

Mark W Meisel

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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	Persistent photoinduced magnetism in heterostructures of prussian blue analogues. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4058-9	16.4	132
100	EPR spectra from "EPR-silent" species: high-frequency and high-field EPR spectroscopy of pseudotetrahedral complexes of nickel(II). <i>Inorganic Chemistry</i> , 2002 , 41, 4478-87	5.1	103
99	Supramolecular assembly at interfaces: formation of an extended two-dimensional coordinate covalent square grid network at the air-water interface. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10083-90	16.4	98
98	Supersolid 4He: an overview of past searches and future possibilities. <i>Physica B: Condensed Matter</i> , 1992 , 178, 121-128	2.8	98
97	High-frequency and -field EPR spectroscopy of tris(2,4-pentanedionato)manganese(III): investigation of solid-state versus solution Jahn-Teller effects. <i>Inorganic Chemistry</i> , 2003 , 42, 4610-8	5.1	97
96	Superparamagnetic Fe ₃ O ₄ /SiO ₂ nanocomposites: enabling the tuning of both the iron oxide load and the size of the nanoparticles. <i>Langmuir</i> , 2008 , 24, 3532-6	4	96
95	Langmuir-Blodgett Films of Known Layered Solids: Preparation and Structural Properties of Octadecylphosphonate Bilayers with Divalent Metals and Characterization of a Magnetic Langmuir-Blodgett Film. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7084-7094	16.4	89
94	Photoinduced magnetism in core/shell Prussian blue analogue heterostructures of K(j)Ni(k)[Cr(CN) ₆] _l ·hH ₂ O with Rb(a)Co(b)[Fe(CN) ₆] _c ·mH ₂ O. <i>Inorganic Chemistry</i> , 2011 , 50, 4295-300	5.1	80
93	Light-induced changes in magnetism in a coordination polymer heterostructure, Rb _{0.24} Co[Fe(CN) ₆] _{0.74} ·K _{0.10} Co[Cr(CN) ₆] _{0.70} ·hH ₂ O and the role of the shell thickness on the properties of both core and shell. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15660-9	16.4	75
92	Thin films of coordination polymer magnets. <i>Chemical Society Reviews</i> , 2011 , 40, 3356-65	58.5	71
91	Photoinduced Magnetism in a Series of Prussian Blue Analogue Heterostructures. <i>Chemistry of Materials</i> , 2011 , 23, 3045-3053	9.6	69
90	Rb _j Mk[Fe(CN) ₆] _l (M = Co, Ni) Prussian Blue Analogue Hollow Nanocubes: a New Example of a Multilevel Pore System. <i>Chemistry of Materials</i> , 2013 , 25, 42-47	9.6	65
89	Antiferromagnetic Resonance as a Tool for Investigating Magnetostructural Correlations: The Canted Antiferromagnetic State of KMnPO ₄ ·H ₂ O and a Series of Manganese Phosphonates. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5469-5479	16.4	65
88	Magnetism of metal cyanide networks assembled at interfaces. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 2642-2648	23.2	62
87	Light-induced magnetization changes in a coordination polymer heterostructure of a Prussian blue analogue and a Hofmann-like Fe(II) spin crossover compound. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9846-9	16.4	54
86	Dramatic variation of magnetic exchange through double end-on azide bridges in a series of ladder-like copper(II) coordination polymers. <i>Inorganic Chemistry</i> , 2005 , 44, 638-48	5.1	54
85	Monolayer, bilayer, multilayers: evolving magnetic behavior in Langmuir-Blodgett films containing a two-dimensional iron-nickel cyanide square grid network. <i>Inorganic Chemistry</i> , 2003 , 42, 2842-8	5.1	52

84	Sequential Assembly of Homogeneous Magnetic Prussian Blue Films on Templated Surfaces. <i>Chemistry of Materials</i> , 2003 , 15, 3431-3436	9.6	50
