Mark W Meisel

List of Publications by Year in Descending Order

101 papers	2,496 citations	28 h-index	46 g-index
106 ext. papers	2,690 ext. citations	6 avg, IF	4.67 L-index

#	Paper	IF	Citations
101	Stimulus induced strain in spin transition heterostructures. *Journal of Applied Physics*, **2021**, 129, 160903	2.5	2
100	Crafting Spin-State Switchable Strain Profiles within RbxCo[Fe(CN)6]y@KjNi[Cr(CN)6]k Heterostructures. *Chemistry of Materials*, **2021**, 33, 246-255	9.6	7
99	Interplay between core and shell in a RbCoFe@RbNiCo Prussian blue analogue spin transition heterostructure. *Journal of Materials Chemistry C*, **2021**, 9, 10830-10840	7.1	2
98	Asymmetric Design of Spin-Crossover Complexes to Increase the Volatility for Surface Deposition. *Journal of the American Chemical Society*, **2021**, 143, 14563-14572	16.4	3
97	Inelastic neutron scattering study of the anisotropic S=1 spin chain [Ni(HF2)(3□lpyridine)4]BF4. *Physical Review B*, **2020**, 101,	3.3	3
96	Structure-property studies of a new one-dimensional Fe(III)/Mn(II) chain. *Polyhedron*, **2020**, 179, 114376	2.7	2
95	Light-Switchable Exchange-Coupled Magnet. *ACS Applied Electronic Materials*, **2019**, 1, 2471-2475	4	2
94	Control of the Speed of a Light-Induced Spin Transition through Mesoscale Core-Shell Architecture. *Journal of the American Chemical Society*, **2018**, 140, 5814-5824	16.4	38
93	Tuning of magnetism in DyMn1□FexO3 (x. *Physica B: Condensed Matter*, **2018**, 536, 102-106	2.8	1
92	Unusual Magnetic Response of anS= 1 Antiferromagetic Linear-Chain Material. *Journal of Physics: Conference Series*, **2018**, 969, 012121	0.3	2
91	Light-induced magnetization changes in aggregated and isolated cobalt ferrite nanoparticles. *Journal of Applied Physics*, **2018**, 124, 103904	2.5	5
90	Pressure-tuning of the photomagnetic response of heterostructured CoFe@CrCr-PBA core@shell nanoparticles. *Polyhedron*, **2017**, 123, 323-327	2.7	7
89	Correlating Bridging Ligand with Properties of Ligand-Templated [MnX] Clusters (X = Br, Cl, H, MeO). *Inorganic Chemistry*, **2017**, 56, 12012-12022	5.1	8
88	Magnetic structure of the mixed antiferromagnet NdMn0.8Fe0.2O3. *Physical Review B*, **2017**, 96,	3.3	7
87	Antiferromagnetic order in single crystals of the S=2 quasi-one-dimensional chain MnCl3(bpy). *Physical Review B*, **2016**, 93,	3.3	11
86	Introducing Dimensionality to the Archetypical Mn12 Single-Molecule Magnet: a Family of [Mn12]n Chains. *Inorganic Chemistry*, **2016**, 55, 1367-9	5.1	15
85	Evidence for Interface-Induced Strain and Its Influence on Photomagnetism in Prussian Blue Analogue Core□Shell Heterostructures, RbaCob[Fe(CN)6]c□mH2O@KjNik[Cr(CN)6]l□nH2O. *Journal of Physical Chemistry C*, **2016**, 120, 5420-5429	3.8	39

84	Antiferromagnetic ordering in MnF(salen). *Journal of Physics Condensed Matter*, **2016**, 28, 236003	1.8	3
83	Long-range magnetic order and interchain interactions in the S=2 chain system MnCl3(bpy). *Physical Review B*, **2016**, 94,	3.3	6
82	Synergistic photomagnetic effects in coordination polymer heterostructure particles of Hofmann-like Fe(4-phenylpyridine)[Ni(CN)]0.5HO and KNi[Cr(CN)]nHO. *Dalton Transactions*, **2016**, 45, 16624-16634	4.3	9
81	A family of tri- and dimetallic pyridine dicarboxamide cryptates: unusual O,N,O-coordination and facile access to secondary coordination sphere hydrogen bonding interactions. *Inorganic Chemistry*, **2015**, 54, 2691-704	5.1	16
