

# Joel S Miller

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Organic and Organometallic Molecular Magnetic Materials—Designer Magnets. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 385-415.	4.4	1,292
2	Ferromagnetic molecular charge-transfer complexes. <i>Chemical Reviews</i> , 1988, 88, 201-220.	47.7	651
3	Ferromagnetic behavior of [Fe(C5Me5)2]+.bul. [TCNE]-.bul.. Structural and magnetic characterization of decamethylferrocenium tetracyanoethenide, [Fe(C5Me5)2]+.bul. [TCNE]-.bul..cntdot.MeCN and decamethylferrocenium pentacyanopropenide, [Fe(C5Me5)2]+.bul. [C3(CN)5]-. <i>Journal of the American Chemical Society</i> , 1987, 109, 769-781.	13.7	592
4	Designer Magnets Containing Cyanides and Nitriles. <i>Accounts of Chemical Research</i> , 2001, 34, 563-570.	15.6	514
5	From Molecules to Materials: Current Trends and Future Directions. <i>Advanced Materials</i> , 1998, 10, 1297-1336.	21.0	429
6	Enhancement of the Magnetic Ordering Temperature and Air Stability of a Mixed Valent Vanadium Hexacyanochromate(III) Magnet to 99 Å°C (372 K). <i>Advanced Materials</i> , 1999, 11, 914-918.	21.0	413
7	Hybrid Organic—Inorganic Perovskites (HOIPs): Opportunities and Challenges. <i>Advanced Materials</i> , 2015, 27, 5102-5112.	21.0	372
8	Magnetically ordered molecule-based materials. <i>Chemical Society Reviews</i> , 2011, 40, 3266.	38.1	360
9	Organometallic- and Organic-Based Magnets: A New Chemistry and New Materials for the New Millennium. <i>Inorganic Chemistry</i> , 2000, 39, 4392-4408.	4.0	333
10	Structure and Magnetic Ordering of MII[N(CN)2]2 (M = Co, Ni). <i>Chemistry of Materials</i> , 1998, 10, 2552-2560.	6.7	299
11	Molecular ferromagnets. <i>Accounts of Chemical Research</i> , 1988, 21, 114-120.	15.6	243
12	Innovation in crystal engineering. <i>CrystEngComm</i> , 2002, 4, 500-509.	2.6	235
13	Organische und metallorganische molekulare magnetische Materialien: Designer—Magnete. <i>Angewandte Chemie</i> , 1994, 106, 399-432.	2.0	229
14	meso-(Tetraphenylporphinato)manganese(III)-tetracyanoethenide, [MnIII(TPP)]•[TCNE]. A New Structure-Type Linear-Chain Magnet with a Tc of 18K. <i>Advanced Materials</i> , 1992, 4, 498-501.	21.0	227
15	Ferromagnetic properties of one-dimensional decamethylferrocenium tetracyanoethylenide (1 : 1): [Fe(1-5-C5Me5)2]E <sup>TM+</sup> [TCNE]E <sup>TM-</sup> . <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1026-1028.	2.0	184
16	Photoinduced Magnetism, Dynamics, and Cluster Glass Behavior of a Molecule-Based Magnet. <i>Physical Review Letters</i> , 2000, 85, 1994-1997.	7.8	183
17	Tetracyanoethylene-based organic magnets. <i>Chemical Communications</i> , 1998, , 1319-1325.	4.1	179
18	Spontaneous Magnetization in the M[N(CN)2]2 (M = Cr, Mn) Weak Ferromagnets. <i>Inorganic Chemistry</i> , 1999, 38, 2552-2553.	4.0	175

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19	Exceptionally Long ( $\approx 2.9 \text{ \AA}$ .) C-C Bonds between [TCNE] <sup>•-</sup> Ions: Two-Electron, Four-Center $\pi^*-\pi^*$ C-C Bonding in $[\text{TCNE}]_2^{2-}$ . <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2540-2545.	13.8	164
