.8	86
22	Lanthanide Contraction within a Series of Asymmetric Dinuclear [Ln ₂] Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 5881-5891.	1.7	84
23	A rapidly-reversible absorptive and emissive vapochromic Pt(II) pincer-based chemical sensor. <i>Nature Communications</i> , 2017, 8, 1800.	5.8	83
24	Diversity-oriented synthesis of polymer membranes with ion solvation cages. <i>Nature</i> , 2021, 592, 225-231.	13.7	83
25	Single crystals of mechanically entwined helical covalent polymers. <i>Nature Chemistry</i> , 2021, 13, 660-665.	6.6	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. <i>Chemistry - A European Journal</i> , 2004, 10, 4606-4615.	1.7	77
27	Combining Azide, Carboxylate, and 2-Pyridyloximate Ligands in Transition-Metal Chemistry: Ferromagnetic NiII Clusters with a Bowtie Skeleton. <i>Inorganic Chemistry</i> , 2010, 49, 10486-10496.	1.9	76
28	A Family of Calix[4]arene-Supported [Mn ^{III}] ₂ Mn ^{II} Clusters. <i>Chemistry - A European Journal</i> , 2011, 17, 7521-7530.	1.7	74
29	Chromophore-Based Luminescent Metal-Organic Frameworks as Lighting Phosphors. <i>Inorganic Chemistry</i> , 2016, 55, 7250-7256.	1.9	74
30	Blending Ionic and Coordinate Bonds in Hybrid Semiconductor Materials: A General Approach toward Robust and Solution-Processable Covalent/Coordinate Network Structures. <i>Journal of the American Chemical Society</i> , 2020, 142, 4242-4253.	6.6	72
31	Chromophore-immobilized luminescent metal-organic frameworks as potential lighting phosphors and chemical sensors. <i>Chemical Communications</i> , 2016, 52, 10249-10252.	2.2	70
32	Quest for Environmentally Benign Ligands for Actinide Separations: Thermodynamic, Spectroscopic, and Structural Characterization of U ^{VI} Complexes with Oxa-Diamide and Related Ligands. <i>Chemistry - A European Journal</i> , 2009, 15, 4172-4181.	1.7	68
33	Coordination Polymer Chains of Dimeric Pyrogallol[4]arene Capsules. <i>Journal of the American Chemical Society</i> , 2011, 133, 11069-11071.	6.6	67
34	Calix[4]arene-supported rare earth octahedra. <i>Chemical Communications</i> , 2012, 48, 1449-1451.	2.2	65
35	<i>p</i> -Azaquinodimethane: A Compact Quinodimethane Variant as an Ambient Stable Building Block for High-Performance Low Band Gap Polymers. <i>Journal of the American Chemical Society</i> , 2017, 139, 8355-8363.	6.6	65
36	Metal-Organic Calixarene Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4205-4208.	7.2	61

#	ARTICLE	IF	CITATIONS
37	A family of heterometallic wheels containing potentially fourteen hundred siblings. <i>Chemical Communications</i> , 2005, , 1125-1127.	2.2	59
38	Molecules Composed of Two Weakly Magnetically Coupled [MnIII ₄] Clusters. <i>Inorganic Chemistry</i> , 2007, 46, 9045-9047.	1.9	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. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2761-2774.	1.0	54
40	Enhanced control over metal composition in mixed Ga/Zn and Ga/Cu coordinated pyrogallol[4]arene nanocapsules. <i>Chemical Communications</i> , 2009, , 3348.	2.2	53
41	Purification of Propylene and Ethylene by a Robust Metal-Organic Framework Mediated by Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15541-15547.	7.2	51
42	Synthesis and Properties of a Family of Unsymmetric Dinuclear Complexes of Ln ^{III} (Ln = Eu.) <i>Tj ETQq0 0.0 rgBT /Overlock 1</i>	1.9	50
43	High-Performance Blue-Excitable Yellow Phosphor Obtained from an Activated Solvochromic Bismuth-Fluorophore Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2016, 16, 4178-4182.	1.4	50
44	The First Red Azo Lake Pigment whose Structure is Characterized by Single Crystal Diffraction. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 638-640.	7.2	48
45	Encapsulation of a Cr ^{III} Single-Ion Magnet within an Fe ^{II} Spin-Crossover Supramolecular Host. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13509-13513.	7.2	48