80	Light Switchable Magnetism in a Coordination Polymer Heterostructure Combining the Magnetic Potassium Chromiumhexacyanochromate with the Light-Responsive Rubidium Cobalthexacyanoferrate. *Chemistry of Materials*, **2015**, 27, 6185-6188	9.6	22
79	Complex Magnetic Phases in Nanosized Prussian Blue Analogue Cubes: Rb0.48Co[Fe(CN)6]0.75[(H2O)6]0.250.34H20.36Ni[Cr(CN)6]0.74[(H2O)6]0.260.11H2O. *Journal of Physical Chemistry C*, **2015**, 119, 29138-29147	4.8	8
78	Magnetic Properties of Single-Crystals of the S=2 Quasi-1D Heisenberg Antiferromagnet MnCl3(bpy). *Physics Procedia*, **2015**, 75, 106-113		2
77	Electrospinning of superconducting YBCO nanowires. *Superconductor Science and Technology*, **2015**, 28, 015006	3.1	23
76	Stepwise Reduction of Electrochemically Lithiated Core–Shell Heterostructures Based on the Prussian Blue Analogue Coordination Polymers K0.1Cu[Fe(CN)6]0.73.5H2O and K0.1Ni[Fe(CN)6]0.74.4H2O. *Chemistry of Materials*, **2015**, 27, 1524-1530	9.6	26
75	Light-induced changes in magnetism in a coordination polymer heterostructure, Rb0.24Co[Fe(CN)6]0.74@K0.10Co[Cr(CN)6]0.70nH2O and the role of the shell thickness on the properties of both core and shell. *Journal of the American Chemical Society*, **2014**, 136, 15660-9	16.4	75
74	Light-induced magnetization changes in a coordination polymer heterostructure of a Prussian blue analogue and a Hofmann-like Fe(II) spin crossover compound. *Journal of the American Chemical Society*, **2014**, 136, 9846-9	16.4	54
73	Absolute magnetic susceptibility of rat brain tissue. *Magnetic Resonance in Medicine*, **2014**, 72, 876-9	4.4	5
72	Structural and magnetic properties of CoO-Pt core-shell nanoparticles. *Physical Review B*, **2014**, 89,	3.3	17
71	Synthesis, characterization, and reactivity of iron(III) complexes supported by a trianionic ONO(3-) pincer ligand. *Inorganic Chemistry*, **2014**, 53, 13078-88	5.1	8
70	Structural and magnetic properties of four layered dicyanamide-based coordination polymers: M{N(CN)2}2(DMSO)2, [M = Mn, Fe, Co, Ni]. *Polyhedron*, **2013**, 66, 142-146	2.7	13
69	Electrospinning synthesis of superconducting BSCCO nanowires. *Physica C: Superconductivity and Its Applications*, **2013**, 495, 109-113	1.3	31
68	Influence of particle size on the phase behavior associated with the thermal spin transition of the Prussian blue analogue K0.4Co1.3[Fe(CN)6]4.4H2O. *Polyhedron*, **2013**, 64, 289-293	2.7	8
67	Photoinduced perturbations of the magnetic superexchange in core@shell Prussian blue analogues. *Polyhedron*, **2013**, 66, 153-156	2.7	11

66	MR measurement of alloy magnetic susceptibility: towards developing tissue-susceptibility matched metals. *Journal of Magnetic Resonance*, **2013**, 233, 49-55	3	9
65	Effect of pressure on the magnetic properties of LiCuFe and LiCuFe@LiNiCr Prussian blue analogues. *Polyhedron*, **2013**, 66, 264-267	2.7	7
64	RbjMk[Fe(CN)6]l (M = Co, Ni) Prussian Blue Analogue Hollow Nanocubes: a New Example of a Multilevel Pore System. *Chemistry of Materials*, **2013**, 25, 42-47	9.6	65
63	Synthesis and size control of iron(II) hexacyanochromate(III) nanoparticles and the effect of particle size on linkage isomerism. *Inorganic Chemistry*, **2013**, 52, 4494-501	5.1	21
