Szymon Chorazy

List of Publications by Year
in descending order

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82	2,575	182225	242451
papers	citations	30 h-index	47 g-index

87	87	87	1677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Ratiometric and Colorimetric Optical Thermometers Using Emissive Dimeric and Trimeric {[Au(SCN)₂]^{â^'}}_n Moieties Generated in dâ€“f Heterometallic Assemblies. Angewandte Chemie, 2022, 134, .	1.6	5
3	Ratiometric and Colorimetric Optical Thermometers Using Emissive Dimeric and Trimeric {[Au(SCN)₂]^{â^'}}_n Moieties Generated in dâ€“f Heterometallic Assemblies. Angewandte Chemie - International Edition, 2022, 61, e202201265.	7.2	7
4	Neutral dicyanidoferrate(<scp>ii</scp>) metalloligands for the rational design of dysprosium(<scp>iii</scp>) single-molecule magnets. Chemical Communications, 2022, 58, 6381-6384.	2.2	5
5	Holmium(<scp>iii</scp>) molecular nanomagnets for optical thermometry exploring the luminescence re-absorption effect. Chemical Science, 2021, 12, 730-741.	3.7	46
6	Diverse physical functionalities of rare-earth hexacyanidometallate frameworks and their molecular analogues. Inorganic Chemistry Frontiers, 2021, 8, 452-483.	3.0	38
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	Reversible Humidity-Driven Transformation of a Bimetallic {EuCo} Molecular Material: Structural, Sorption, and Photoluminescence Studies. Molecules, 2021, 26, 1102.	1.7	1
9	Solvent- and Temperature-Driven Photoluminescence Modulation in Porous Hofmann-Type Sr^{II}â€“Re^VMetalâ€“Organic Frameworks. Inorganic Chemistry, 2021, 60, 4093-4107.	1.9	10
10	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
11	Exploring â€œTriazole-Thioureaâ€•Based Ligands for the Self-Assembly of Photoluminescent Hg(II) Coordination Compounds. Crystal Growth and Design, 2021, 21, 3562-3581.	1.4	5
12	Incorporation of expanded organic cations in dysprosium(III) borohydrides for achieving luminescent molecular nanomagnets. Scientific Reports, 2021, 11, 11354.	1.6	3
13	Near-Infrared Emissive Cyanido-Bridged {YbFe2} Molecular Nanomagnets Sensitive to the Nitrile Solvents of Crystallization. Magnetochemistry, 2021, 7, 79.	1.0	7
14	Tunable magnetic anisotropy in luminescent cyanido-bridged {Dy₂Pt₃} molecules incorporating heteroligand Pt^{IV}linkers. Dalton Transactions, 2021, 50, 16242-16253.	1.6	5
15	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
16	Europium(III) Photoluminescence Governed by d8â€“d10 Heterometallophilic Interactions in Trimetallic Cyanido-Bridged Coordination Frameworks. Inorganic Chemistry, 2020, 59, 1393-1404.	1.9	25
17	Octacyanidometallates for multifunctional molecule-based materials. Chemical Society Reviews, 2020, 49, 5945-6001.	18.7	100
18	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

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19	Modular approach towards functional multimetallic coordination clusters. Coordination Chemistry Reviews, 2020, 419, 213394.	9.5	38
20	Mixed Tb/Dy coordination ladders based on tetra(carboxymethyl)thiacalix[4]arene: a new avenue towards luminescent molecular nanomagnets. RSC Advances, 2020, 10, 11755-11765.	1.7	8
21	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
22	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
23	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
24	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
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	A heterotrimetallic synthetic approach in versatile functionalization of nanosized {MxCu13â€“xW7}3+ and {M1Cu8W6} (M = Co, Ni, Mn, Fe) metalâ€“cyanide magnetic clusters. Inorganic Chemistry Frontiers, 2019, 6, 3104-3118.	3.0	8
27	Multi-colour uranyl emission efficiently tuned by hexacyanidometallates within hybrid coordination frameworks. Chemical Communications, 2019, 55, 3057-3060.	2.2	29
28	Optical and Magnetic Functionalities on Molecule-Based Magnetic Materials. Springer Series in Chemical Physics, 2019, , 453-469.	0.2	1
29	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
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	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
34	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
35	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
36	Chiral cyanido-bridged Mnâ€“Nb magnets including halogen-bonds. CrystEngComm, 2018, 20, 7236-7241.	1.3	9