46	From 1D Chain to 3D Network: A New Family of Inorganic-Organic Hybrid Semiconductors MO ₃ (L) _x (M = Mo, W; L = Organic Linker) Built on Perovskite-like Structure Modules. <i>Journal of the American Chemical Society</i> , 2013, 135, 17401-17407.	6.6	47
47	Structural and Thermodynamic Study of the Complexes of Nd(III) with <i>N,N,N',N'-Tetramethyl-3-oxa-glutaramide and the Acid Analogues</i> . <i>Inorganic Chemistry</i> , 2014, 53, 9477-9485.	1.9	47
48	Structural and spectroscopic studies of a rare non-oxido V(<i>v</i>) complex crystallized from aqueous solution. <i>Chemical Science</i> , 2016, 7, 2775-2786.	3.7	47
49	Guest-, Light- and Thermally-Modulated Spin Crossover in [Fe ^{II}] ₂ Supramolecular Helicates. <i>Chemistry - A European Journal</i> , 2016, 22, 8635-8645.	1.7	46
50	Rational design of a high-efficiency, multivariate metal-organic framework phosphor for white LED bulbs. <i>Chemical Science</i> , 2020, 11, 1814-1824.	3.7	43
51	A mechanochemical route toward the rational, systematic, and cost-effective green synthesis of strongly luminescent copper iodide based hybrid phosphors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5962-5969.	2.7	42
52	Designed Topology and Site-Selective Metal Composition in Tetranuclear [MM ₂ â€¦â€¦â€¦M ₂ M] Linear Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 11235-11243.	1.7	41
53	Time-resolved luminescence detection of peroxydinitrite using a reactivity-based lanthanide probe. <i>Chemical Science</i> , 2020, 11, 3164-3170.	3.7	41
54	Supramolecular motifs in s-block metal bound sulfonated monoazo dyes. <i>Dalton Transactions RSC</i> , 2001, , 2199-2205.	2.3	40

#	ARTICLE	IF	CITATIONS
55	A rare mixed-valence state manganese(II/IV) tetranuclear cage formed using phenyl 2-pyridyl ketone oxime and azide as ligands. <i>Inorganic Chemistry Communication</i> , 2006, 9, 638-641.	1.8	39
56	Employment of methyl 2-pyridyl ketone oxime in manganese non-carboxylate chemistry: MnII2MnIV and MnII2MnIII6 complexes. <i>Dalton Transactions</i> , 2009, , 1004.	1.6	39
57	A structural and spectrophotometric study on the complexation of Am(^{III}) with TMOGA in comparison with the extracted complex of DMDOOGA. <i>Dalton Transactions</i> , 2015, 44, 18469-18474.	1.6	39
58	Highly efficient and very robust blue-excitable yellow phosphors built on multiple-stranded one-dimensional inorganic-organic hybrid chains. <i>Chemical Science</i> , 2019, 10, 5363-5372.	3.7	38
59	Incorporation of sulfonate dyes into hydrogen-bonded networks. <i>CrystEngComm</i> , 2004, 6, 429.	1.3	37
60	Materializing rival ground states in the barlowite family of kagome magnets: quantum spin liquid, spin ordered, and valence bond crystal states. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	37
61	Facile Interchange of 3d and 4f Ions in Single-Molecule Magnets: Stepwise Assembly of [Mn ₄], [Mn ₃ Ln] and [Mn ₂ Ln ₂] Cages within Calix[4]arene Scaffolds. <i>Chemistry - A European Journal</i> , 2015, 21, 11212-11218.	1.7	35
62	Electronic Tuning of Mixed Quinoidal-Aromatic Conjugated Polyelectrolytes: Direct Ionic Substitution on Polymer Main-Chains. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17978-17985.	7.2	32
63	Solution-processable and functionalizable ultra-high molecular weight polymers via topochemical synthesis. <i>Nature Communications</i> , 2021, 12, 6818.	5.8	30
64	Investigating Reaction Conditions To Control the Self-Assembly of Cobalt-Seamed Nanocapsules. <i>Crystal Growth and Design</i> , 2016, 16, 3562-3564.	1.4	29
65	A fluorescence study on the complexation of Sm(^{III}), Eu(^{III}) and Tb(^{III}) with tetraalkyldiglycolamides (TRDGA) in aqueous solution, in solid state, and in solvent extraction. <i>Dalton Transactions</i> , 2016, 45, 18484-18493.	1.6	29
66	Homoleptic versus Heteroleptic Formation of Mononuclear Fe(II) Complexes with Tris-Imine Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 4110-4116.	1.9	28