62	Preorganized assembly of three iron(II) or manganese(II) diketiminate complexes using a cyclophane ligand. *Chemical Communications*, **2013**, 49, 6635-7	5.8	46
61	Heteroleptic Fe(II) complexes of 2,2biimidazole and its alkylated derivatives: spin-crossover and photomagnetic behavior. *Chemistry - A European Journal*, **2012**, 18, 15805-15	4.8	25
60	DNA surface modified gadolinium phosphate nanoparticles as MRI contrast agents. *Bioconjugate Chemistry*, **2012**, 23, 951-7	6.3	47
59	Magnetic neutron scattering of thermally quenched K-Co-Fe Prussian blue analog photomagnet. *Physical Review B*, **2012**, 86,	3.3	16
58	Photoinduced Magnetism in a Series of Prussian Blue Analogue Heterostructures. *Chemistry of Materials*, **2011**, 23, 3045-3053	9.6	69
57	Anisotropic magnetism in Prussian blue analogue films. *New Journal of Chemistry*, **2011**, 35, 1320	3.6	18
56	Thin films of coordination polymer magnets. *Chemical Society Reviews*, **2011**, 40, 3356-65	58.5	71
55	Photoinduced magnetism in core/shell Prussian blue analogue heterostructures of K(j)Ni(k)[Cr(CN)6]lnH2O with Rb(a)Co(b)[Fe(CN)6]cmH2O. *Inorganic Chemistry*, **2011**, 50, 4295-300	5.1	80
54	Preparation, crystal structure and magnetic properties of Ni2(dpa)2(pyz)(H2O)4. *Polyhedron*, **2011**, 30, 1420-1424	2.7	7
53	Persistent photoinduced magnetism in heterostructures of prussian blue analogues. *Journal of the American Chemical Society*, **2010**, 132, 4058-9	16.4	132
52	Metal monophosphonates M{(2-C5H4NO)CH2PO3}(H2O)2 (M = Co, Ni, Mn, Cd): synthesis, structure, and magnetism. *Inorganic Chemistry*, **2010**, 49, 8474-80	5.1	17
51	Pressure dependence of the magnetization in Mn7 single-molecule magnets. *Polyhedron*, **2010**, 29, 2462-2464	2.7	3
50	Tuning the sign of photoinduced changes in magnetization: spin transitions in the ternary metal Prussian blue analogue Na(alpha)Ni(1-x)Co(x)[Fe(CN)6](beta) x nH2O. *Journal of the American Chemical Society*, **2009**, 131, 12927-36	16.4	25
49	Superparamagnetic Fe3O4SiO2 nanocomposites: enabling the tuning of both the iron oxide load and the size of the nanoparticles. *Langmuir*, **2008**, 24, 3532-6	4	96

48	Langmuir–Blodgett films of molecular organic materials. *Journal of Physics Condensed Matter*, **2008**, 20, 184006	1.8	32
47	Anisotropic Photoinduced Magnetism in Thin Films of the Prussian Blue Analogue AjCok[Fe(CN)6]l□hH2O. *Chemistry of Materials*, **2008**, 20, 5706-5713	9.6	29
46	Inorganic Crystal Engineering through Cation Metathesis:□One-, Two-, and Three-Dimensional Cluster-Based Coordination Polymers. *Chemistry of Materials*, **2007**, 19, 2238-2246	9.6	28
45	Photoinduced magnetism in rubidium cobalt hexacyanoferrate Prussian blue analogue nanoparticles. *Polyhedron*, **2007**, 26, 2273-2275	2.7	19
44	Effect of film thickness on the photoinduced decrease in magnetism for thin films of the cobalt iron Prussian blue analogue Rb0.7Co4[Fe(CN)6]3.0. *Polyhedron*, **2007**, 26, 2281-2286	2.7	22
43	Finite-difference modeling of the anisotropic electric fields generated by stimulating needles used for catheter placement. *IEEE Transactions on Biomedical Engineering*, **2007**, 54, 1186-90	5	7
42	Size dependence of the photoinduced magnetism and long-range ordering in Prussian blue analogue nanoparticles of rubidium cobalt hexacyanoferrate. *New Journal of Physics*, **2007**, 9, 222-222	2.9	43