20	Four-Center Carbon-Carbon Bonding. <i>Accounts of Chemical Research</i> , 2007, 40, 189-196.	15.6	164
21	DESIGNER MAGNETS. <i>Chemical &amp; Engineering News</i> , 1995, 73, 30-41.	0.1	162
22	Oxidation Leading to Reduction: Redox-Induced Electron Transfer (RIET). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 262-272.	13.8	162
23	Crystal and molecular structure of the charge-transfer salt of decamethylcobaltocene and tetracyanoethylene (2:1): $\{[\text{Co}(\text{C}_5\text{Me}_5)_2]^+\}_2[\text{TCNE}]_2^{2-}$ . The electronic structures and spectra of $[\text{TCNE}]_n$ ( $n = 0, 1, 2$ ). <i>Journal of the American Chemical Society</i> , 1987, 109, 3656-3664.	13.7	159
24	Organic Magnets-A History. <i>Advanced Materials</i> , 2002, 14, 1105.	21.0	153
25	Ferromagnetism in molecular decamethylferrocenium tetracyanoethenide (DMeFc TCNE). <i>Physical Review Letters</i> , 1987, 58, 2695-2698.	7.8	151
26	Tetracyanoethylene (TCNE): The Characteristic Geometries and Vibrational Absorptions of Its Numerous Structures. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2508-2525.	13.8	147
27	Characterization of the charge-transfer reaction between decamethylferrocene and 7,7,8,8-tetracyano-p-quinodimethane (1:1). The iron-57 Moessbauer spectra and structures of the paramagnetic dimeric and the metamagnetic one-dimensional salts and the molecular and electronic structures of $(\text{TCNO})_n$ ( $n = 0, -1, -2$ ). <i>The Journal of Physical Chemistry</i> , 1987, 91, 4344-4360.	2.9	146
28	Diruthenium Tetraacetate Monocation, $[\text{Ru}^{\text{II}}_2(\text{O}_2\text{CMe})_4]^+$ , Building Blocks for 3-D Molecule-Based Magnets. <i>Journal of the American Chemical Society</i> , 2004, 126, 11630-11639.	13.7	146
29	Prescription for stabilization of ferromagnetic exchange in molecular solids via admixing of the ground state with a virtual charge-transfer excited state. <i>Journal of the American Chemical Society</i> , 1987, 109, 3850-3855.	13.7	142
30	Synthesis and Magnetic Properties of 3-D $[\text{Ru}^{\text{II}}_2(\text{O}_2\text{CMe})_4]_3[\text{M}^{\text{III}}(\text{CN})_6]$ ( $\text{M} = \text{Cr}, \text{Fe}, \text{Co}$ ). <i>Journal of the American Chemical Society</i> , 2002, 124, 9336-9337.	13.7	141
31	Synthesis, Structure, and Magnetic Properties of Valence Ambiguous Dinuclear Antiferromagnetically Coupled Cobalt and Ferromagnetically Coupled Iron Complexes Containing the Chloranilate(2 <sup>-</sup> ) and the Significantly Stronger Coupling Chloranilate( $\pi^*3^-$ ) Radical Trianion. <i>Journal of the American Chemical Society</i> , 2007, 129, 2360-2368.	13.7	140
32	Exceptionally Long ( $\approx 2.9 \text{ \AA}$ .) CC Bonding Interactions in $[\text{TCNE}]_2$ Dimers: Two-Electron Four-Center Cation-Mediated CC Bonding Interactions Involving $\pi^*$ Electrons. <i>Chemistry - A European Journal</i> , 2002, 8, 4894-4908.	3.3	134
33	Ferrimagnetic Behavior of Multiple Phases and Solvates of (meso-Tetrakis(4-chlorophenyl)porphinato)manganese(III) Tetracyanoethenide, $[\text{MnTCIPP}]^+[\text{TCNE}]^-$ . Enhancement of Magnetic Coupling by Thermal Annealing. <i>Inorganic Chemistry</i> , 1998, 37, 3376-3384.	4.0	131