83	DNA surface modified gadolinium phosphate nanoparticles as MRI contrast agents. <i>Bioconjugate Chemistry</i> , 2012 , 23, 951-7	6.3	47
82	Preorganized assembly of three iron(II) or manganese(II) Ediketimate complexes using a cyclophane ligand. <i>Chemical Communications</i> , 2013 , 49, 6635-7	5.8	46
81	Size dependence of the photoinduced magnetism and long-range ordering in Prussian blue analogue nanoparticles of rubidium cobalt hexacyanoferrate. <i>New Journal of Physics</i> , 2007 , 9, 222-222	2.9	43
80	Evidence for Interface-Induced Strain and Its Influence on Photomagnetism in Prussian Blue Analogue Core-Shell Heterostructures, $\text{Rb}_x\text{Co}_y[\text{Fe}(\text{CN})_6]_z \cdot n\text{H}_2\text{O} @ \text{K}[\text{Ni}[\text{Cr}(\text{CN})_6] \cdot n\text{H}_2\text{O}]$. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 5420-5429	3.8	39
79	Control of the Speed of a Light-Induced Spin Transition through Mesoscale Core-Shell Architecture. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5814-5824	16.4	38
78	High magnetic field induced changes of gene expression in arabidopsis. <i>Biomagnetic Research and Technology</i> , 2006 , 4, 7		37
77	Dimethylammonium trichlorocuprate(II): structural transition, low-temperature crystal structure, and unusual two-magnetic chain structure dictated by nonbonding chloride-chloride contacts. <i>Inorganic Chemistry</i> , 2006 , 45, 7689-97	5.1	36
76	Langmuir-Blodgett films of molecular organic materials. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 184006	1.8	32
75	Electrospinning synthesis of superconducting BSCCO nanowires. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 495, 109-113	1.3	31
74	Anisotropic Photoinduced Magnetism in Thin Films of the Prussian Blue Analogue $\text{AjCo}_x[\text{Fe}(\text{CN})_6]_y \cdot n\text{H}_2\text{O}$. <i>Chemistry of Materials</i> , 2008 , 20, 5706-5713	9.6	29
73	Inorganic Crystal Engineering through Cation Metathesis: One-, Two-, and Three-Dimensional Cluster-Based Coordination Polymers. <i>Chemistry of Materials</i> , 2007 , 19, 2238-2246	9.6	28
72	Stepwise Reduction of Electrochemically Lithiated Core-Shell Heterostructures Based on the Prussian Blue Analogue Coordination Polymers $\text{K}_{0.1}\text{Cu}[\text{Fe}(\text{CN})_6]_{0.7} \cdot 5\text{H}_2\text{O}$ and $\text{K}_{0.1}\text{Ni}[\text{Fe}(\text{CN})_6]_{0.7} \cdot 4\text{H}_2\text{O}$. <i>Chemistry of Materials</i> , 2015 , 27, 1524-1530	9.6	26
71	Organic/Inorganic Langmuir-Blodgett Films Based on Metal Phosphonates. 5. A Magnetic Manganese Phosphonate Film Including a Tetrathiafulvalene Amphiphile 1. <i>Chemistry of Materials</i> , 2002 , 14, 2011-2019	9.6	26
70	Heteroleptic Fe(II) complexes of 2,2'-bimidazole and its alkylated derivatives: spin-crossover and photomagnetic behavior. <i>Chemistry - A European Journal</i> , 2012 , 18, 15805-15	4.8	25
69	Tuning the sign of photoinduced changes in magnetization: spin transitions in the ternary metal Prussian blue analogue $\text{Na}(\alpha)\text{Ni}_{(1-x)}\text{Co}_x[\text{Fe}(\text{CN})_6](\beta) \cdot x n\text{H}_2\text{O}$. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12927-36	16.4	25
68	Magneto-structural correlations in $\text{Cu}(\text{tn})\text{Cl}_2$ (tn = 1,3-diaminopropane): two-dimensional spatially anisotropic triangular magnet formed by hydrogen bonds. <i>Inorganic Chemistry</i> , 2006 , 45, 1774-82	5.1	24
