

Hui-Lien Tsai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-Spin Molecules: Unusual Magnetic Susceptibility Relaxation Effects in $[\text{Mn}_{12}\text{O}_{12}(\text{O}_2\text{CEt})_{16}(\text{H}_2\text{O})_3]$ ($S = 9$) and the One-Electron Reduction Product $(\text{PPh}_4)[\text{Mn}_{12}\text{O}_{12}(\text{O}_2\text{CEt})_{16}(\text{H}_2\text{O})_4]$ ($S = 19/2$). <i>Journal of the American Chemical Society</i> , 1995, 117, 301-317.	13.7	442
2	Distorted MnIVMnIII_3 Cubane Complexes as Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 1996, 118, 7746-7754.	13.7	412
3	Crystal Engineering: Toward Intersecting Channels from a Neutral Network with a bcu-Type Topology. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6063-6067.	13.8	193
4	Manganese carboxylate clusters: from structural aesthetics to single-molecule magnets. <i>Polyhedron</i> , 1998, 17, 3005-3020.	2.2	189
5	A Pentanuclear Manganese Single-Molecule Magnet with a Large Anisotropy. <i>Journal of the American Chemical Society</i> , 2007, 129, 456-457.	13.7	147
6	Tetranuclear and Octanuclear Manganese Carboxylate Clusters: Preparation and Reactivity of $(\text{NBun}_4)[\text{Mn}_4\text{O}_2(\text{O}_2\text{CPh})_9(\text{H}_2\text{O})]$ and Synthesis of $(\text{NBun}_4)_2[\text{Mn}_8\text{O}_4(\text{O}_2\text{CPh})_{12}(\text{Et}_2\text{mal})_2(\text{H}_2\text{O})_2]$ with a Linked-Butterfly Structure. <i>Inorganic Chemistry</i> , 1996, 35, 6437-6449.	4.0	131
7	Modeling the Photosynthetic Water Oxidation Center: Chloride/Bromide Incorporation and Reversible Redox Processes in the Complexes $\text{Mn}_4\text{O}_3\text{X}(\text{OAc})_3(\text{dbm})_3$ ($\text{X} = \text{Cl}, \text{Br}$) and $(\text{pyH})_3[\text{Mn}_4\text{O}_3\text{Cl}_7(\text{OAc})_3]$. <i>Inorganic Chemistry</i> , 1996, 35, 7578-7589.	4.0	88
8	Assembly of a Robust, Thermally Stable Porous Cobalt(II) Nicotinate Framework Based on a Dicobalt Carboxylate Unit. <i>Inorganic Chemistry</i> , 2001, 40, 6426-6431.	4.0	71
9	High-Spin Molecules: $(\text{NBun}_4)[\text{Mn}_8\text{O}_6\text{Cl}_6(\text{O}_2\text{CPh})_7(\text{H}_2\text{O})_2]$ ($S = 11$) and $[\text{Mn}_9\text{Na}_2\text{O}_7(\text{O}_2\text{CPh})_{15}(\text{MeCN})_2]$ ($S = 13$). <i>Inorganic Chemistry</i> , 2001, 40, 7843-7849.	13.7	10784314
10	Efficient and Selective Oxidation of Primary and Secondary Alcohols Using an Iron(III)/Phenanthroline Complex: Structural Studies and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4479-4485.	2.0	62
11	A manganese single-chain magnet exhibits a large magnetic coercivity. <i>Chemical Communications</i> , 2010, 46, 5716.	4.1	55
12	New Structural Type in Manganese Carboxylate Chemistry via Coupled Oxidation/Oxide Incorporation: Potential Insights into Photosynthetic Water Oxidation. <i>Journal of the American Chemical Society</i> , 1994, 116, 8376-8377.	13.7	53
13	A Novel Hybrid Supramolecular Network Assembled from Perfect π -Stacking of an Anionic Inorganic Layer and a Cationic Hydronium-Ion-Mediated Organic Layer. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4253-4258.	2.0	52
14	High-Spin Molecules: Iron(III) Incorporation into $[\text{Mn}_{12}\text{O}_{12}(\text{O}_2\text{CMe})_{16}(\text{H}_2\text{O})_4]$ To Yield $[\text{Mn}_8\text{Fe}_4\text{O}_{12}(\text{O}_2\text{CMe})_{16}(\text{H}_2\text{O})_4]$ and Its Influence on the $S = 10$ Ground State of the Former. <i>Inorganic Chemistry</i> , 1994, 33, 6020-6028.	4.0	49