34	Metamagnetic properties of one-dimensional decamethylferrocenium 7,7,8,8-tetracyano-p-quinodimethanide (1:1): $[\text{Fe}(\eta^5\text{-C}_5\text{Me}_5)_2]^+ \cdot (\text{TCNQ})^-$ . <i>Journal of the American Chemical Society</i> , 1979, 101, 2755-2756.	13.7	128
35	Organic- and molecule-based magnets. <i>Materials Today</i> , 2014, 17, 224-235.	14.2	123
36	Comparative Analysis of the Multicenter, Long Bond in $[\text{TCNE}]^{\bullet-}$ and Phenalenyl Radical Dimers: A Unified Description of Multicenter, Long Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 7699-7707.	13.7	122

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37	Electron Transfer, Linkage Isomerization, Bulk Magnetic Order, and Spin-Glass Behavior in the Iron Hexacyanomanganate Prussian Blue Analogue. <i>Chemistry - A European Journal</i> , 1999, 5, 3019-3028.	3.3	121
38	Weak Ferromagnetism in a Three-Dimensional Manganese(II) Azido Complex, $[Mn(4,4\text{-bipy})(N_3)_2]_n$ (bipy = 1,1'-bipyridine). <i>Journal of the American Chemical Society</i> , 2000, 122, 1144-1148.	4.0	114
39	Conducting polymers?materials of commerce. <i>Advanced Materials</i> , 1993, 5, 587-589.	21.0	109
40	Building Blocks for 2D Molecule-Based Magnets: The Diruthenium Tetrapivalate Monocation $[Ru^{II}/III_2(O_2CtBu)_4]^+$ . <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2416-2419.	13.8	108
41	$[M^{II}(tcne)_2]_x \cdot x CH_2Cl_2$ (M=Mn, Fe, Co, Ni) Molecule-Based Magnets with $T_c$ Values Above 100 K and Coercive Fields up to 6500 Oe. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 657-660.	13.8	106
42	Observation of Redox-Induced Electron Transfer and Spin Crossover for Dinuclear Cobalt and Iron Complexes with the 2,5-Di- <i>tert</i> -butyl-3,6-dihydroxy-1,4-benzoquinonate Bridging Ligand. <i>Journal of the American Chemical Society</i> , 2009, 131, 6229-6236.	13.7	106
43	Sources of Naked Divalent First-Row Metal Ions: Synthesis and Characterization of $[M^{II}(NCMe)_6]^{2+}$ (M=V, Cr, Mn, Fe, Co, Ni) Salts of Tetrakis[3,5-bis(trifluoromethyl)phenyl]borate. <i>Chemistry - A European Journal</i> , 1998, 4, 1731-1737.	3.3	104
44	Noncollinear antiferromagnetic structure of the molecule-based magnet $Mn[N(CN)_2]_2$ . <i>Physical Review B</i> , 2000, 62, 5576-5588.	3.2	103
45	Magnetically ordered molecule-based assemblies. <i>Dalton Transactions</i> , 2006, , 2742.	3.3	102
46	Spin Frustration in $M^{II}[C(CN)_3]_2$ (M = V, Cr). A Magnetism and Neutron Diffraction Study. <i>Inorganic Chemistry</i> , 2000, 39, 1135-1141.	4.0	99
47	Ferromagnetically coupled linear electron-transfer complexes. Structural and magnetic characterization of $[Cr(\eta^6-C_6Me_6-x)_2][TCNE]$ (x = 0,3,6) and $S = 0 [TCNE]_2^{2-}$ . <i>Journal of the American Chemical Society</i> , 1989, 111, 7853-7860.	13.7	88
48	$M[TCNQ]_y$ -Based Magnets (M = Mn, Fe, Co, Ni; TCNQ = 7,7,8,8-tetracyano-p-quinodimethane). <i>Chemistry of Materials</i> , 2005, 17, 1667-1672.	6.7	87
49	Anomalous Non-Prussian Blue Structures and Magnetic Ordering of $K_2Mn^{II}[Mn^{II}(CN)_6]$ and $Rb_2Mn^{II}[Mn^{II}(CN)_6]$ . <i>Inorganic Chemistry</i> , 2010, 49, 1524-1534.	4.0	86
