

Leigh Fon Jones

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	1,2,3-Triazolate-Bridged Tetradecametallic Transition Metal Clusters [M ₁₄ (L) ₆ O ₆ (OMe) ₁₈ X ₆] (M = Fe ^{III} , Tj ETQq1 1 0.784314 rgBT /O) Spin-Enhanced Magnetocaloric Effect. <i>Inorganic Chemistry</i> , 2007, 46, 4968-4978.	4.0	146
2	Attempting to understand (and control) the relationship between structure and magnetism in an extended family of Mn ₆ single-molecule magnets. <i>Dalton Transactions</i> , 2009, , 3403.	3.3	146
3	Solvothermal Synthesis of a Tetradecametallic Fe ^{III} Cluster. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3781-3784.	13.8	127
4	New Routes to Polymetallic Clusters: Fluoride-Based Tri-, Deca-, and Hexacosametallic Mn ^{III} Clusters and their Magnetic Properties. <i>Chemistry - A European Journal</i> , 2004, 10, 5180-5194.	3.3	110
5	Octametallic and Hexadecametallic Ferric Wheels. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4318-4321.	13.8	104
6	Twisted molecular magnets. <i>Chemical Communications</i> , 2012, 48, 181-190.	4.1	102
7	Twisting, bending, stretching: strategies for making ferromagnetic [Mn ^{III}] ₃ triangles. <i>Dalton Transactions</i> , 2009, , 9157.	3.3	90
8	What Controls the Magnetic Interaction in bis(μ ₄ -alkoxo Mn ^{III}) ₂ Dimers? A Combined Experimental and Theoretical Exploration. <i>Chemistry - A European Journal</i> , 2012, 18, 5906-5918.	3.3	81
9	1D chains of Mn ₆ single-molecule magnets. <i>Chemical Communications</i> , 2009, , 2023.	4.1	75
10	Magnetism in metal-organic capsules. <i>Chemical Communications</i> , 2010, 46, 3484.	4.1	73
11	New routes to high nuclearity cages: a fluoride-based hexacosametallic manganese cage. <i>Chemical Communications</i> , 2002, , 2974-2975.	4.1	68
12	A Novel Undecametallic Iron(III) Cluster with an S=11/2 Spin Ground State. <i>Inorganic Chemistry</i> , 2003, 42, 6601-6603.	4.0	65
13	New mixed-valence Mn ^{II} Mn ^{III} clusters exhibiting an unprecedented Mn ^{II} /Mn ^{III} oxidation state distribution in their magnetically coupled cores. <i>Dalton Transactions</i> , 2006, , 1534-1543.	3.3	64
14	Enhancing SMM properties via axial distortion of Mn ^{III} clusters. <i>Chemical Communications</i> , 2008, , 5924.	4.1	64
15	Ground Spin State Changes and 3D Networks of Exchange Coupled [Mn ^{III}] ₃ Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2008, 14, 9117-9121.	3.3	62
16	Heptanuclear iron(III) triethanolamine clusters exhibiting "millennium dome"-like topologies and an octanuclear analogue with ground spin states of S = 5/2 and 0, respectively. <i>Journal of Materials Chemistry</i> , 2006, 16, 2690-2697.	6.7	58
17	Benzotriazole based 1-D, 2-D and 3-D metal dicyanamide and tricyanomethanide coordination networks. <i>Polyhedron</i> , 2006, 25, 360-372.	2.2	54
18	New Routes to High Nuclearity Clusters: Fluoride-Based Octametallic and Tridecametallic Clusters of Manganese. <i>Inorganic Chemistry</i> , 2003, 42, 6971-6973.	4.0	48