67	High-pressure polymorphism in l-threonine between ambient pressure and 22 GPa. <i>CrystEngComm</i> , 2019, 21, 4444-4456.	1.3	27
68	A switchable iron-based coordination polymer toward reversible acetonitrile electro-optical readout. <i>Chemical Science</i> , 2019, 10, 6612-6616.	3.7	26
69	Two-Dimensional Copper Iodide-Based Inorganic-Organic Hybrid Semiconductors: Synthesis, Structures, and Optical and Transport Properties. <i>Chemistry of Materials</i> , 2021, 33, 5317-5325.	3.2	26
70	A switchable sensor and scavenger: detection and removal of fluorinated chemical species by a luminescent metal-organic framework. <i>Chemical Science</i> , 2021, 12, 14189-14197.	3.7	26
71	A Magneto-Optical Molecular Device: Interplay of Spin Crossover, Luminescence, Photomagnetism, and Photochromism. <i>Angewandte Chemie</i> , 2017, 129, 15828-15833.	1.6	25
72	Eco-friendly, solution-processable and efficient low-energy lighting phosphors: copper halide based hybrid semiconductors Cu ₄ X ₆ (L) ₂ (X = Br, I) composed of covalent, ionic and coordinate bonds. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16790-16797.	2.7	24

#	ARTICLE	IF	CITATIONS
73	Adsorption of Fluorocarbons and Chlorocarbons by Highly Porous and Robust Fluorinated Zirconium Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2020, 59, 4167-4171.	1.9	23
74	Molecules Designed to Contain Two Weakly Coupled Spins with a Photoswitchable Spacer. <i>Chemistry - A European Journal</i> , 2017, 23, 13648-13659.	1.7	22
75	Structural properties of ultra-small thorium and uranium dioxide nanoparticles embedded in a covalent organic framework. <i>Chemical Science</i> , 2020, 11, 4648-4668.	3.7	22
76	Flexible Zn-MOF with Rare Underlying tbo Topology for Effective Separation of C6 Alkane Isomers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51997-52005.	4.0	22
77	Versatile assembly of p-carboxylatocalix[4]arene-O-alkyl ethers. <i>Dalton Transactions</i> , 2010, 39, 384-387.	1.6	21
78	Selective Lanthanide Distribution within a Comprehensive Series of Heterometallic [LnPr] Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 8429-8439.	1.9	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 (SCSXR). <i>CrystEngComm</i> , 2019, 21, 5249-5260.	1.3	21
80	Directed assembly via selectively positioned host functionality. <i>Chemical Communications</i> , 2013, 49, 3203.	2.2	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. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 6013-6021.	1.0	20
82	Linked Supramolecular Building Blocks for Enhanced Cluster Formation. <i>Chemistry - A European Journal</i> , 2015, 21, 2804-2812.	1.7	20
83	New Nanostructured Materials: Synthesis of Dodecanuclear Ni ^{II} Complexes and Surface Deposition Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 9064-9071.	1.7	19
84	A facile single crystal to single crystal transition with significant structural contraction on desolvation. <i>Chemical Communications</i> , 2014, 50, 14436-14439.	2.2	19
85	Complexation of Lanthanides with Glutaroimide-dioxime: Binding Strength and Coordination Modes. <i>Inorganic Chemistry</i> , 2016, 55, 1315-1323.	1.9	19
86	Thermodynamic Stability of Heterodimetallic [LnLn ²⁺] Complexes: Synthesis and DFT Studies. <i>Chemistry - A European Journal</i> , 2017, 23, 5117-5125.	1.7	19
87	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. <i>Nature Communications</i> , 2018, 9, 2119.	5.8	19
88	A Spin-Crossover Molecular Material Describing Four Distinct Thermal Pathways. <i>Inorganic Chemistry</i> , 2018, 57, 11019-11026.	1.9	19
89	Microwave assisted synthesis of heterometallic 3d ⁴ f ⁴ M ₄ Ln complexes. <i>Dalton Transactions</i> , 2019, 48, 12440-12450.	1.6	19
90	Calixarene nanotubes: structural tolerance towards pyridine templates. <i>New Journal of Chemistry</i> , 2011, 35, 28-31.	1.4	18