50	Non-Prussian Blue Structures and Magnetic Ordering of $Na_2Mn^{II}[Mn^{II}(CN)_6]$ and $Na_2Mn^{II}[Mn^{II}(CN)_6] \cdot 2H_2O$ . <i>Journal of the American Chemical Society</i> , 2012, 134, 2246-2254.	13.7	84
51	Ferromagnetic behavior of linear chain electron-transfer complexes. Decamethylferrocene electron-transfer salts of 2,5-disubstituted-7,7,8,8-tetracyano-p-quinodimethanes. Magnetic characterization of $[Fe(C_5Me_5)_2] \cdot [TCNQI_2]$ and structures of $[TCNQI_2]_n$ (n = 0, 1, 2). <i>Journal of the American Chemical Society</i> , 1990, 112, 5496-5506.	13.7	79
52	Vanadium 7,7,8,8-Tetracyano-p-quinodimethane ( $V[TCNQ]_2$ )-Based Magnets. <i>Inorganic Chemistry</i> , 2004, 43, 6414-6420.	4.0	79
53	Experimental Determination of the Spin Density in the Tetracyanoethylene Free Radical, $[TCNE] \cdot$ , by Single-Crystal Polarized Neutron Diffraction. A View of a $\pi^*$ Orbital. <i>Journal of the American Chemical Society</i> , 1994, 116, 7243-7249.	13.7	74
54	Local structural order in the disordered vanadium tetracyanoethylene room-temperature molecule-based magnet. <i>Physical Review B</i> , 2004, 70, .	3.2	74

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55	Extended Network Thiocyanate- and Tetracyanoethanide-Based First-Row Transition Metal Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 9655-9665.	4.0	72
56	Interpenetrating three-dimensional rutile-like frameworks. Crystal structure and magnetic properties of $MnIII[C(CN)_3]_2$ . <i>Chemical Communications</i> , 1998, , 251-252.	4.1	71
57	Iron Pentacarbonyl as a Precursor for Molecule-Based Magnets: Formation of $Fe[TCNE]_2$ ( $T_c = 100$ K) and $Fe[TCNQ]_2$ ( $T_c = 35$ K) Magnets. <i>Inorganic Chemistry</i> , 2002, 41, 1996-1997.	4.0	68
58	Bistable Electrical, Optical, and Magnetic Behavior in Molecule-Based Material. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 27-29.	13.8	68
59	Magnetic field induced reversed (Negative) magnetization for electrochemically deposited $T_c = 260$ K Oxidized Films of Chromium Cyanide Magnets. <i>Advanced Materials</i> , 1997, 9, 645-647.	21.0	67
60	Magnetic Ordering ( $T_c = 90$ K) Observed for Layered $[FeII(TCNE)(NCMe)_2]+[FeIIICl_4]-(TCNE)$	13.7	67
61	Weak Effect on $T_c$ with Increased Interchain Distances. Structure and Magnetic Properties of (meso-Tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl)porphinato)manganese(III) Tetracyanoethanide, $[MnIIITP]+[TCNE]$ . <i>Inorganic Chemistry</i> , 1996, 35, 3083-3088.	4.0	66
62	Organic-based magnon spintronics. <i>Nature Materials</i> , 2018, 17, 308-312.	27.5	65
63	Effect of solvent on the magnetic properties of the high-temperature $V[TCNE]_x$ molecule-based magnet. <i>Physical Review B</i> , 2001, 63, .	3.2	61
64	Characterization of the Chloranilate Radical as a Strong Spin-Coupling Bridging Ligand. <i>Inorganic Chemistry</i> , 2006, 45, 6135-6137.	4.0	59
65	Crystal and molecular structure of the paramagnetic 1:1 decamethylferrocenium 7,7,8,8-tetracyano-p-quinodimethanide dimer salt: $\{[Fe(C_5Me_5)_2]^+ \cdot [TCNQ]_2\}$ . <i>Journal of the American Chemical Society</i> , 1979, 101, 2756-2758.	13.7	57
