Barbara Sieklucka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8718191/publications.pdf

Version: 2024-02-01

203 papers	6,293 citations	76031 42 h-index	116156 66 g-index
242 all docs	242 docs citations	242 times ranked	3066 citing authors

#	Article	IF	Citations
1	rationalizing photoswitchable behavior of Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e434" altimg="si7.svg"><mml:msubsup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mi mathvariant="normal">II</mml:mi></mml:mrow></mml:msubsup></mml:math>Mo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e445"	1.0	1
2	The rationalized pathway from field-induced slow magnetic relaxation in Co^{II}â€“W^{IV} chains to single-chain magnetism in isotopological Co^{II}â€“W^V analogues. Inorganic Chemistry Frontiers, 2022, 9, 1152-1170.	3.0	7
3	Experimental and theoretical insights into the photomagnetic effects in trinuclear and ionic Cu(<scp>ii</scp>)â€“Mo(<scp>iv</scp>) systems. Inorganic Chemistry Frontiers, 2022, 9, 771-783.	3.0	10
4	Magnetic interactions controlled by light in the family of Fe(<scp>ii</scp>)â€“M(<scp>iv</scp>) (M =) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	6
5	Roomâ€Temperature Bistability in a Niâ€“Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity. Angewandte Chemie - International Edition, 2021, 60, 2330-2338.	7.2	30
6	Roomâ€Temperature Bistability in a Niâ€“Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity. Angewandte Chemie, 2021, 133, 2360-2368.	1.6	2
7	SHG-active NIR-emissive molecular nanomagnets generated in layered neodymium(<scp>iii</scp>)â€“octacyanidometallate(<scp>iv</scp>) frameworks. Journal of Materials Chemistry C, 2021, 9, 10705-10717.	2.7	15
8	RÃ¼cktitelbild: Roomâ€Temperature Bistability in a Niâ€“Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity (Angew. Chem. 5/2021). Angewandte Chemie, 2021, 133, 2740-2740.	1.6	1
9	The ONâ€“OFF switching of thermal spin crossover by interstitial solvent exchange in a layered ReVâ€“CNâ€“FeII coordination framework. Journal of Applied Physics, 2021, 129, 143902.	1.1	4
10	A Case Study on the Desired Selectivity in Solidâ€State Mechanoâ€and Slowâ€Chemistry, Melt, and Solution Methodologies. ChemSusChem, 2021, 14, 3887-3894.	3.6	10
11	Hepta-coordinated Ni(<scp>ii</scp>) assemblies â€“ structure and magnetic studies. Dalton Transactions, 2021, 50, 5251-5261.	1.6	5
12	Combined Experimental and Ab Initio Methods for Rationalization of Magneto-Luminescent Properties of Yb^{III} Nanomagnets Embedded in Cyanido/Thiocyanidometallate-Based Crystals. Journal of Physical Chemistry Letters, 2021, 12, 10558-10566.	2.1	11
13	Comprehensive thermodynamic study of three Co(II)- and Fe(II)-based octacyanoniobates. Physical Review B, 2021, 104, .	1.1	0
14	Europium(III) Photoluminescence Governed by d8â€“d10 Heterometallophilic Interactions in Trimetallic Cyanido-Bridged Coordination Frameworks. Inorganic Chemistry, 2020, 59, 1393-1404.	1.9	25
15	Octacyanidometallates for multifunctional molecule-based materials. Chemical Society Reviews, 2020, 49, 5945-6001.	18.7	100
16	Tuning of the phase transition between site selective SCO and intermetallic ET in trimetallic magnetic cyanido-bridged clusters. Dalton Transactions, 2020, 49, 17321-17330.	1.6	7
17	Octacyanidorhenate(V) Ion as an Efficient Linker for Hysteretic Twoâ€Step Iron(II) Spin Crossover Switchable by Temperature, Light, and Pressure. Angewandte Chemie - International Edition, 2020, 59, 15741-15749.	7.2	71
18	Modular approach towards functional multimetallic coordination clusters. Coordination Chemistry Reviews, 2020, 419, 213394.	9.5	38

#	Article	IF	Citations
19	Guestâ€Dependent Pressureâ€Induced Spin Crossover in Fe II 4 [M IV (CN) 8] 2 (M=Mo, W) Clusterâ€Based Material Showing Persistent Solventâ€Driven Structural Transformations. Chemistry - A European Journal, 2020, 26, 11187-11198.	1.7	12
20	Octacyanidorhenate(V) Ion as an Efficient Linker for Hysteretic Twoâ€Step Iron(II) Spin Crossover Switchable by Temperature, Light, and Pressure. Angewandte Chemie, 2020, 132, 15871-15879.	1.6	8
21	Proton Conductive Luminescent Thermometer Based on Near-Infrared Emissive {YbCo₂} Molecular Nanomagnets. Journal of the American Chemical Society, 2020, 142, 3970-3979.	6.6	106