67	Electrospinning of superconducting YBCO nanowires. <i>Superconductor Science and Technology</i> , 2015 , 28, 015006	3.1	23

66	Light Switchable Magnetism in a Coordination Polymer Heterostructure Combining the Magnetic Potassium Chromiumhexacyanochromate with the Light-Responsive Rubidium Cobalthexacyanoferrate. <i>Chemistry of Materials</i> , 2015 , 27, 6185-6188	9.6	22
65	Effect of film thickness on the photoinduced decrease in magnetism for thin films of the cobalt iron Prussian blue analogue Rb _{0.7} Co ₄ [Fe(CN) ₆] _{3.0} . <i>Polyhedron</i> , 2007 , 26, 2281-2286	2.7	22
64	Synthesis and size control of iron(II) hexacyanochromate(III) nanoparticles and the effect of particle size on linkage isomerism. <i>Inorganic Chemistry</i> , 2013 , 52, 4494-501	5.1	21
63	Two applications of metal cyanide square grid monolayers: studies of evolving magnetic properties in layered films and templating Prussian blue family thin films. <i>Polyhedron</i> , 2003 , 22, 2125-2131	2.7	21
62	Magneto-structural correlations in one-dimensional Ni(en) ₂ Pd(CN) ₄ : magnetic properties and redetermination of the crystal structure at two temperatures. <i>Solid State Sciences</i> , 2003 , 5, 579-585	3.4	20
61	Photoinduced magnetism in rubidium cobalt hexacyanoferrate Prussian blue analogue nanoparticles. <i>Polyhedron</i> , 2007 , 26, 2273-2275	2.7	19
60	Anisotropic magnetism in Prussian blue analogue films. <i>New Journal of Chemistry</i> , 2011 , 35, 1320	3.6	18
59	Structural and magnetic properties of CoO-Pt core-shell nanoparticles. <i>Physical Review B</i> , 2014 , 89,	3.3	17
58	Metal monophosphonates M{(2-C ₅ H ₄ NO)CH ₂ PO ₃ }(H ₂ O) ₂ (M = Co, Ni, Mn, Cd): synthesis, structure, and magnetism. <i>Inorganic Chemistry</i> , 2010 , 49, 8474-80	5.1	17
57	Structure- and Orientation-Dependent Magnetic Susceptibility of Tetramethylammonium Nickel Nitrite, (CH ₃) ₄ N[Ni(NO ₂) ₃]: An S = 1 One-Dimensional Heisenberg Antiferromagnet. <i>Chemistry of Materials</i> , 1994 , 6, 2051-2055	9.6	17
56	A family of tri- and dimetallic pyridine dicarboxamide cryptates: unusual O,N,O-coordination and facile access to secondary coordination sphere hydrogen bonding interactions. <i>Inorganic Chemistry</i> , 2015 , 54, 2691-704	5.1	16
55	Magnetic neutron scattering of thermally quenched K-Co-Fe Prussian blue analog photomagnet. <i>Physical Review B</i> , 2012 , 86,	3.3	16
54	Introducing Dimensionality to the Archetypical Mn ₁₂ Single-Molecule Magnet: a Family of [Mn ₁₂] _n Chains. <i>Inorganic Chemistry</i> , 2016 , 55, 1367-9	5.1	15
53	Thermal expansion, velocity of sound, and compressibility in liquid ³ He under pressure. <i>Journal of Low Temperature Physics</i> , 1983 , 52, 433-447	1.3	15
52	Structural and magnetic properties of four layered dicyanamide-based coordination polymers: M ₂ N(CN) ₂ ·2(DMSO) ₂ , [M = Mn, Fe, Co, Ni]. <i>Polyhedron</i> , 2013 , 66, 142-146	2.7	13
51	Antiferromagnetic order in single crystals of the S=2 quasi-one-dimensional chain MnCl ₃ (bpy). <i>Physical Review B</i> , 2016 , 93,	3.3	11
50	Photoinduced perturbations of the magnetic superexchange in core@shell Prussian blue analogues. <i>Polyhedron</i> , 2013 , 66, 153-156	2.7	11
49	Layered Mixed-Metal Phenylphosphonates, Mn _x Co _{1-x} (O ₃ PC ₆ H ₅) ₂ ·H ₂ O: Structure and Magnetic Properties. <i>Journal of Solid State Chemistry</i> , 2001 , 159, 362-370	3.3	11

48	Plastic dilution refrigerators. <i>Journal of Low Temperature Physics</i> , 1995 , 99, 151-166	1.3	11
47	Interface directed assembly of cyanide-bridged Fe ^{II} Co and Fe ^{II} Mn square grid networks. <i>Polyhedron</i> , 2003 , 22, 3059-3064	2.7	10