41	Dimethylammonium trichlorocuprate(II): structural transition, low-temperature crystal structure, and unusual two-magnetic chain structure dictated by nonbonding chloride-chloride contacts. *Inorganic Chemistry*, **2006**, 45, 7689-97	5.1	36
40	Magneto-structural correlations in Cu(tn)Cl2 (tn = 1,3-diaminopropane): two-dimensional spatially anisotropic triangular magnet formed by hydrogen bonds. *Inorganic Chemistry*, **2006**, 45, 1774-82	5.1	24
39	High magnetic field induced changes of gene expression in arabidopsis. *Biomagnetic Research and Technology*, **2006**, 4, 7		37
38	Topographical imaging technique for qualitative analysis of microarray data. *BioTechniques*, **2006**, 41, 554, 556, 558	2.5	1
37	Dramatic variation of magnetic exchange through double end-on azide bridges in a series of ladder-like copper(II) coordination polymers. *Inorganic Chemistry*, **2005**, 44, 638-48	5.1	54
36	Magnetism of metal cyanide networks assembled at interfaces. *Coordination Chemistry Reviews*, **2005**, 249, 2642-2648	23.2	62
35	Ferromagnetic dimer interactions in Cu2Cl4(CH3CN)2. *Journal of Chemical Physics*, **2004**, 120, 1140-1	3.9	5
34	Zero Sound Attenuation Near the Quantum Limit in Normal Liquid 3He Close to the Superfluid Transition. *Journal of Low Temperature Physics*, **2003**, 130, 77-101	1.3	2
33	Magneto-structural correlations in one-dimensional Ni(en)2Pd(CN)4: magnetic properties and redetermination of the crystal structure at two temperatures. *Solid State Sciences*, **2003**, 5, 579-585	3.4	20
32	Two applications of metal cyanide square grid monolayers: studies of evolving magnetic properties in layered films and templating Prussian blue family thin films. *Polyhedron*, **2003**, 22, 2125-2131	2.7	21
31	Interface directed assembly of cyanide-bridged Fe□o and Fe□n square grid networks. *Polyhedron* , **2003**, 22, 3059-3064	2.7	10

30	Monolayer, bilayer, multilayers: evolving magnetic behavior in Langmuir-Blodgett films containing a two-dimensional iron-nickel cyanide square grid network. *Inorganic Chemistry*, **2003**, 42, 2842-8	5.1	52
29	Sequential Assembly of Homogeneous Magnetic Prussian Blue Films on Templated Surfaces. *Chemistry of Materials*, **2003**, 15, 3431-3436	9.6	50
28	High-frequency and -field EPR spectroscopy of tris(2,4-pentanedionato)manganese(III): investigation of solid-state versus solution Jahn-Teller effects. *Inorganic Chemistry*, **2003**, 42, 4610-8	5.1	97
27	Assembly of a Two-dimensional Cobalt-iron Cyanide Grid Network at an Air-water Interface. *Molecular Crystals and Liquid Crystals*, **2002**, 376, 383-388	0.5	
26	Hole-punching paper for physics and fun. *Physics Education*, **2002**, 37, 262-263	0.8	1
25	Organic/Inorganic LangmuirBlodgett Films Based on Metal Phosphonates. 5. A Magnetic Manganese Phosphonate Film Including a Tetrathiafulvalene Amphiphile1. *Chemistry of Materials*, **2002**, 14, 2011-2019	9.6	26
24	Supramolecular assembly at interfaces: formation of an extended two-dimensional coordinate covalent square grid network at the air-water interface. *Journal of the American Chemical Society*, **2002**, 124, 10083-90	16.4	98
23	Lyotropic Phase From Hybrid Organic-Inorganic Layered Copper Hydroxides. *Molecular Crystals and Liquid Crystals*, **2002**, 376, 127-134	0.5	6
22	A Magnetic Manganese Phosphonate Langmuir-Blodgett Film Containing a Tetrathiafulvalene Amphiphile. *Molecular Crystals and Liquid Crystals*, **2002**, 376, 121-126	0.5	3