22	Chiral Photomagnets Based on Copper(II) complexes of 1,2-Diaminocyclohexane and Octacyanidomolybdate(IV) Ions. Inorganic Chemistry, 2020, 59, 5872-5882.	1.9	13
23	Near-infrared emissive Er(<scp>iii</scp>) and Yb(<scp>iii</scp>) molecular nanomagnets in metalâ€“organic chains functionalized by octacyanidometallates(<scp>iv</scp>). Inorganic Chemistry Frontiers, 2019, 6, 2423-2434.	3.0	38
24	How to Quench Ferromagnetic Ordering in a CN-Bridged Ni(II)-Nb(IV) Molecular Magnet? A Combined High-Pressure Single-Crystal X-Ray Diffraction and Magnetic Study. Magnetochemistry, 2019, 5, 33.	1.0	9
25	Dehydrationâ€“Hydration Switching of Single-Molecule Magnet Behavior and Visible Photoluminescence in a Cyanido-Bridged DyIIICoIII Framework. Journal of the American Chemical Society, 2019, 141, 18211-18220.	6.6	93
26	Multi-colour uranyl emission efficiently tuned by hexacyanidometallates within hybrid coordination frameworks. Chemical Communications, 2019, 55, 3057-3060.	2.2	29
27	Laudation: In Celebration of Masahiro Yamashitaâ€™s 65th Birthday. Magnetochemistry, 2019, 5, 25.	1.0	2
28	Photoluminescent Lanthanide(III) Singleâ€Molecule Magnets in Threeâ€Dimensional Polycyanidocuprate(I)â€Based Frameworks. Chemistry - A European Journal, 2019, 25, 11820-11825.	1.7	44
29	A two-fold 3D interpenetrating cyanido-bridged network based on the octa-coordinated [Mo(CN)₈]^{4â^’} building block. CrystEngComm, 2019, 21, 5067-5075.	1.3	8
30	Effect of Noble Metals on Luminescence and Single-Molecule Magnet Behavior in the Cyanido-Bridged Lnâ€“Ag and Lnâ€“Au (Ln = Dy, Yb, Er) Complexes. Inorganic Chemistry, 2019, 58, 5677-5687.	1.9	42
31	In Situ Ligand Transformation for Two-Step Spin Crossover in FeII[MIV(CN)8]4â€“ (M = Mo, Nb) Cyanido-Bridged Frameworks. Inorganic Chemistry, 2019, 58, 6052-6063.	1.9	24
32	Humidity driven molecular switch based on photoluminescent Dy^{III}Co^{III} single-molecule magnets. Journal of Materials Chemistry C, 2019, 7, 4164-4172.	2.7	35
33	Site-Selective Photoswitching of Two Distinct Magnetic Chromophores in a Propeller-Like Molecule To Achieve Four Different Magnetic States. Journal of the American Chemical Society, 2019, 141, 19067-19077.	6.6	42
34	Proton-Conducting Humidity-Sensitive Ni^{II}â€“Nb^{IV} Magnetic Coordination Network. Inorganic Chemistry, 2019, 58, 15812-15823.	1.9	14
35	Wide-Range UV-to-Visible Excitation of Near-Infrared Emission and Slow Magnetic Relaxation in Ln^{III}(4,4â€²-Azopyridine-1,1â€²-dioxide)[Co^{III}(CN)₆]^{3â€“} Layered Frameworks. Inorganic Chemistry, 2019, 58, 165-179.	1.9	22
36	Lightâ€Induced Spinâ€State Switching of the Mo^{IV} Centre in Trinuclear [Cu^{II}(diamine)₂]₂[Mo^{IV}(CN)₈] Molecules. European Journal of Inorganic Chemistry, 2018, 2018, 2019-2025.	1.0	6

#	Article	IF	Citations
37	Antiferromagnetic exchange and long-range magnetic ordering in supramolecular networks constructed of hexacyanido-bridged Ln^{III}(3-pyridone)â€“Cr^{III} (Ln = Gd, Tb) chains. CrystEngComm, 2018, 20, 1271-1281.	1.3	7
38	Dinuclear molecular magnets with unblocked magnetic connectivity: magnetocaloric effect. RSC Advances, 2018, 8, 14640-14645.	1.7	5
39	Hybrid Organicâ€“Inorganic Cyanide-Bridged Networks. Topics in Organometallic Chemistry, 2018, , 1-34.	0.7	0
40	Achieving white light emission and increased magnetic anisotropy by transition metal substitution in functional materials based on dinuclear Dy^{III}(4-pyridone)[M^{III}(CN)₆]^{3â^’} (M = Co, Rh) molecules. Journal of Materials Chemistry C, 2018, 6, 473-481.	2.7	44
41	Connecting Visible Photoluminescence and Slow Magnetic Relaxation in Dysprosium(III) Octacyanidorhenate(V) Helices. Inorganic Chemistry, 2018, 57, 14039-14043.	1.9	15
42	A Photomagnetic Sponge: High-Temperature Light-Induced Ferrimagnet Controlled by Water Sorption. Journal of the American Chemical Society, 2018, 140, 15876-15882.	6.6	43
43	Dehydration-Triggered Charge Transfer and High Proton Conductivity in (H₃O)[Ni^{III}(cyclam)][M^{II}(CN)₆] (M = Ru, Os) Cyanide-Bridged Chains. Inorganic Chemistry, 2018, 57, 13415-13422.	1.9	20
44	The photomagnetic effect in 2-D cyanido-bridged coordination polymer [Cu(aepa)]₁₀[Mo(CN)₈]₅·30H₂O. New Journal of Chemistry, 2018, 42, 17009-17015.	1.4	5