#	ARTICLE	IF	CITATIONS
91	Guest-tuned spin crossover in flexible supramolecular assemblies templated by a halide (Cl ⁺ , Br ⁺ or I ⁺). <i>Chemical Communications</i> , 2017, 53, 569-572.	2.2	18
92	Pyridine Directed Assembly of Di-O-Alkyl-tris-p-Carboxylatocalix[4]arenes. <i>Crystal Growth and Design</i> , 2012, 12, 688-697.	1.4	17
93	Microwave assisted synthesis in coordination chemistry. <i>Polyhedron</i> , 2013, 52, 781-787.	1.0	17
94	A New Family of 3 <i>d</i> -4 <i>f</i> Bis-Calix[4]arene-Supported Clusters. <i>Chemistry - A European Journal</i> , 2017, 23, 14073-14079.	1.7	17
95	Complexation-assisted reduction: complexes of glutarimide-dioxime with tetravalent actinides (Np(^{iv}) and Th(^{iv})). <i>Dalton Transactions</i> , 2018, 47, 8134-8141.	1.6	17
96	Improving LMOF luminescence quantum yield through guest-mediated rigidification. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14739-14744.	2.7	17
97	Synthesis and properties of a novel linear [Ni ₄ L ₂ (py) ₆] cluster: Designed ligand-controlled topology of the metals. <i>Comptes Rendus Chimie</i> , 2008, 11, 1117-1120.	0.2	16
98	Pyridine Directed Assembly of Tetra-O-Alkyl p-Carboxylatocalix[4]arenes. <i>Crystal Growth and Design</i> , 2012, 12, 679-687.	1.4	16
99	Enhancing Strategies for the Assembly of Metal-Organic Systems with Inherent Cavity-Containing Calix[4]arenes. <i>Crystal Growth and Design</i> , 2013, 13, 5165-5168.	1.4	16
100	A Three-Dimensional Dynamic Supramolecular "Sticky Fingers" Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2310-2315.	7.2	16
101	Structural diversity in Ni ^{II} cluster chemistry: Ni ₅ , Ni ₆ , and {NiNa ₂ } _n complexes bearing the Schiff-base ligand N-naphthalidene-2-amino-5-chlorobenzoic acid. <i>Dalton Transactions</i> , 2016, 45, 10256-10270.	1.6	15
102	A mixed lithium-strontium polynuclear complex formed within the hexa-deprotonated calix[8]arene framework; the synthesis and structure of Li ₄ Sr ₂ (H ₂ L)(O ₂ CC ₄ H ₉) ₂ (dmf) ₈ [H ₈ L = p-Pri- or p-Bui-calix[8]arene]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3535-3536.	1.1	14
103	Positive and negative allosteric effects of thiacalix[4]arene-based receptors having urea and Crown-ether moieties. <i>RSC Advances</i> , 2015, 5, 14747-14755.	1.7	13
104	A High Pressure Investigation of the Order-Disorder Phase Transition and Accompanying Spin Crossover in [Fe ₁₂](ClO ₄) ₂ (L ₁ = 2,6-bis{3-methylpyrazol-1-yl}-pyrazine). <i>Magnetochemistry</i> , 2016, 2, 9.	1.0	13
105	Core expansion of bis-calix[4]arene-supported clusters. <i>Chemical Communications</i> , 2016, 52, 14246-14249.	2.2	13
106	Blue-Light-Excitable, Quantum Yield Enhanced, Yellow-Emitting, Zirconium-Based Metal-Organic Framework Phosphors Formed by Immobilizing Organic Chromophores. <i>Crystal Growth and Design</i> , 2019, 19, 6850-6854.	1.4	13
107	Rhenium-Imido Corroles. <i>Inorganic Chemistry</i> , 2020, 59, 6382-6389.	1.9	13
108	Tailoring the cavities of hydrogen-bonded amphidynamic crystals using weak contacts: towards faster molecular machines. <i>Chemical Science</i> , 2021, 12, 2181-2188.	3.7	13

#	ARTICLE	IF	CITATIONS
109	Site-specific structure at multiple length scales in kagome quantum spin liquid candidates. <i>Physical Review Materials</i> , 2020, 4, .	0.9	13
110	Gold dipyrin-bisphenolates: a combined experimental and DFT study of metal–ligand interactions. <i>RSC Advances</i> , 2020, 10, 533-540.	1.7	12
111	Monosulfonated Azo Dyes: A Crystallographic Study of the Molecular Structures of the Free Acid, Anionic and Dianionic Forms. <i>Crystals</i> , 2020, 10, 662.	1.0	12
112	A {Ni ₁₂ }–Wheeler–Based Metal–Organic Framework for Coordinative Binding of Sulphur Dioxide and Nitrogen Dioxide. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115585.	7.2	12