15	Covalent linkage of $[\text{Mn}_4\text{O}_2(\text{O}_2\text{CPh})_6(\text{dbm})_2]$ into a dimer and a one-dimensional polymer $(\text{dbmH})_n$. <i>Inorganic Chemistry</i> , 2001, 40, 7843-7849.	2.0	10784314
16	A $[\text{MnIII}_3\text{O}]_7$ Single-Molecule Magnet: the Anisotropy Barrier Enhanced by Structural Distortion. <i>Inorganic Chemistry</i> , 2008, 47, 10184-10186.	4.0	46
17	Mn^{4+} Single-Molecule-Magnet-Based Polymers of a One-Dimensional Helical Chain and a Three-Dimensional Network: Syntheses, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 13171-13180.	4.0	41
18	Hydrothermal Synthesis, Crystal Structure, and Magnetic Property of Copper(II) Coordination Networks with Chessboard Tunnels. <i>Journal of Solid State Chemistry</i> , 2001, 158, 315-319.	2.9	39

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19	Mixed-Valence Tetra- and Hexanuclear Manganese Complexes from the Flexibility of Pyridine-Containing β^2 -Diketone Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 1925-1939.	4.0	35
20	Syntheses, structures and single-molecule magnetic behaviors of two dicubane Mn ₄ complexes. <i>Polyhedron</i> , 2005, 24, 2215-2221.	2.2	34
21	High nuclearity molecular species exhibiting spin frustration: fusion of two Mn III 4O ₂ butterfly complexes to yield an intermediate spin ground state Mn III 7O ₄ complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 677.	2.0	33
22	A single-molecular magnet: [Mn ₁₂ O ₁₂ (O ₂ CCH ₂ Br) ₁₆ (H ₂ O) ₄]. <i>Inorganic Chemistry Communication</i> , 2001, 4, 511-514.	3.9	32
23	Syntheses, Structures, and Magnetic Properties of Two 1D, Mixed-Ligand, Metal Coordination Polymers, [M(C ₄ O ₄)(dpa)(OH ₂)] (M = CoII, NiII, and ZnII; dpa = 2,2'-dipyridylamine) and [Cu(C ₄ O ₄)(dpa)(H ₂ O)] ₂ ·(H ₂ O). <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1334-1342.	2.0	32
24	[Mn ₃ O(O ₂ CPh) ₆ (py) ₂] ₂ (4,4'-bpy) and [Mn ₉ O ₇ (O ₂ CC ₆ H ₄ -p-OMe) ₁₃ (4,4'-bpy)] ₂ : new multinuclear manganese complexes. <i>Inorganica Chimica Acta</i> , 1997, 263, 323-340.	2.4	31
25	Hydrothermal Syntheses and Crystal Structures of Ni(II), Co(II), and Cu(II), Bis(trans-4-pyridylacrylate) Interpenetration Networks. <i>Journal of Solid State Chemistry</i> , 2001, 157, 166-172.	2.9	26
26	Slow Magnetic Relaxation in an Octanuclear Manganese Chain. <i>Inorganic Chemistry</i> , 2010, 49, 7617-7619.	4.0	25
27	Synthesis and bio-catalytic activity of isostructural cobalt(III)-phenanthroline complexes. <i>Journal of Chemical Sciences</i> , 2015, 127, 649-661.	1.5	22
28	Bromide incorporation into a high-oxidation-state manganese aggregate, and reversible redox processes for the [Mn ₄ O ₃ X(OAc) ₃ (dbm) ₃](X = Cl, Br) complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1427.	2.0	21
29	Synthesis, structures and magnetic properties of two hexanuclear complexes. <i>Polyhedron</i> , 2009, 28, 1842-1851.	2.2	20
30	Single-molecule magnets: [Mn ₁₂ O ₁₂ (O ₂ CCF ₂ Cl) ₁₆ (H ₂ O) ₄] \cdot 0 \cdot . <i>Polyhedron</i> , 2005, 24, 2205-2214.	2.2	16
31	A New Manganese Coordination Polymer Containing 1,2,4-Benzenetricarboxylic Acid. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3661-3666.	2.0	16
32	High spin molecules: (NBun ₄) ₂ [Mn ₈ O ₄ (O ₂ CPh) ₁₂ (Et ₂ mal) ₂ (H ₂ O) ₂], a mixed-valence manganese(II/III) aggregate with dicarboxylate ligation, an unusual linked-butterfly structure, and an S = 3 ground state. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1031.	2.0	15