45	Incorporation of hexacyanidoferrate(<scp>iii</scp>) ion in photoluminescent trimetallic Eu(3-pyridone)[Co_{1â^’x}Fe_x(CN)₆] chains exhibiting tunable visible light absorption and emission properties. CrystEngComm, 2018, 20, 5695-5706.	1.3	13
46	Cross-linking of cyanide magnetic coordination polymers by rational insertion of formate, cyanide or azide. Dalton Transactions, 2018, 47, 11888-11894.	1.6	7
47	Hybrid organicâ€“inorganic connectivity of Nd^{III}(pyrazine-N,Nâ€²-dioxide)[Co^{III}(CN)₆]^{3â^’} coordination chains for creating near-infrared emissive Nd(<scp>iii</scp>) showing field-induced slow magnetic relaxation. Dalton Transactions, 2018, 47, 7870-7874.	1.6	22
48	Molecular realizations of 3D Heisenberg magnet: Critical scaling. Journal of Alloys and Compounds, 2018, 765, 520-526.	2.8	4
49	Irradiation Temperature Dependence of the Photomagnetic Mechanisms in a Cyanido-Bridged Cu^{II}₂Mo^{IV} Trinuclear Molecule. Inorganic Chemistry, 2018, 57, 8137-8145.	1.9	21
50	Magnetic percolation in CN-bridged ferrimagnetic coordination polymers. Dalton Transactions, 2018, 47, 11438-11444.	1.6	6
51	TbCo and Tb0.5Dy0.5Co layered cyanido-bridged frameworks for construction of colorimetric and ratiometric luminescent thermometers. Journal of Materials Chemistry C, 2018, 6, 8372-8384.	2.7	48
52	Self-Enhancement of Rotating Magnetocaloric Effect in Anisotropic Two-Dimensional (2D) Cyanido-Bridged Mn^{II}â€“Nb^{IV} Molecular Ferrimagnet. Inorganic Chemistry, 2017, 56, 2777-2783.	1.9	19
53	Fine Tuning of Multicolored Photoluminescence in Crystalline Magnetic Materials Constructed of Trimetallic Eu_xTb_{1â€“x}[Co(CN)₆] Cyanido-Bridged Chains. Inorganic Chemistry, 2017, 56, 5239-5252.	1.9	47
54	Modulation of the FeII spin crossover effect in the pentadecanuclear {Fe9[M(CN)8]6} (M = Re, W) clusters by facial coordination of tridentate polyamine ligands. Dalton Transactions, 2017, 46, 8027-8036.	1.6	31

#	Article	IF	Citations
55	Double Magnetic Relaxation and Magnetocaloric Effect in the {Mn₉[W(CN)₈]₆(4,4â€²-dpds)₄} Cluster-Based Network. Inorganic Chemistry, 2017, 56, 7089-7098.	1.9	15
56	A Family of Octahedral Magnetic Molecules Based on [Nb^{IV}(CN)₈]^{4â€“}. Inorganic Chemistry, 2017, 56, 4021-4027.	1.9	22
57	Dehydration of Octacyanido-Bridged Ni^{II}-W^{IV} Framework toward Negative Thermal Expansion and Magneto-Colorimetric Switching. Inorganic Chemistry, 2017, 56, 179-185.	1.9	26
58	Reversible Single-Crystal-to-Single-Crystal Transformation in Photomagnetic Cyanido-Bridged Cd₄M₂ Octahedral Molecules. Inorganic Chemistry, 2017, 56, 12914-12919.	1.9	28
59	Octahedral Yb(<scp>iii</scp>) complexes embedded in [Co^{III}(CN)₆]-bridged coordination chains: combining sensitized near-infrared fluorescence with slow magnetic relaxation. Dalton Transactions, 2017, 46, 13668-13672.	1.6	37
60	Magnetic Lotus Root Based on a Cyanido-Bridged Coâ€“W Metal Assembly. Crystal Growth and Design, 2017, 17, 4511-4515.	1.4	5
61	Octacyanidotungstate(IV) Coordination Chains Demonstrate a Lightâ€Induced Excited Spin State Trapping Behavior and Magnetic Exchange Photoswitching. Angewandte Chemie, 2017, 129, 13468-13472.	1.6	16
62	Octacyanidotungstate(IV) Coordination Chains Demonstrate a Lightâ€Induced Excited Spin State Trapping Behavior and Magnetic Exchange Photoswitching. Angewandte Chemie - International Edition, 2017, 56, 13283-13287.	7.2	54
63	Cyanide vs. azide â€œmagnetic arm wrestlingâ€: Mn^{II}â€“Nb^{IV}and Mn^{II}â€“Mo^{IV}magnetic coordination polymers with mixed bridging. Chemical Communications, 2017, 53, 9753-9756.	2.2	12
64	Solvatomagnetic Studies on Cyanoâ€Bridged Bimetallic Chains Based on [Mn(cyclam)]³⁺ and Hexacyanometallates. European Journal of Inorganic Chemistry, 2017, 2017, 99-106.	1.0	14
65	Lanthanide Photoluminescence in Heterometallic Polycyanidometallate-Based Coordination Networks. Molecules, 2017, 22, 1902.	1.7	52
66	Field-Induced Slow Magnetic Relaxation in Mn_9W_6 Cluster-Based Compound. Acta Physica Polonica A, 2017, 131, 884-886.	0.2	0
67	Structural and Magnetic Studies of Novel 1-D Cyanido-bridged [Cu^{II}(Me₂en)][CuII(Me₂en)₂][Mo^{IV}(CN)₈]₂·6H₂O Chain. Current Inorganic Chemistry, 2016, 6, 26-33.		