113	The remarkable influence of <i>N</i> -, <i>O</i> -ligands in the assembly of a bis-calix[4]arene-supported [MnIV ₂ MnIII ₁₀ MnII ₈] cluster. <i>Dalton Transactions</i> , 2017, 46, 16807-16811.	1.6	11
114	Post–Synthetic Mannich Chemistry on Metal–Organic Frameworks: System–Specific Reactivity and Functionality–Triggered Dissolution. <i>Chemistry - A European Journal</i> , 2018, 24, 11094-11102.	1.7	11
115	The Effect of Pressure on Halogen Bonding in 4-Iodobenzonitrile. <i>Molecules</i> , 2019, 24, 2018.	1.7	11
116	Fluorescent Detection of Carbon Disulfide by a Highly Emissive and Robust Isoreticular Series of Zr-Based Luminescent Metal Organic Frameworks (LMOFs). <i>Chemistry</i> , 2021, 3, 327-337.	0.9	11
117	Purification of Propylene and Ethylene by a Robust Metal–Organic Framework Mediated by Host–Guest Interactions. <i>Angewandte Chemie</i> , 2021, 133, 15669-15675.	1.6	11
118	Salt formation affects the conformational and assembly properties of p-carboxylatocalix[4]arenes. <i>CrystEngComm</i> , 2014, 16, 3712-3717.	1.3	10
119	A study of anion binding behaviour of 1,3-alternate thiacalix[4]arene-based receptors bearing urea moieties. <i>New Journal of Chemistry</i> , 2016, 40, 9245-9251.	1.4	10
120	Cyanide-bridged coordination polymers constructed from lanthanide ions and octacyanometallate building-blocks. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1967-1977.	3.0	10
121	Selective signalling of alcohols by a molecular lattice and mechanism of single-crystal-to-single-crystal transformations. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3165-3175.	3.0	10
122	The first study about the relationship between the extractability of thiacalix[4]arene derivatives and the position of the coordination binding sites. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3476-3483.	1.5	9
123	Bis–Calix[4]arenes: From Ligand Design to the Directed Assembly of a Metal–Organic Trigonal Antiprism. <i>Chemistry - A European Journal</i> , 2016, 22, 8791-8795.	1.7	9
124	Investigations into cluster formation with alkyl-tethered bis-calix[4]arenes. <i>Supramolecular Chemistry</i> , 2016, 28, 557-566.	1.5	9
125	Supramolecular architectures of molecularly thin yet robust free-standing layers. <i>Science Advances</i> , 2019, 5, eaav4489.	4.7	9
126	A highly substituted pyrazinophane generated from a quinoidal system <i>via</i> a cascade reaction. <i>Chemical Communications</i> , 2020, 56, 4472-4475.	2.2	9

#	ARTICLE	IF	CITATIONS
127	Lithium calix[4]arenes: structural studies and use in the ring opening polymerization of cyclic esters. <i>RSC Advances</i> , 2021, 11, 11304-11317.	1.7	9
128	Pyrene-fused hexaarylbenzene luminogens: Synthesis, characterization, and aggregation-induced emission enhancement. <i>Dyes and Pigments</i> , 2021, 192, 109452.	2.0	9
129	Novel Topologies in Vanadium-bis- β^2 -Diketone Chemistry: A [V4] and a [V6] Metallacyclophane. <i>Magnetochemistry</i> , 2015, 1, 45-61.	1.0	8
130	Designed asymmetric coordination helicates with bis- β^2 -diketonate ligands. <i>Dalton Transactions</i> , 2019, 48, 16844-16847.	1.6	8
131	Accessing Lanthanide- \leftrightarrow -Lanthanide Energy Transfer in a Family of Site-Resolved [Ln III Ln III μ^2] Heterodimetallic Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 7288-7299.	1.7	8
132	Regioselective formylation of rhenium-oxo and gold corroles: substituent effects on optical spectra and redox potentials. <i>RSC Advances</i> , 2021, 11, 34086-34094.	1.7	8
133	Robust dicopper(μ) β^4 -boryl complexes supported by a dinucleating naphthyridine-based ligand. <i>Chemical Science</i> , 2022, 13, 6619-6625.	3.7	8
134	A Most Unusual Zeolite Templating: Cage to Cage Connection of One Guest Molecule. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8899-8904.	1.5	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. <i>ChemistrySelect</i> , 2016, 1, 1541-1547.	0.7	7