66	Oliver Kahn Lecture: Composition and structure of the $V[TCNE]_x$ ( $TCNE = \text{tetracyanoethylene}$ ) room-temperature, organic-based magnet – A personal perspective. <i>Polyhedron</i> , 2009, 28, 1596-1605.	2.2	55
67	Theoretical Study of the Electronic Structure of [Tetrathiafulvalene] $_2^{2+}$ Dimers and Their Long, Intradimer Multicenter Bonding in Solution and the Solid State. <i>Journal of Physical Chemistry A</i> , 2009, 113, 484-492.	2.5	55
68	Synthesis and characterization of the metamagnetic 1:1 1-D phase of the decamethylferrocenium 7,7,8,8-tetracyano-p-quinodimethanide: $Fe[C_5(CH_3)_5]_2^+ \cdot [TCNQ]^-$ . <i>Journal of the American Chemical Society</i> , 1979, 101, 7111-7113.	13.7	54
69	Molecular/organic magnets-potential applications. <i>Advanced Materials</i> , 1994, 6, 322-324.	21.0	54
70	Reversed (Negative) Magnetization for Electrochemically Deposited High- $T_c$ Thin Films of Chromium Hexacyanide Magnets. <i>Chemistry of Materials</i> , 1998, 10, 1386-1395.	6.7	54
71	Synthesis, Structure, and Magnetic Ordering of Layered (2-D) V-Based Tris(oxalato)metalates. <i>Inorganic Chemistry</i> , 2005, 44, 8433-8441.	4.0	54
72	The quest for magnetic polymers - caveat emptor. <i>Advanced Materials</i> , 1992, 4, 298-300.	21.0	53

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73	Orbital Overlap and Antiferromagnetic Coupling in Substituted Tetraphenylporphinatomanganese(III) Tetracyanoethenide Based Magnets. The Importance of $d_{z^2}$ $p_z$ Overlap. Journal of the American Chemical Society, 1998, 120, 1822-1826.	13.7	53
74	Room-Temperature Spin Crossover Observed for $[(TPyA)Fe(II)(DBQ_2)Fe(II)(TPyA)]^{2+}$ [TPyA = Tris(2-pyridylmethyl)amine; DBQ <sub>2</sub> = 2,5-Di-tert-butyl-3,6-dihydroxy-1,4-benzoquinonate]. Inorganic Chemistry, 2007, 46, 1048-1050.	4.0	53
75	Identification of $[M(II)(Arene)_2]^{2+}$ (M = V, Cr) as the Key Intermediate in the Formation of $V[TCNE]_x \cdot y$ Solvent Magnets and $Cr[TCNE]_x \cdot y$ Solvent. Journal of the American Chemical Society, 2000, 122, 290-299.	13.7	52
76	Solvent Dependence of the Structure and Magnetic Ordering of Ferrimagnetic Manganese(III) meso-Tetraphenylporphyrin Tetracyanoethenide, $[MnTPP]^{+}[TCNE]_x \cdot y$ (solvent). Evidence for Orientationally Disordered $[TCNE]_x \cdot y$ . Inorganic Chemistry, 2001, 40, 1915-1925.	4.0	52
77	Interpenetrating-Lattice-Structured Magnets Exhibiting Anomalous Magnetic Properties. Advanced Materials, 2005, 17, 2251-2254.	21.0	52
78	Cross-Linked Layered Structure of Magnetically Ordered $[Fe(TCNE)_2]_x \cdot y \cdot z \cdot w$ $CH_2Cl_2$ Determined by Rietveld Refinement of Synchrotron Powder Diffraction Data. Angewandte Chemie - International Edition, 2007, 46, 1521-1524.	13.8	52
79	Molecular Materials I. Molecular materials mimic inorganic network solids. Advanced Materials, 1990, 2, 98-99.	21.0	51
80	Magnetic behaviour of octaethylporphyrinatomanganese(III) tetracyanoethenide, $[MnOEP][TCNE]$ , and hexacyanobutadienide, $[MnOEP][C_4(CN)_6]$ : the importance of a uniform chain for stabilizing strong effective ferromagnetic coupling. Journal of Materials Chemistry, 1995, 5, 707.	6.7	51