68	White Light Emissive Dy^{III} Singleâ€Molecule Magnets Sensitized by Diamagnetic [Co^{III}(CN)₆]^{3â^’} Linkers. Chemistry - A European Journal, 2016, 22, 7371-7375.	1.7	83
69	Magnetocaloric effect of high-spin cluster with Ni9W6 core. Journal of Magnetism and Magnetic Materials, 2016, 414, 25-31.	1.0	15
70	Two Cyanide-Bridged Mn^{II}â€“Nb^{IV} Coordination Chain Ferrimagnets Promoted by Interchain Ferromagnetic Interactions. Inorganic Chemistry, 2016, 55, 5281-5286.	1.9	16
71	High thermal durability of a layered Cs4CoII[WV(CN)8]Cl3framework: crystallographic and133Cs NMR spectroscopic studies. CrystEngComm, 2016, 18, 9236-9242.	1.3	3
72	Alternative Synthetic Route to Potassium Octacyanidoniobate(IV) and Its Molybdenum Congener. European Journal of Inorganic Chemistry, 2016, 2016, 4872-4877.	1.0	18

#	Article	IF	Citations
73	Near-Infrared Photoluminescence in Hexacyanido-Bridged Ndâ€“Cr Layered Ferromagnet. Crystal Growth and Design, 2016, 16, 4918-4925.	1.4	28
74	Exploration of a new building block for the construction of cyano-bridged solvatomagnetic assemblies: [Ni(cyclam)]3+. CrystEngComm, 2016, 18, 7011-7020.	1.3	9
75	Structure dependent charge transfer in bipyrimidiniumâ€“octacyanotungstate ion pairs. Polyhedron, 2016, 119, 1-6.	1.0	2
76	The Rule Rather than the Exception: Structural Flexibility of [Ni(cyclam)]²⁺-Based Cyano-Bridged Magnetic Networks. Crystal Growth and Design, 2016, 16, 4736-4743.	1.4	16
77	Ligand dependent topology and spontaneous resolution in high-spin cyano-bridged Ni₃W₂ clusters. Dalton Transactions, 2016, 45, 12423-12431.	1.6	4
78	Alternative Synthetic Route to Potassium Octacyanidoniobate(IV) and Its Molybdenum Congener. European Journal of Inorganic Chemistry, 2016, 2016, 4851-4851.	1.0	2
79	Magnetocaloric effect in Mn2-pyrazole-[Nb(CN)8] molecular magnet by relaxation calorimetry. Journal of Magnetism and Magnetic Materials, 2016, 419, 435-441.	1.0	8
80	Photoswitchable CuII4Mo^{IV} and CuII2Mo^{IV} cyanido-bridged molecules. Dalton Transactions, 2016, 45, 16585-16595.	1.6	20
81	The solvent effect on the structural and magnetic features of bidentate ligand-capped {Co^{II}₉[W^V(CN)₈]₆} single-molecule magnets. CrystEngComm, 2016, 18, 1495-1504.	1.3	15
82	Tuning of Charge Transfer Assisted Phase Transition and Slow Magnetic Relaxation Functionalities in {Fe_{9â€“x}Co_x[W(CN)₈]₆} (x = 0â€“9) Molecular Solid Solution. Journal of the American Chemical Society, 2016, 138, 1635-1646.	6.6	76
83	Structural anisotropy of cyanido-bridged {CoII9WV6} single-molecule magnets induced by bidentate ligands: towards the rational enhancement of an energy barrier. Chemical Communications, 2016, 52, 4772-4775.	2.2	27
84	New topology of CN-bridged clusters: dodecanuclear face-sharing defective cubes based on octacyanometallates(<scp>iv</scp>) and nickel(<scp>ii</scp>) with diimine ligands. Dalton Transactions, 2015, 44, 12780-12787.	1.6	3
85	Linking magnetic M^{II}â€“[M^V(CN)₈] chains into 2D inorganicâ€“organic hybrid materials. CrystEngComm, 2015, 17, 4533-4539.	1.3	1
86	Optical Activity and Dehydration-Driven Switching of Magnetic Properties in Enantiopure Cyanido-Bridged Co^{II}₃W^V₂ Trigonal Bipyramids. Inorganic Chemistry, 2015, 54, 5784-5794.	1.9	27
87	Photo-induced magnetic properties of the [Cu^{II}(bapa)]₂[Mo^{IV}(CN)₈]Â·7H₂O molecular ribbon. Journal of Materials Chemistry C, 2015, 3, 8712-8719.	2.7	31
88	Magnetic clusters based on octacyanidometallates. Inorganic Chemistry Frontiers, 2015, 2, 10-27.	3.0	74
89	Fe^{II} Spinâ€Crossover Phenomenon in the Pentadecanuclear {Fe₉[Re(CN)₈]₆} Spherical Cluster. Angewandte Chemie - International Edition, 2015, 54, 5093-5097.	7.2	58
90	Enforcing Multifunctionality: A Pressure-Induced Spin-Crossover Photomagnet. Journal of the American Chemical Society, 2015, 137, 8795-8802.	6.6	144

#	Article	IF	Citations
91	Hydration-switchable charge transfer in the first bimetallic assembly based on the [Ni(cyclam)]³⁺ â€“ magnetic CN-bridged chain {(H₃O)[Ni^{III}(cyclam)][Fe^{II}(CN)₆]Â·5H₂O}_n. Chemical Communications, 2015, 51, 11485-11488.	2.2	38
92	Implementation of Chirality into High-Spin Ferromagnetic Co^{II}₉W^V₆ and Ni^{II}₉W^V₆ Cyanido-Bridged Clusters. Crystal Growth and Design, 2015, 15, 3573-3581.	1.4	29
93	Larger pores and higher T_c: {[Ni(cyclam)]₃[W(CN)₈]₂Â·solv}_n â€“ a new member of the largest family of pseudo-polymorphic isomers among octacyanometallate-based assemblies. CrystEngComm, 2015, 17, 3526-3532.	1.3	29
94	Visible to Near-Infrared Emission from Ln^{III}(Bis-oxazoline)â€“[Mo^V(CN)₈] (Ln = Ceâ€“Yb) Magnetic Coordination Polymers Showing Unusual Lanthanide-Dependent Sliding of Cyanido-Bridged Layers. Inorganic Chemistry, 2015, 54, 4724-4736.	1.9	44