33	High Spin Molecules: Unusual Magnetic Susceptibility Relaxation Behavior of a Dodecanuclear Manganese Aggregate in Two Oxidation States. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 274, 167-173.	0.3	15
34	High Spin Molecules: [Mn ₁₂ O ₁₂ (O ₂ CCH ₂ Cl) ₁₆ (H ₂ O) ₄] and the One-electron Reduction Product [PPh ₄][Mn ₁₂ O ₁₂ (O ₂ CCH ₂ Cl) ₁₆ (H ₂ O) ₃]. <i>Chemistry Letters</i> , 2000, 29, 346-347.	1.3	15
35	Crystal Engineering of Three Net-Intersecting Metal-Organic Frameworks from Two Comparable Organic Linking Squares. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3750-3755.	2.0	15
36	Bioinspired Catalytic Conjugate Additions of Thiophenols to β^2 -Enones by a Disubstituted Benzoate-Bridged Nickel Mimic for the Active Site of Urease. <i>Organometallics</i> , 2010, 29, 2874-2881.	2.3	15

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37	High Spin Molecules: A Structural and Magnetic Comparison of High Nuclearity Manganese Carboxylate Aggregates. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 274, 159-166.	0.3	14
38	Molecular architecture based on manganese triangles: Monomer, dimer, and one-dimensional polymer. <i>Polyhedron</i> , 2011, 30, 3265-3271.	2.2	12
39	A Mixed-metal Single-molecule Magnet: $[Mn_8Fe_4O_{12}(O_2CCH_2Cl)_{16}(H_2O)_4]$. <i>Chemistry Letters</i> , 2005, 34, 288-289.	1.3	11
40	Crystal packing effects within $[Mn^{III}O]_7^+$ single-molecule magnets: Controlling intermolecular antiferromagnetic interactions. <i>Polyhedron</i> , 2011, 30, 3272-3278.	2.2	11
41	A new dodecanuclear manganese single-molecule magnet from the arrangement of manganese triangles. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1136-1139.	3.9	9
42	Synthesis, structure, and magnetic properties of a hexanuclear manganese complex. <i>Polyhedron</i> , 2007, 26, 1805-1810.	2.2	6
43	Mixed-metal single-molecule magnets: Syntheses, structure, and magnetic properties of $[Mn_8Fe_4O_{12}(O_2CR)_{16}(H_2O)_4]$ ($R=CH_2Cl, CH_2Br, CHCl_2$). <i>Polyhedron</i> , 2011, 30, 2969-2977.	2.2	6
44	A thiocyanate-based hybrid molecular salt as a new fluorescent chemosensor for fluoride. <i>Journal of Coordination Chemistry</i> , 2012, 65, 2280-2293.	2.2	6
45	Synthesis, structure, and magnetic properties of a tetradecanuclear manganese complex. <i>Polyhedron</i> , 2013, 66, 245-251.	2.2	5
46	A helical salicyladoxime-based manganese triangle chain with single-molecule magnet behavior. <i>Inorganic Chemistry Communication</i> , 2015, 55, 112-115.	3.9	5
47	Mixed Ground-State in the Trinuclear Complex: $[Mn_3O(O_2CCCl_3)_6(H_2O)_3]$. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 1139-1146.	1.4	4
48	A New Hexanuclear Manganese Complex Exhibits Superparamagnetic Behavior. <i>Chemistry Letters</i> , 2006, 35, 724-725.	1.3	3
49	Metamagnetic behavior and moisture-absorption induced reversible network assembly of a cobalt-1,2,4-benzenetricarboxylate supramolecular network. <i>CrystEngComm</i> , 2012, 14, 1317-1323.	2.6	3
50	Temperature dependence of the resonant tunneling fields in high-spin molecules. <i>Journal of Applied Physics</i> , 2004, 95, 6888-6890.	2.5	1
51	Response to the Comment on "Crystallographic Space Group Choice and Its Chemical Consequences: Revised Crystal Structure of $[Fe(phen)_2Cl_2]NO_3$ ". <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2470-2472.	2.0	1