81	Magnetic Ordering in the Rare Earth Molecule-Based Magnets, $Ln(TCNE)_3$ (Ln = Gd, Dy; TCNE =) $T_j$ $ETQq_1$ 1 0.784314 $rgBT$ / $Overlock$ 4.0 50	4.0	50
82	Structure and Magnetic Properties of (meso-Tetraphenylporphinato)manganese(III) Bis(dithiolato)nickelates. Inorganic Chemistry, 2005, 44, 7530-7539.	4.0	50
83	Ferromagnetic behavior of linear chain charge transfer complexes. Structural and magnetic characterization of decamethylferrocenium hexacyanobutadienide (1:1): $[Fe(C_5Me_5)_2] \cdot [C_4(CN)_6]$ . Journal of the American Chemical Society, 1987, 109, 4584-4592.	13.7	49
84	Valence Tautomerism in Dioxolene Complexes of Cobalt. , 0, , 281-306.		49
85	Magnetic properties and critical behavior of $Fe(tetracyanoethylene)_2 \cdot x(CH_2Cl_2)$ : A high- $T_c$ molecule-based magnet. Physical Review B, 2000, 61, 492-500.	3.2	48
86	Linear Chain Ferromagnetic Compounds – Recent Progress. Molecular Crystals and Liquid Crystals, 1985, 120, 27-34.	0.8	47
87	Magnetization and static scaling of the high- $T_c$ disordered molecular-based magnet $V(tetracyanoethylene)_x \cdot y(CH_3CN)$ with $x \sim 1.5$ and $y \sim 1/2$ . Physical Review B, 1993, 48, 1325-1328.	3.2	47
88	Chemical Reduction of 2,4,6-Tricyano-1,3,5-triazine and 1,3,5-Tricyanobenzene. Formation of Novel 4,4,6,6-Tetracyano-2,2-bis-triazine and Its Radical Anion. Journal of Organic Chemistry, 2003, 68, 3367-3379.	3.2	46
89	Magnetically Ordered ( $T_c = 200$ K) Bis(tetracyanopyrazine)vanadium, $V[TCNP]_2 \cdot yCH_2Cl_2$ . Journal of the American Chemical Society, 2004, 126, 3716-3717.	13.7	46
90	Observation of the Pressure Dependent Reversible Enhancement of $\langle i \rangle T \langle i \rangle$ and Loss of the Anomalous Constricted Hysteresis for $[Ru_{2 \times 2} (O_{2 \times 2} CMe)_{4 \times 4}]_3 [Cr(CN)_6]$ . Advanced Materials, 2007, 19, 2910-2913.	21.0	46

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91	Mn <sup>II</sup> (TCNE) <sub>3/2</sub> (I <sub>3</sub> ) <sub>1/2</sub> "A 3D Network-Structured Organic-Based Magnet and Comparison to a 2D Analog. <i>Advanced Materials</i> , 2010, 22, 2514-2519.	21.0	46
92	Reentrance in the Mn(tetracyanoethylene) <sub>x</sub> (CH <sub>2</sub> Cl <sub>2</sub> ) <sub>y</sub> high-Tc molecule-based ferrimagnet. <i>Physical Review B</i> , 1998, 58, 8508-8514.	3.2	45
93	Manganese(II) octabutoxynaphthalocyanine and its ferrimagnetic electron-transfer salt with TCNE. <i>Journal of Materials Chemistry</i> , 2000, 10, 241-244.	6.7	45
94	Spin frustration and metamagnetic behavior in a molecular-based quasi-1D ferrimagnetic chain: (MnTPP)(TCNE). <i>Journal of Applied Physics</i> , 1993, 73, 6569-6571.	2.5	44
95	Ferromagnetic behavior of linear-chain electron-transfer complexes. Synthesis and characterization of decaethylferrocene, Fe(C <sub>5</sub> Et <sub>5</sub> ) <sub>2</sub> , and its electron-transfer salts: structure and magnetic properties of [Fe(C <sub>5</sub> Et <sub>5</sub> ) <sub>2</sub> ].bul.+[A].bul.- [A = TCNE and TCNQ]. <i>Organometallics</i> , 1991, 10, 688-693.	2.3	43