95	Magnetocaloric effect and critical behavior in Mn2-imidazole-[Nb(CN)8] molecular magnetic sponge. Journal of Magnetism and Magnetic Materials, 2015, 396, 1-8.	1.0	12
96	Multifunctionality in Bimetallic Ln^{III}[W^V(CN)₈]^{3â^’} (Ln=Gd, Nd) Coordination Helices: Optical Activity, Luminescence, and Magnetic Coupling. Chemistry - A European Journal, 2014, 20, 7144-7159.	1.7	50
97	Magnetocaloric effect in molecular magnet. Journal of Magnetism and Magnetic Materials, 2014, 354, 359-362.	1.0	18
98	Cesium Cyano-Bridged Co^{II}â€“M^V (M = Mo and W) Layered Frameworks Exhibiting High Thermal Durability and Metamagnetism. Crystal Growth and Design, 2014, 14, 6093-6100.	1.4	16
99	Role of Pyrazine-N,Nâ€²-dioxide in [W(CN)₈]^{nâ^’}-Based Hybrid Networks: Anionâ^Ï€ Interactions. Crystal Growth and Design, 2014, 14, 4030-4040.	1.4	21
100	Green to Red Luminescence Switchable by Excitation Light in Cyanido-Bridged Tb^{III}â€“W^V Ferromagnet. Chemistry of Materials, 2014, 26, 4072-4075.	3.2	58
101	Chiral (LH)₂L₂Cu₃ Trinuclear Paramagnetic Nodes in Octacyanidometalate-Bridged Helical Chains. Inorganic Chemistry, 2014, 53, 3874-3879.	1.9	6
102	Charge transfer phase transition with reversed thermal hysteresis loop in the mixed-valence Fe9[W(CN)8]6Â·xMeOH cluster. Chemical Communications, 2014, 50, 3484.	2.2	41
103	Natural and magnetic optical activity of 2-D chiral cyanido-bridged MnIIâ€“NbIV molecular ferrimagnets. Chemical Communications, 2013, 49, 6731.	2.2	55
104	Scaling analysis of [Fe(pyrazole)4]2[Nb(CN)8] molecular magnet. Journal of Magnetism and Magnetic Materials, 2013, 344, 105-108.	1.0	9
105	Magnetocaloric effect and critical behaviour in Mn₂â€“pyridazineâ€“[Nb(CN)₈] molecular compound under pressure. Journal of Physics Condensed Matter, 2013, 25, 496012.	0.7	8
106	Thermal switching between blue and red luminescence in magnetic chiral cyanido-bridged EuIIIâ€“WVcoordination helices. RSC Advances, 2013, 3, 1065-1068.	1.7	27
107	Incorporation of guanidinium ions in CuII-[MV(CN)8]3â^’ double-layered magnetic systems. Dalton Transactions, 2013, 42, 5042.	1.6	4
108	Coâ€“NCâ€“W and Feâ€“NCâ€“W Electronâ€Transfer Channels for Thermal Bistability in Trimetallic {Fe₆Co₃[W(CN)₈]₆} Cyanidoâ€Bridged Cluster. Angewandte Chemie - International Edition, 2013, 52, 896-900.	7.2	68

#	Article	IF	Citations
109	Magnetic anisotropy of Co^{II}â€“W^Vferromagnet: single crystal and ab initio study. CrystEngComm, 2013, 15, 2378-2385.	1.3	14
110	A water sensitive ferromagnetic [Ni(cyclam)]₂[Nb(CN)₈] network. Dalton Transactions, 2013, 42, 2616-2621.	1.6	24
111	Supramolecular Chains and Coordination Nanowires Constructed of High-Spin Co^{II}₉W^V₆ Clusters and 4,4â€²-bpdo Linkers. Crystal Growth and Design, 2013, 13, 3036-3045.	1.4	33
112	Construction of CNâ^'-bridged molecular squares employing penta-, hexa- and octa-coordinated metal ions. Polyhedron, 2013, 52, 442-447.	1.0	14
113	Magnetic Systems at Criticality: Different Signatures of Scaling. Acta Physica Polonica A, 2013, 124, 977-989.	0.2	13
114	Studies on magnetic properties of unique molecular magnet {[FeII(pyrazole)4]2[NbIV(CN)8]â^™4H2O}n. EPJ Web of Conferences, 2013, 40, 14002.	0.1	1
115	Critical behavior of the Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>[Nb(CN)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>8</mml:mn></mml:msub></mml:math>] molecular magnet. Physical Review B, 2012, 85, .	1.1	7
116	Evidence for magnetic anisotropy of [NbIV(CN)8]4â^' in a pillared-layered Mn2Nb framework showing spin-flop transition. Chemical Communications, 2012, 48, 8323.	2.2	33
117	X-ray Absorption Spectroscopy Study of Novel Inorganicâ€“organic Hybrid Ferromagnetic Cuâ€“pyzâ€“[M(CN)₈]^{3â€“} Assemblies. Inorganic Chemistry, 2012, 51, 11722-11729.	1.9	5
118	Conjunction of Chirality and Slow Magnetic Relaxation in the Supramolecular Network Constructed of Crossed Cyano-Bridged Co^{II}â€“W^V Molecular Chains. Journal of the American Chemical Society, 2012, 134, 16151-16154.	6.6	73
119	The impact of ligands upon topology and functionality of octacyanidometallate-based assemblies. Coordination Chemistry Reviews, 2012, 256, 1946-1971.	9.5	164
120	Cyclams with varied degree of protonation in the assemblies with cyano complexes of Mo and W. Polyhedron, 2012, 47, 73-78.	1.0	11
121	Magnetocaloric effect in Mâ€“pyrazoleâ€“[Nb(CN)₈] (M = Ni, Mn) molecular compounds. Journal of Physics Condensed Matter, 2012, 24, 506002.	0.7	12
122	High-pressure single-crystal XRD and magnetic study of a octacyanoniobate-based magnetic sponge. CrystEngComm, 2012, 14, 5224.	1.3	23
123	Magnetocaloric Effect in a Mn2-Pyridazine-[Nb(CN)8] Molecular Magnetic Sponge. European Journal of Inorganic Chemistry, 2012, 2012, 3830-3834.	1.0	23