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19	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni ₁₂ complex from the use of pyridine-2-amidoxime. Dalton Transactions, 2008, , 3153.	3.3	48
20	Constructing clusters with enhanced magnetic properties by assembling and distorting Mn ₃ building blocks. Dalton Transactions, 2009, , 2812.	3.3	46
21	A Hexacopper Fluoro Metallacrown Cavitand and its Alkali-Metal Complexes. Angewandte Chemie - International Edition, 2007, 46, 4073-4076.	13.8	42
22	Tuning magnetic properties using targeted structural distortion: New additions to a family of Mn ₆ single-molecule magnets. Inorganica Chimica Acta, 2008, 361, 3420-3426.	2.4	40
23	Supramolecular Entanglement from Interlocked Molecular Nanomagnets. Crystal Growth and Design, 2009, 9, 24-27.	3.0	40
24	Two Heptacopper(II) Disk Complexes with a [Cu ₇ (μ_4 -OH) ₄ (μ_4 -OR) ₂] ⁸⁺ Core. Inorganic Chemistry, 2010, 49, 11127-11132.	4.0	40
25	A centred, elongated μ_4 -ferric tetrahedron TM with an S = 15/2 spin ground state. Dalton Transactions, 2004, , 975-976.	3.3	39
26	A Cobalt Metallacrown Anion Host with Guest-Dependent Redox Activity. Chemistry - A European Journal, 2009, 15, 4667-4675.	3.3	39
27	A family of double-bowl pseudo metallocalix[6]arene discs. Dalton Transactions, 2010, 39, 4809.	3.3	38
28	New structural types and different oxidation levels in the family of Mn ₆ -oxime single-molecule magnets. Dalton Transactions, 2008, , 6205.	3.3	36
29	Planar [Ni ₇] discs as double-bowl, pseudometallocalix[6]arenehost cavities. CrystEngComm, 2010, 12, 59-63.	2.6	36
30	Grafting Derivatives of Mn ₆ Single-Molecule Magnets with High Anisotropy Energy Barrier on Au(111) Surface. Journal of Physical Chemistry B, 2008, 112, 9729-9735.	2.6	35
31	Manganese (III) fluoride as a new synthon in Mn cluster chemistry. Polyhedron, 2005, 24, 2443-2449.	2.2	32
32	Fe(III) clusters built with tripodal alcohol ligands. Polyhedron, 2006, 25, 325-333.	2.2	29
33	Ammonium, Alkylammonium, and Amino Acid Complexes of a Hexacopper Fluoro-Metallacrown Cavitand. Chemistry - A European Journal, 2008, 14, 223-233.	3.3	29
34	The role of diisopropanolamine (dipaH ₃) in cluster dimerisation and polymerisation: from spin frustrated S= 5 FeIII ₆ clusters to the novel 1-D covalent polymer of mixed valence [CoII ₃ CoIII] tetramers. Dalton Transactions, 2005, , 3344.	3.3	28
35	Ferromagnetic Ni ^{II} Discs. Chemistry - A European Journal, 2009, 15, 12389-12398.	3.3	28
36	Progressive decoration of pentanuclear Cu(ii) 12-metallacrown-4 nodes towards targeted 1- and 2D extended networks. CrystEngComm, 2013, 15, 6672.	2.6	27

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37	Four copper(ii) pyrazolido complexes derived from reactions of 3{5}-substituted pyrazoles with CuF ₂ or Cu(OH) ₂ . Dalton Transactions, 2007, , 1392.	3.3	26
38	Investigating the solid state hosting abilities of homo- and hetero-valent [Co ₇] metallocalix[6]arenes. Dalton Transactions, 2012, 41, 5610.	3.3	26
39	Theoretical Study of the Magnetic Behavior of [Fe ₈] and [Fe ₁₆] Wheels. Inorganic Chemistry, 2004, 43, 5410-5415.	4.0	22
40	Novel hydrogen bond network topologies in complexes of the ditopic ligand 5-amino-3-(pyrid-2-yl)-1H-pyrazole. CrystEngComm, 2006, 8, 719.	2.6	22
41	Influence of antisymmetric exchange interaction on quantum tunneling of magnetization in a dimeric molecular magnet Mn ₆ . Physical Review B, 2008, 78, .	3.2	21
42	Rare tetranuclear mixed-valent [MnII ₂ MnIV ₂] clusters as building blocks for extended networks. Dalton Transactions, 2008, , 4917.	3.3	20
43	A F-bridged Mn(ii) molecular square. Chemical Communications, 2009, , 7024.	4.1	18
44	Synthesis of Migrastatin Analogues as Inhibitors of Tumour Cell Migration: Exploring Structural Change in and on the Macrocyclic Ring. Chemistry - A European Journal, 2015, 21, 18109-18121.	3.3	17
45	Accidentally on purpose: construction of a ferromagnetic, oxime-based [MnIII ₂] dimer. Dalton Transactions, 2011, 40, 9999.	3.3	16
46	Synthetic, structural, spectroscopic and theoretical study of a Mn(III)-Cu(II) dimer containing a Jahn-Teller compressed Mn ion. Dalton Transactions, 2013, 42, 207-216.	3.3	16
47	Homo- and heterometallic planes, chains and cubanes. Dalton Transactions, 2013, 42, 10315.	3.3	16
48	Elucidating cylindrospermopsin toxicity via synthetic analogues: An in vitro approach. Chemosphere, 2019, 234, 139-147.	8.2	16
49	High nuclearity Ni(II) cages from hydroxamate ligands. RSC Advances, 2014, 4, 38182-38191.	3.6	15
50	A comparison of different methods for fitting susceptibility data of cobalt(ii) coordination polymers in a new cobalt(ii)/sulfate 1-D chain. New Journal of Chemistry, 2007, 31, 1530.	2.8	13
51	Variable temperature structural and magnetic characterisation of the cubane cluster [Cu ₄ (μ ₃ -OH) ₄ (L) ₄][ClO ₄] ₄ (L=5-tert-butyl-3-(pyrid-2-yl)-1H-pyrazole). Polyhedron, 2007, 26, 1977-1983.	2.2	13
52	Quantum tunnelling of magnetization in the single-molecule magnet Mn ₆ . New Journal of Chemistry, 2009, 33, 1231.	2.8	12
53	Ferromagnetic exchange in a twisted, oxime-bridged [MnIII ₂] dimer. Dalton Transactions, 2012, 41, 8340.	3.3	10
54	Old dog, new tricks: 2,2'-biphenol as a bridging and book-end ligand in discrete and extended Co(ii) architectures. CrystEngComm, 2012, 14, 2732.	2.6	8