136	Exploratory studies into 3d/4f cluster formation with fully bridge-substituted calix[4]arenes. <i>Supramolecular Chemistry</i> , 2018, 30, 504-509.	1.5	7
137	Encapsulation of a Cr III Single-Ion Magnet within an Fe II Spin-Crossover Supramolecular Host. <i>Angewandte Chemie</i> , 2018, 130, 13697-13701.	1.6	7
138	Magneto-structural studies of an unusual [Mn ^{III} Mn ^{II} Gd ^{III} (OR) ₄] ⁴⁺ partial cubane from 2,2-bis(<i>p</i> - <i>t</i> -Bu-calix[4]arene). <i>Dalton Transactions</i> , 2020, 49, 14790-14797.	1.6	7
139	Simultaneous enhancement of thermally activated delayed fluorescence and photoluminescence quantum yield via homoconjugation. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6306-6313.	2.7	7
140	Chemical Crystallography at the Advanced Light Source. <i>Crystals</i> , 2017, 7, 382.	1.0	6
141	Copper(I) iodide-based organic-inorganic hybrid compounds as phosphor materials. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 759-764.	0.3	6
142	Polynuclear pyridyldioximato-nickel(II) clusters: Synthesis, structure and magnetic study. <i>Polyhedron</i> , 2013, 52, 339-345.	1.0	5
143	Tuning charge-assisted and weak hydrogen bonds in molecular complexes of the proton sponge DMAN by acid co-former substitution. <i>CrystEngComm</i> , 2018, 20, 3074-3083.	1.3	4
144	Click chemistry as a route to the synthesis of structurally new and magnetically interesting coordination clusters: a {NiII ₈ } complex with a trapezoidal prismatic topology. <i>Dalton Transactions</i> , 2019, 48, 11632-11636.	1.6	4

#	ARTICLE	IF	CITATIONS
145	Allosteric binding properties of a 1,3-alternate thiacalix[4]arene-based receptor having phenylthiourea and 2-pyridylmethyl moieties on opposite faces. <i>New Journal of Chemistry</i> , 0, , .	1.4	4
146	Materializing rival ground states in the barlowite family of kagome magnets: quantum spin liquid, spin ordered, and valence bond crystal states. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	4
147	Comparative Magnetic Studies in the Solid State and Solution of Two Isostructural 1D Coordination Polymers Containing Coll/Nill-Curcuminoid Moieties. <i>Magnetochemistry</i> , 2016, 2, 29.	1.0	3
148	A Hexahomotrioxacalix[3]arene-Based Ditopic Receptor for Alkylammonium Ions Controlled by Ag ⁺ Ions. <i>Molecules</i> , 2018, 23, 467.	1.7	3
149	Leading Edge Chemical Crystallography Service Provision and Its Impact on Crystallographic Data Science in the Twenty-First Century. <i>Structure and Bonding</i> , 2020, , 69-140.	1.0	3
150	Structures of five salt forms of disulfonated monoazo dyes. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 972-981.	0.2	3
151	Pressure-induced inclusion of neon in the crystal structure of a molecular Cu ₂ (pacman) complex at 4.67 GPa. <i>Chemical Communications</i> , 2020, 56, 3449-3452.	2.2	2
152	Using geometric simulation software <i>â€˜GASPâ€™</i> ™ to model conformational flexibility in a family of zinc metal-organic frameworks. <i>New Journal of Chemistry</i> , 2021, 45, 8728-8737.	1.4	2
153	Achieving a blue-excitable yellow-emitting Ca-LMOF phosphor <i><i>via</i></i> water induced phase transformation. <i>Chemical Science</i> , 2022, 13, 1375-1381.	3.7	2
154	Solvent Dependent Disorder in M ₂ (BzOip) ₂ (H ₂ O)·Solvate (M = Co or Zn). <i>Crystals</i> , 2018, 8, 6.	1.0	1
155	Investigations into the assembly behaviour of a <i>â€˜rigidifiedâ€™</i> ™ p-carboxylatocalix[4]arene. <i>CrystEngComm</i> , 2019, 21, 6659-6665.	1.3	1
156	A {Ni ₁₂ } <i>â€˜Wheelâ€™</i> -Based Metal-Organic Framework for Coordinative Binding of Sulphur Dioxide and Nitrogen Dioxide. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
157	Three Individually Addressable Spin Qubits in a Single Molecule. <i>Chemical Communications</i> , 0, , .	2.2	1
158	Facile Synthetic Routes to Bridge-Functionalised Calix[4]arenes. <i>Chemical Communications</i> , 2022, , .	2.2	0