124	Geometrical isomerism in pentadecanuclear high-spin Ni9W6 clusters with symmetrical bidentate ligands detected. CrystEngComm, 2012, 14, 6559.	1.3	16
125	The role of carboxylate ligands in two novel cyanido-bridged 2D coordination networks CuIIâ€“WV and MnIIâ€“NbIV. Dalton Transactions, 2011, 40, 12350.	1.6	11
126	W-Knotted Chain {[CuII(dien)]4[WV(CN)8]}5+â^ž: Synthesis, Crystal Structure, Magnetism, and Theory. Inorganic Chemistry, 2011, 50, 3213-3222.	1.9	19

#	Article	IF	Citations
127	Microporous {[Ni(cyclam)]3[W(CN)8]2}n affording reversible structural and magnetic conversions. Dalton Transactions, 2011, 40, 3067.	1.6	38
128	Multifunctional Magnetic Molecular {[Mn^{II}(urea)₂(H₂O)]₂[Nb^{IV}(CN)₈]}_n System: Magnetization-Induced SHG in the Chiral Polymorph. Chemistry of Materials, 2011, 23, 21-31.	3.2	88
129	Microwave-Assisted Construction of Ferromagnetic Coordination Polymers of [W^V(CN)₈]³⁻ with Cu^{II}-pyrazole Synthons. Inorganic Chemistry, 2011, 50, 8808-8816.	1.9	17
130	Humidity-Driven Reversible Transformation and Guest Inclusion in a Two-Dimensional Coordination Framework Tailored by Organic Polyamine Cation. Crystal Growth and Design, 2011, 11, 3866-3876.	1.4	25
131	Octacyanoniobate(IV)-based molecular magnets revealing 3D long-range order. Journal of Physics: Conference Series, 2011, 303, 012037.	0.3	1
132	Studies of critical phenomena in molecular magnets byÎ¼SR spectroscopy. Journal of Physics: Conference Series, 2011, 303, 012034.	0.3	6
133	A Decade of Octacyanides in Polynuclear Molecular Materials. European Journal of Inorganic Chemistry, 2011, 2011, 305-326.	1.0	99
134	Double Switching of a Magnetic Coordination Framework through Intraskeletal Molecular Rearrangement. Angewandte Chemie - International Edition, 2011, 50, 3973-3977.	7.2	79
135	Magneto-Structural Correlations in Discrete MnII-WV Cyano-Bridged Assemblies with Polyimine Ligands. European Journal of Inorganic Chemistry, 2010, 2010, 4166-4174.	1.0	16
136	Critical behavior of two molecular magnets probed by complementary experiments. Physical Review B, 2010, 82, .	1.1	12
137	Magnetic Properties versus Network Dimensionality of Cerium(III) Octacyanotungstate(V) Compounds. Inorganic Chemistry, 2010, 49, 4268-4277.	1.9	28
138	Series of M^I[Co(bpy)₃][Mo(CN)₈]Â·nH₂O (M^I= Li (1), K (2), Rb (3), Cs (4);n= 7â^'8) Exhibiting Reversible Diamagnetic to Paramagnetic Transition Coupled with Dehydrationâ^'Rehydration Process. Inorganic Chemistry, 2010, 49, 2765-2772.	1.9	21
139	{MnII9WV6}nNanowires Organized into Three-Dimensional Hybrid Network of I1O2Topology. Crystal Growth and Design, 2010, 10, 4693-4696.	1.4	30
140	Nature of Magnetic Interactions in 3D {[M^{II}(pyrazole)₄]₂[Nb^{IV}(CN)₈]Â·4H₂O}_n (M = Mn, Fe, Co, Ni) Molecular Magnets. Inorganic Chemistry, 2010, 49, 7565-7576.	1.9	58
141	Photomagnetism in Clusters and Extended Molecule-Based Magnets. Inorganic Chemistry, 2009, 48, 3453-3466.	1.9	210
142	Towards high Tc octacyanometalate-based networks. CrystEngComm, 2009, 11, 2032.	1.3	68
143	Magnetostructural Correlations in Cu^{II}â^'NCâ^'W^V Linkage: The Case of [Cu^{II}(diimine)]²⁺â^'[W^V(CN)₈]^{3â^'} 0D Assemblies. Inorganic Chemistry, 2009, 48, 2865-2872.	1.9	42
144	Iron(II)-octacyanoniobate(IV) ferromagnet with TC 43 K. Dalton Transactions, 2009, , 7771.	1.6	39

#	Article	IF	Citations
145	First example of photomagnetic effects in ionic pairs [Ni(bipy)3]2[Mo(CN)8]Â·12H2O. Inorganica Chimica Acta, 2008, 361, 3500-3504.	1.2	23
146	Influence of octacyanoniobate(IV)-bridging geometry on Tc in Mn2Nb ferrimagnets of identical 3D topology. Inorganica Chimica Acta, 2008, 361, 3957-3962.	1.2	26
147	Magnetic Spongelike Behavior of 3D Ferrimagnetic {[Mn^{II}(imH)]₂[Nb^{IV}(CN)₈]}_n with T_c = 62 K. Inorganic Chemistry, 2008, 47, 9745-9747.	1.9	77
148	Testing the High Spin MnII9WV6 Cluster as Building Block for Three-Dimensional Coordination Networks. Crystal Growth and Design, 2008, 8, 3817-3821.	1.4	36
149	Magnetic ordering in the double-layered molecular magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Cu</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mtext>tetren</mml:mtext></mml:mrow></mml:mrow></mml:mrow></mml:math> Physical Review B, 2008, 78, .	1.1	28
150	A ÂµSR study of magnetic ordering and metamagnetism in a bilayered molecular magnet. Journal of Physics Condensed Matter, 2007, 19, 456208.	0.7	13
151	Exploring the formation of 3D ferromagnetic cyano-bridged CuII2+x{CuII4[WV(CN)8]4â€“2x[WIV(CN)8]2x}Â·yH2O networks. Journal of Materials Chemistry, 2007, 17, 3308.	6.7	34
152	High T_c Ferrimagnetic Organicâ^'Inorganic Hybrid Materials with Mn^{II}â^'Lâ^'Mn^{II} and Mn^{II}â^'NCâ^'Nb^{IV} Linkages (L = Pyrazine,) Tj 6TQq0 0 0 rgBT /Ov	7.0	