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55	Crowding out: ligand modifications and their structure directing effects on brucite-like $\{M_x(\frac{1}{4}M_3-OH)_y\}$ ($M = Co, Ni$) core growth within polymetallic cages. Dalton Transactions, 2019, 48, 1477-1488.	3.3	8
56	Mono- and ditopic hydroxamate ligands towards discrete and extended network architectures. Dalton Transactions, 2019, 48, 10180-10190.	3.3	8
57	Switching pairwise exchange interactions to enhance SMM properties. Comptes Rendus Chimie, 2008, 11, 1175-1181.	0.5	7
58	Alternating bimetallic Na/Mn covalent and ionic chains. CrystEngComm, 2010, 12, 3518.	2.6	6
59	Molecular Pac-Man and Tacos: layered Cu(II) cages from ligands with high binding site concentrations. Dalton Transactions, 2015, 44, 13359-13368.	3.3	6
60	A series of alternating Na^+/M^{3+} ($M = Mn, Fe$) covalent and ionic chains. CrystEngComm, 2011, 13, 5510.	2.6	5
61	Bulking up: Hexanuclear oximate Fe(III) complexes surrounded by sterically demanding co-ligands. Inorganica Chimica Acta, 2014, 421, 416-422.	2.4	5
62	A Trinuclear Iron(III) Compound with an Unusual T-Shaped $[Fe_3(\frac{1}{4} 3-O)]^{7+}$ Core. Journal of Cluster Science, 2010, 21, 279-290.	3.3	4
63	A Facile Synthetic Route to a Family of Mn(III) Monomers and Their Structural, Magnetic and Spectroscopic Studies. European Journal of Inorganic Chemistry, 2016, 2016, 5123-5131.	2.0	3
64	Synthesis of an Orthogonally Protected Polyhydroxylated Cyclopentene from Sorbose. Chemistry - an Asian Journal, 2016, 11, 2035-2040.	3.3	2
65	Solvothermal synthesis of discrete cages and extended networks comprising $\{Cr^{(iii)}_3O(O_2CR)_3(oxime)_3\}^{2+}$ ($R = H, CH_3, C(CH_3)_3, C_{14}H_9$) building blocks. RSC Advances, 2016, 6, 73668-73676.	3.6	2
66	Proline derived guanidine catalysts forge extensive H-bonded architectures: a solution and solid state study. RSC Advances, 2020, 10, 22397-22416.	3.6	2
67	Synthesis of Migrastatin Analogues as Inhibitors of Tumour Cell Migration: Exploring Structural Change in and on the Macrocyclic Ring. Chemistry - A European Journal, 2015, 21, 17993-17993.	3.3	1
68	Slight ligand modifications within multitopic linear hydroxamates promotes connectivity differences in Cu(II) 1-D coordination polymers. CrystEngComm, 2021, 23, 5531-5539.	2.6	1
69	N-carbamate protected amino acid derived guanidine organocatalysts. Tetrahedron, 2021, 89, 132093.	1.9	1
70	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED Fe(III) TETRAHEDRON. International Journal of Modern Physics B, 2004, 18, 3853-3856.	2.0	0
71	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED Fe^{III} TETRAHEDRON. , , 2005, , .		0