46	New BEDT-TTF Salts Incorporating the Hydrogen Dichloride (HCl ₂ ⁻) Anion. <i>Chemistry of Materials</i> , 1998 , 10, 1102-1108	9.6	10
45	Structural Characterization and Magnetic Order in Phenoxy-Substituted Divalent Metal Phosphonate Langmuir-Blodgett Films. <i>Journal of Solid State Chemistry</i> , 1999 , 145, 443-451	3.3	10
44	MR measurement of alloy magnetic susceptibility: towards developing tissue-susceptibility matched metals. <i>Journal of Magnetic Resonance</i> , 2013 , 233, 49-55	3	9
43	Synergistic photomagnetic effects in coordination polymer heterostructure particles of Hofmann-like Fe(4-phenylpyridine)[Ni(CN)] ₂ ·5H ₂ O and KNi[Cr(CN)] ₂ ·H ₂ O. <i>Dalton Transactions</i> , 2016 , 45, 16624-16634	4.3	9
42	Influence of particle size on the phase behavior associated with the thermal spin transition of the Prussian blue analogue K _{0.4} Co _{1.3} [Fe(CN) ₆] ₂ ·4.4H ₂ O. <i>Polyhedron</i> , 2013 , 64, 289-293	2.7	8
41	Correlating Bridging Ligand with Properties of Ligand-Templated [MnX] Clusters (X = Br, Cl, H, MeO). <i>Inorganic Chemistry</i> , 2017 , 56, 12012-12022	5.1	8
40	Complex Magnetic Phases in Nanosized Prussian Blue Analogue Cubes: Rb _{0.48} Co[Fe(CN) ₆] _{0.75} [(H ₂ O) ₆] _{0.25} ·0.34H ₂ ·0.36Ni[Cr(CN) ₆] _{0.74} [(H ₂ O) ₆] _{0.26} ·0.11H ₂ O ₃ . <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29138-29147		8
39	Synthesis, characterization, and reactivity of iron(III) complexes supported by a trianionic ONO(3-) pincer ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 13078-88	5.1	8
38	Synthesis, structure and physical properties of a new organic metal, (BEDO-TTF) ₄ [C ₄ N ₆]H ₂ O. <i>Journal of Materials Chemistry</i> , 1998 , 8, 1373-1378		8
37	Pressure-tuning of the photomagnetic response of heterostructured CoFe@CrCr-PBA core@shell nanoparticles. <i>Polyhedron</i> , 2017 , 123, 323-327	2.7	7
36	Effect of pressure on the magnetic properties of LiCuFe and LiCuFe@LiNiCr Prussian blue analogues. <i>Polyhedron</i> , 2013 , 66, 264-267	2.7	7
35	Magnetic structure of the mixed antiferromagnet NdMn _{0.8} Fe _{0.2} O ₃ . <i>Physical Review B</i> , 2017 , 96,	3.3	7
34	Preparation, crystal structure and magnetic properties of Ni ₂ (dpa) ₂ (pyz)(H ₂ O) ₄ . <i>Polyhedron</i> , 2011 , 30, 1420-1424	2.7	7
33	Finite-difference modeling of the anisotropic electric fields generated by stimulating needles used for catheter placement. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 1186-90	5	7
32	Direct measurement of the energy gap of superfluid ³ He-B in the low-temperature limit. <i>Physical Review Letters</i> , 2000 , 85, 2537-40	7.4	7
31	Discrepancy in the Heat Capacity of Liquid He ³ . <i>Physical Review Letters</i> , 1982 , 48, 330-333	7.4	7

30	Crafting Spin-State Switchable Strain Profiles within $\text{RbxCo}[\text{Fe}(\text{CN})_6]_y@K_j\text{Ni}[\text{Cr}(\text{CN})_6]_k$ Heterostructures. <i>Chemistry of Materials</i> , 2021 , 33, 246-255	9.6	7
29	Lyotropic Phase From Hybrid Organic-Inorganic Layered Copper Hydroxides. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 127-134	0.5	6
28	Long-range magnetic order and interchain interactions in the S=2 chain system $\text{MnCl}_3(\text{bpy})$. <i>Physical Review B</i> , 2016 , 94,	3.3	6
27	Absolute magnetic susceptibility of rat brain tissue. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 876-9	4.4	5
26	Ferromagnetic dimer interactions in $\text{Cu}_2\text{Cl}_4(\text{CH}_3\text{CN})_2$. <i>Journal of Chemical Physics</i> , 2004 , 120, 1140-1	3.9	5