153	Tuning of Magnetic Properties of Polynuclear Lanthanide(III)â^'Octacyanotungstate(V) Systems:â€‰ Determination of Ligand-Field Parameters and Exchange Interaction. Inorganic Chemistry, 2007, 46, 8924-8938.	1.9	81
154	Reversible Guest-Induced Magnetic and Structural Single-Crystal-to-Single-Crystal Transformation in Microporous Coordination Network {[Ni(cyclam)]3[W(CN)8]2}n. Inorganic Chemistry, 2007, 46, 8123-8125.	1.9	81
155	Photo-Induced Relaxation of Magnetization in Molecular Magnet. Acta Physica Polonica A, 2007, 112, S-183-S-188.	0.2	1
156	[Ln(terpy)]3+(Ln = Sm, Gd) entity forms isolated magnetic chains with [W(CN)8]3â^'. Dalton Transactions, 2006, , 625-628.	1.6	59
157	Cobalt(ii) octacyanotungstate(v) organicâ€“inorganic hybrid ferromagnetic materials with pyrazine and 4,4â€²-bipyridine. Dalton Transactions, 2006, , 2801-2809.	1.6	30
158	Generalized theoretical approach to quasi-one-dimensional molecular magnets. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 216-219.	0.8	8
159	Supramolecular coordination networks based on octacyanometalates: From structure to function. Coordination Chemistry Reviews, 2006, 250, 2234-2260.	9.5	201
160	Antiferromagnetic coupling through cyano-bridge and H-bonds in [MnIII(3-OMesalophen)(H2O)2]2[MnIII(3-OMesalophen)(H2O)] [WV(CN)8]Â·2H2O. Inorganic Chemistry Communication, 2005, 8, 350-354.	1.8	31
161	Engineering of octacyanometalate-based coordination networks towards functionality. Coordination Chemistry Reviews, 2005, 249, 2203-2221.	9.5	155
162	AC susceptibility study of the bilayered cyano-bridged CuW and CuMo ferromagnets. Solid State Sciences, 2005, 7, 1113-1124.	1.5	18

#	Article	IF	Citations
163	Photomagnetism in Cyano-Bridged Hexanuclear Clusters [MnII(bpy)2]4[MIV(CN)8]2Â·xH2O (M = Mo, x =) Tj ETQq1 1 0.784314 rgBT /C	3.2	90
164	An unprecedented copper(i,ii)â€“octacyanotungstate(v) 2-D network: crystal structure and magnetism of [CuII(tren)]{CuI[WV(CN)8]}Â·1.5H2O. Chemical Communications, 2005, , 2939.	2.2	38
165	High Pressure Effect on Ferromagnetic Ordering in Layered Copper Octacyanotungstate. European Physical Journal D, 2004, 54, 527-530.	0.4	5
166	Thermal Properties of the Double-layered Coordination Polymer {(tetrenH5)0.8CuII 4[WV(CN)8]47.2H2O}n at the Transition Point. European Physical Journal D, 2004, 54, 595-598.	0.4	10
167	Ferromagnetic ordering in new layered copper octacyanometallates. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1058-1059.	1.0	16
168	Grid-Type Two-Dimensional Magnetic Multinuclear Metal Complex:Â Strands of {[CuII(l¼-4,4â€˜-bpy)]2+}nCross-Linked by Octacyanotungstate(V) Ions. Inorganic Chemistry, 2004, 43, 4811-4813.	1.9	59
169	Crystal Structures and Magnetic Properties of Two Low-Dimensional Materials Constructed from [MnIII(salen)H2O]+and [M(CN)8]3-/4-(M = Mo or W) Precursors. Inorganic Chemistry, 2004, 43, 2967-2974.	1.9	110
170	Supramolecular Networks Based on Octacyanometallates of Mo and W. ChemInform, 2003, 34, no.	0.1	0
171	A new family of magnetic 2D coordination polymers based on [M V (CN) 8] 3â^' (M=Mo, W) and pre-programmed Cu 2+ centres. Polyhedron, 2003, 22, 2183-2190.	1.0	46
172	Structural and spectroscopic characterisation of bis-ligand complexes of iron(ii), nickel(ii) and nickel(iii) with the hydrotris(methimazolyl)borate anion: soft S6 donor sets generating a weak ligand field. Dalton Transactions, 2003, , 1181-1185.	1.6	35
173	Self-assembly of heptanuclear {[Co(tren)]2[W(CN)8]2}2â€“ or {[Co(tren)]2[W(CN)8]2}2â€“ squares with alternating aliphatic tetramine Co(iii) and octacyanotungstate(iv) cornersElectronic supplementary information (ESI) available: the distances (Ã…) and angles (Â°) of possible hydrogen bonds for K2{[CoIII(tren)]2[WIV(CN)8]2}Â·9H2O (2); rate constants and activation parameters for the reaction of cis-l±-[Cr(trien)Cl(OH2)]2+ with [W(CN)8]4â€“ in aqueous solution. See http://www.rsc.org/suppdata/dt/b2/b210669h/. Dalton Transactions, 2003, , 1033-1040.	1.6	25
174	Coordination polymers based on octacyanometalates(iv,v) (M = Mo, W) and aliphatic polyamine copper(ii) tectons with [N3] donor atom sets. Dalton Transactions, 2003, , 3458-3468.	1.6	53
175	Pentanuclear Octacyanotungstate(V)-Based Molecule with a High Spin Ground StateS=13/2. Inorganic Chemistry, 2002, 41, 1323-1327.	1.9	90
176	2-D soft ferromagnet based on [WV(CN)8]3â€“ and CuII with a Tc of 34 KElectronic supplementary information (ESI) available: structure of [Cu(tetren)]2+ in 1 and (NC)7Wâ€“CNâ€“Cu(NC)4 structural motif of 2; table and figures of IR spectra of 1, 2, tetrenÂ·5HCl and free tetren. See http://www.rsc.org/suppdata/cc/b2/b202810g/. Chemical Communications, 2002, , 1138-1139.	2.2	102