96	The quest for magnetic polymers "caveat emptor. <i>Advanced Materials</i> , 1992, 4, 435-438.	21.0	43
97	Molecular magnets V(tetracyanoethylene) <sub>x</sub> (solvent): Applications to magnetic shielding. <i>Journal of Applied Physics</i> , 1994, 75, 5782-5784.	2.5	43
98	Improved Synthesis of the V(tetracyanoethylene) <sub>x</sub> (solvent) Room-Temperature Magnet: Doubling of the Magnetization at Room Temperature. <i>ACS Symposium Series</i> , 1996, , 311-318.	0.5	43
99	Anomalous magnetoresistance in high-temperature organic-based magnetic semiconducting V(TCNE) <sub>x</sub> films. <i>Journal of Applied Physics</i> , 2003, 93, 6799-6801.	2.5	42
100	Tris(chloranilate)ferrate(III) Anionic Building Block Containing the (Dihydroxo)oxodiiron(III) Dimer Cation: Synthesis and Characterization of [(TPA)(OH)Fe <sup>III</sup> OFe <sup>III</sup> (OH)(TPA)][Fe(CA) <sub>3</sub> ] <sub>0.5</sub> (BF <sub>4</sub> ) <sub>0.5</sub> ·1.5MeOH·H <sub>2</sub> O [TPA = tris(2-pyridylmethyl)amine; CA = chloranilate]. <i>Journal of the American Chemical Society</i> , 2006, 128, 40-41.	13.7	42
101	Multiple Photonic Responses in Films of Organic-Based Magnetic Semiconductor V(TCNE) <sub>x</sub> . <i>Physical Review Letters</i> , 2006, 97, 247205.	7.8	42
102	A dinuclear iron(II) complex, [(TPyA)Fe <sup>II</sup> (THBQ) <sub>2</sub> Fe <sup>II</sup> (TPyA)](BF <sub>4</sub> ) <sub>2</sub> [TPyA = tris(2-pyridylmethyl)amine; THBQ = 2,3,5,6-tetrahydroxy-1,4-benzoquinone] exhibiting both spin crossover with hysteresis and ferromagnetic exchange. <i>Chemical Communications</i> , 2008, , 317-319.	4.1	42
103	Molecular materials IV. Buckminsterfullerene? a molecular material for the future?. <i>Advanced Materials</i> , 1991, 3, 262-265.	21.0	41
104	MnII[MnII(CN) <sub>4</sub> ] "A Magnetic Interpenetrating Three-Dimensional Diamondlike Solid. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 783-784.	13.8	41
105	Observation of Magnetic Ordering as High as 28 K formeso-Tetrakis(4-halophenyl)porphinomanganese(III) Tetracyanoethenide, [MnTXPP][TCNE] (X = F, Tj ETQq1 4.0784314rgBT /Ov		
106	Room-Temperature Organic-Based Magnet (Tc ~ 50 °C) Containing Tetracyanobenzene and Hexacarbonylvanadate(V). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5326-5331.	13.8	41
107	The Tetracyanopyrazinide Dimer Dianion, [TCNP] <sub>2</sub> <sup>2-</sup> . 2-Electron 8-Center Bonding. <i>Journal of the American Chemical Society</i> , 2009, 131, 9070-9075.	13.7	41
108	Structure and Properties of Tetracyanomanganate(II), [MnII(CN) <sub>4</sub> ] <sup>2-</sup> , The First Paramagnetic Tetrahedral Cyanometalate Complex. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 781-783.	13.8	40

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109	On the existence of long C-C bonds between pairs of anions which repel: when and why? A test case on the [TCNE] <sub>2</sub> dimers found in ionic crystals. CrystEngComm, 2002, 4, 373-377.	2.6	39
110	Structure and Stability of the [TCNE] <sub>2</sub> Dimers in Dichloromethane Solution: A Computational Study. Journal of Physical Chemistry A, 2007, 111, 8020-8027.	2.5	39
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