21	EPR spectra from "EPR-silent" species: high-frequency and high-field EPR spectroscopy of pseudotetrahedral complexes of nickel(II). *Inorganic Chemistry*, **2002**, 41, 4478-87	5.1	103
20	Layered Mixed-Metal Phenylphosphonates, MnxCo1(O3PC6H5)H2O: Structure and Magnetic Properties. *Journal of Solid State Chemistry*, **2001**, 159, 362-370	3.3	11
19	Metal Cyanide Networks Formed at an Air-Water Interface: Structure and Magnetic Properties. *Materials Research Society Symposia Proceedings*, **2000**, 658, 521		
18	Pulsed Fourier-Transform Ultrasonic Spectroscopy for Ultralow Temperature Applications. *Journal of Low Temperature Physics*, **2000**, 121, 815-820	1.3	2
17	Direct measurement of the energy gap of superfluid 3He-B in the low-temperature limit. *Physical Review Letters*, **2000**, 85, 2537-40	7.4	7
16	Structural Characterization and Magnetic Order in Phenoxy-Substituted Divalent Metal Phosphonate LangmuirBlodgett Films. *Journal of Solid State Chemistry*, **1999**, 145, 443-451	3.3	10
15	Broadband Frequency Study of the Zero Sound Attenuation Near the Quantum Limit in Normal Liquid 3He Close to the Superfluid Transition. *Journal of Low Temperature Physics*, **1998**, 113, 543-548	1.3	
14	Synthesis, structure and physical properties of a new organic metal, (BEDO-TTF)4[C4N6]H2O. *Journal of Materials Chemistry*, **1998**, 8, 1373-1378		8
13	Antiferromagnetic Resonance as a Tool for Investigating Magnetostructural Correlations: The Canted Antiferromagnetic State of KMnPO4H2O and a Series of Manganese Phosphonates. *Journal of the American Chemical Society*, **1998**, 120, 5469-5479	16.4	65

12	New BEDT-TTF Salts Incorporating the Hydrogen Dichloride (HCl2-) Anion. *Chemistry of Materials*, **1998**, 10, 1102-1108	9.6	10
11	LangmuirBlodgett Films of Known Layered Solids: Preparation and Structural Properties of Octadecylphosphonate Bilayers with Divalent Metals and Characterization of a Magnetic LangmuirBlodgett Film. *Journal of the American Chemical Society*, **1997**, 119, 7084-7094	16.4	89
10	Plastic dilution refrigerators. *Journal of Low Temperature Physics*, **1995**, 99, 151-166	1.3	11
9	A compact copper nuclear demagnetization refrigerator. *Physica B: Condensed Matter*, **1994**, 194-196, 53-54	2.8	3
8	Structure- and Orientation-Dependent Magnetic Susceptibility of Tetramethylammonium Nickel Nitrite, (CH3)4N[Ni(NO2)3]: An S = 1 One-Dimensional Heisenberg Antiferromagnet. *Chemistry of Materials*, **1994**, 6, 2051-2055	9.6	17
7	Supersolid 4He: an overview of past searches and future possibilities. *Physica B: Condensed Matter*, **1992**, 178, 121-128	2.8	98
6	Universal effect of surface roughness on the critical current of superfluid 4He in narrow pores. *Physica B: Condensed Matter*, **1990**, 165-166, 579-580	2.8	1
5	Thermal expansion, velocity of sound, and compressibility in liquid3He under pressure. *Journal of Low Temperature Physics*, **1983**, 52, 433-447	1.3	15
4	Discrepancy in the Heat Capacity of Liquid He3. *Physical Review Letters*, **1982**, 48, 330-333	7.4	7
3	New data on the heat capacity of liquid 3He. *Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics*, **1981**, 108, 1211-1212		1
2	Magnetic Langmuir-Blodgett Films457-484		1
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