177	Basket weave-like 2-D coordination polymer generated by the self-assembly of [Mn(H2O)6]2+and geometrically anisotropic [W(CN)6bpy]2â^'precursors. CrystEngComm, 2002, 4, 199-201.	1.3	21
178	Supramolecular networks based on octacyanometallates of Mo and W. Comptes Rendus Chimie, 2002, 5, 639-649.	0.2	30
179	Electron Transfer in the [Pt(NH3)4]2+ [W(CN)8]3- Donorâ^'Acceptor System. The Environment Effect:â€‰ A Time-Dependent Density Functional Study. Journal of the American Chemical Society, 2001, 123, 10742-10743.	6.6	39
180	Metalâ€“metal interactions in bent cyano-bridged trinuclear octacyanomolybdate(IV)â€“platinum(IV) complexes. Polyhedron, 2001, 20, 685-694.	1.0	19

#	Article	IF	Citations
181	Structural characterisation of [Pt(NH3)4]2[W(CN)8][NO3]Â·2H2O donorâ€“acceptor complex. Journal of Molecular Structure, 2000, 520, 155-163.	1.8	11
182	Kinetic evidence of ring closure step in the substitution of cis-[Cr(bpy)2(OH2)2]3+ with [M(CN)8]4â^' (M=Mo, W). Polyhedron, 2000, 19, 2225-2229.	1.0	5
183	Ternary adduct {[W(CN)8]3â^',[Pt(en)2]2+,[W(CN)8]3â^'} in aqueous solution and crystal structure of [Pt(en)2]3[W(CN)8]2Â·4H2O with infinite linear Wâ€Šâ€ŠÂ·â€…Â·â€…Â·â€ŠÂ·â€ŠPt chains. Dalton Transactions RSC, 2000, , 1799-1803	2.3	11
184	X-ray Evidence of CN Bridging in Bimetallic Complexes Based on [M(CN)8]4-(M = Mo, W). The Crystal Structure of {[Mn(bpy)2]2(Î¼-NC)2[Mo(CN)6]2(Î¼-CN)2[Mn(bpy)2]2}Â·8H2O. Inorganic Chemistry, 2000, 39, 5156-5158.	1.9	84
185	REACTIVITY AND PHOTOREACTIVITY OF CYANOCOMPLEXES OF THE TRANSITION METALS. Progress in Reaction Kinetics and Mechanism, 1999, 24, 165-221.	1.1	17
186	Influence of the chloride counterion on the redox reactivity of tetraammineplatinum(II) cation with octacyanotungstate(V) anion. Polyhedron, 1999, 18, 3527-3531.	1.0	5
187	New donorâ€“acceptor system based on [Pt(NH3)4]2+ and [W(CN)8]3â^' ions. Journal of the Chemical Society Dalton Transactions, 1997, , 869-872.	1.1	13
188	Kinetics and mechanisms of the oxidation of the octacyanoniobate(III)ion by oxyanions in alkaline aqueous media. Transition Metal Chemistry, 1996, 21, 200-205.	0.7	6
189	Kinetics and mechanism of the oxidation of hydrogen peroxide by the octacyanotungstate(V) ion in alkaline aqueous media. Transition Metal Chemistry, 1996, 21, 226-230.	0.7	3
190	Photoreactivity of the (2,2â€²-bipyridyl)hexacyanotungstate(IV) ion in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 70, 35-38.	2.0	7
191	Photoreactivity of Mo(CN)83â^' ion: photoredox and photosubstitution processes. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 74, 115-120.	2.0	10
192	XPS evidence for the photoproduction of tungsten(VI) cyano complexes in charge-transfer photochemistry of W(CN)83â^' ion in non-aqueous solvents. Inorganica Chimica Acta, 1991, 187, 5-8.	1.2	17
193	Photoreactivity of octacyanotungstate(V) ion in non-aqueous solvents. Inorganica Chimica Acta, 1991, 186, 179-186.	1.2	13
194	Tungsten(VI) complexes as new products in the high-intensity photolysis of octacyanotungstate(V) ion in hydroxylic solvents; crystal structure of [PPh4]2[W(CN)6O]Â·H2O and [PPh4]2[W(CN)5O(OMe)]. Journal of the Chemical Society Dalton Transactions, 1990, , 2331-2336.	1.1	8
195	New photo-products in the high-intensity solution photolysis of octacyanotungstate(V) ion: definition of a high-energy photochemical channel. Inorganica Chimica Acta, 1989, 163, 127-128.	1.2	8
196	Stepwise ligand dissociation and multiple changes in oxidation state in the fast atom bombardment (FAB) of cyanometallate complexes. Inorganica Chimica Acta, 1988, 141, 163-164.	1.2	6
197	Stepwise ligand dissociation and multiple changes in oxidation state in the fast atom bombardment mass spectra of cyanometalate complexes of transition metals. Journal of the Chemical Society Dalton Transactions, 1988, , 2905.	1.1	8
198	Laser flash photolysis study of the charge-transfer photochemistry of octacyanomolybdate(V) and octacyanotungstate(V) ions. Journal of the Chemical Society Dalton Transactions, 1986, , 1217.	1.1	19

#	Article	IF	Citations
199	A photochemical route to tungsten(IV) dioxygen-cyanocomplexes. Inorganica Chimica Acta, 1984, 86, L51-L54.	1.2	9
200	Quantum yields of [W(CN)8]4? formation in charge-transfer photochemistry of octacyanotungstate (V). Transition Metal Chemistry, 1982, 7, 131-134.	0.7	15
201	pH dependent photolysis of octacyanotungstate(IV) and kinetics of thermal reactions of photoproducts. Journal of Inorganic and Nuclear Chemistry, 1980, 42, 1003-1007.	0.5	19
202	Proton transfer equilibria of aquoheptacyanotungstate(IV). Journal of Inorganic and Nuclear Chemistry, 1978, 40, 315-318.	0.5	9
203	Binary and Ternary Coreâ€“Shell Crystals of Polynuclear Coordination Clusters via Epitaxial Growth. Crystal Growth and Design, 0, , .	1.4	1