25	Light-induced magnetization changes in aggregated and isolated cobalt ferrite nanoparticles. <i>Journal of Applied Physics</i> , 2018 , 124, 103904	2.5	5
24	Inelastic neutron scattering study of the anisotropic S=1 spin chain $[\text{Ni}(\text{HF}_2)(3\text{pyridine})_4]\text{BF}_4$. <i>Physical Review B</i> , 2020 , 101,	3.3	3
23	Pressure dependence of the magnetization in Mn7 single-molecule magnets. <i>Polyhedron</i> , 2010 , 29, 2462-2464	2.7	3
22	A Magnetic Manganese Phosphonate Langmuir-Blodgett Film Containing a Tetrathiafulvalene Amphiphile. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 121-126	0.5	3
21	A compact copper nuclear demagnetization refrigerator. <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 53-54	2.8	3
20	Antiferromagnetic ordering in $\text{MnF}(\text{salen})$. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 236003	1.8	3
19	Asymmetric Design of Spin-Crossover Complexes to Increase the Volatility for Surface Deposition. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14563-14572	16.4	3
18	Structure-property studies of a new one-dimensional Fe(III)/Mn(II) chain. <i>Polyhedron</i> , 2020 , 179, 114376	2.7	2
17	Magnetic Properties of Single-Crystals of the S=2 Quasi-1D Heisenberg Antiferromagnet $\text{MnCl}_3(\text{bpy})$. <i>Physics Procedia</i> , 2015 , 75, 106-113		2
16	Zero Sound Attenuation Near the Quantum Limit in Normal Liquid ^3He Close to the Superfluid Transition. <i>Journal of Low Temperature Physics</i> , 2003 , 130, 77-101	1.3	2
15	Pulsed Fourier-Transform Ultrasonic Spectroscopy for Ultralow Temperature Applications. <i>Journal of Low Temperature Physics</i> , 2000 , 121, 815-820	1.3	2
14	Stimulus induced strain in spin transition heterostructures. <i>Journal of Applied Physics</i> , 2021 , 129, 160903	2.5	2
13	Light-Switchable Exchange-Coupled Magnet. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2471-2475	4	2

12	Interplay between core and shell in a RbCoFe@RbNiCo Prussian blue analogue spin transition heterostructure. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10830-10840	7.1	2
11	Unusual Magnetic Response of an S= 1 Antiferromagnetic Linear-Chain Material. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012121	0.3	2
10	Tuning of magnetism in DyMn _{1-x} FexO ₃ (x). <i>Physica B: Condensed Matter</i> , 2018 , 536, 102-106	2.8	1
9	Topographical imaging technique for qualitative analysis of microarray data. <i>BioTechniques</i> , 2006 , 41, 554, 556, 558	2.5	1
8	Magnetic Langmuir-Blodgett Films 457-484		1
7	Hole-punching paper for physics and fun. <i>Physics Education</i> , 2002 , 37, 262-263	0.8	1
6	Universal effect of surface roughness on the critical current of superfluid 4He in narrow pores. <i>Physica B: Condensed Matter</i> , 1990 , 165-166, 579-580	2.8	1
5	New data on the heat capacity of liquid 3He. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981 , 108, 1211-1212		1
4	Broadband Frequency Study of the Zero Sound Attenuation Near the Quantum Limit in Normal Liquid 3He Close to the Superfluid Transition. <i>Journal of Low Temperature Physics</i> , 1998 , 113, 543-548	1.3	
3	Assembly of a Two-dimensional Cobalt-iron Cyanide Grid Network at an Air-water Interface. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 383-388	0.5	
2	Metal Cyanide Networks Formed at an Air-Water Interface: Structure and Magnetic Properties. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 658, 521		
1	Magnetic Langmuir-Blodgett Films 457-484		