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37	Connecting Visible Photoluminescence and Slow Magnetic Relaxation in Dysprosium(III) Octacyanidorhenate(V) Helices. Inorganic Chemistry, 2018, 57, 14039-14043.	1.9	15
38	Frontispiece: Tuning of High Spin Ground State and Slow Magnetic Relaxation within Trimetallic Cyanideâ€Bridged {Ni^{II}_xCo^{II}_{9â^'x}[W^V(CN)₈]₆} and {Mn^{II}_xCo^{II}_{9â^'x}[W^V(CN)₈]₆} Clusters. Chemistry - A European Journal, 2018, 24, .	1.7	0
39	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
40	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
41	Cyanido-Bridged Clusters with Remote N-Oxide Groups for Branched Multimetallic Systems. Crystal Growth and Design, 2018, 18, 4766-4776.	1.4	6
42	Tuning of High Spin Ground State and Slow Magnetic Relaxation within Trimetallic Cyanideâ€Bridged {Ni II x Co II 9â^' x [W V (CN) 8] 6 } and {Mn II x Co II 9â^' x. Chemistry - A European Journal, 2018, 24, 15533-15542.	1.7	16
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	Magnetic Lotus Root Based on a Cyanido-Bridged Coâ€“W Metal Assembly. Crystal Growth and Design, 2017, 17, 4511-4515.	1.4	5
51	SHG-active Ln^{III}â€“[Mo^I(CN)₅(NO)]^{3â^'}(Ln = Gd, Eu) magnetic coordination chains: a new route towards non-centrosymmetric molecule-based magnets. CrystEngComm, 2017, 19, 18-22.	1.3	15
52	Lanthanide Photoluminescence in Heterometallic Polycyanidometallate-Based Coordination Networks. Molecules, 2017, 22, 1902.	1.7	52
53	Field-Induced Slow Magnetic Relaxation in Mn_9W_6 Cluster-Based Compound. Acta Physica Polonica A, 2017, 131, 884-886.	0.2	0
54	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

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55	High thermal durability of a layered Cs4CoII[WV(CN)8]Cl3framework: crystallographic and133Cs NMR spectroscopic studies. CrystEngComm, 2016, 18, 9236-9242.	1.3	3
56	Yellow to greenish-blue colour-tunable photoluminescence and 4f-centered slow magnetic relaxation in a cyanido-bridged Dy^{III}(4-hydroxypyridine)â€“Co^{III} layered material. Chemical Communications, 2016, 52, 10795-10798.	2.2	58
57	Near-Infrared Photoluminescence in Hexacyanido-Bridged Ndâ€“Cr Layered Ferromagnet. Crystal Growth and Design, 2016, 16, 4918-4925.	1.4	28
58	4-Bromopyridine-Induced Chirality in Magnetic M^{II}-[Nb^{IV}(CN)₈]^{4â€“} (M = Zn, Mn, Ni) Coordination Networks. Crystal Growth and Design, 2016, 16, 4119-4128.	1.4	17
59	Synthesis of the Singleâ€Crystalline Form and Firstâ€Principles Calculations of Photomagnetic Copper(II) Octacyanidomolybdate(IV). European Journal of Inorganic Chemistry, 2016, 2016, 1980-1988.	1.0	17
60	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
61	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
62	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
63	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
64	Magnetic clusters based on octacyanidometallates. Inorganic Chemistry Frontiers, 2015, 2, 10-27.	3.0	74
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	Natural and magnetic optical activity of 2-D chiral cyanido-bridged MnIIâ€“NbIV molecular ferrimagnets. Chemical Communications, 2013, 49, 6731.	2.2	55
74	Thermal switching between blue and red luminescence in magnetic chiral cyanido-bridged EuIIIâ€“WVcoordination helices. RSC Advances, 2013, 3, 1065-1068.	1.7	27
75	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
76	Magnetic anisotropy of Co^{II}â€“W^Vferromagnet: single crystal and ab initio study. CrystEngComm, 2013, 15, 2378-2385.	1.3	14
77	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
78	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
79	The impact of ligands upon topology and functionality of octacyanidometallate-based assemblies. Coordination Chemistry Reviews, 2012, 256, 1946-1971.	9.5	164
80	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
81	An Invitation to Molecular Magnetism. Science Progress, 2011, 94, 139-183.	1.0	14
82	{MnII9WV6}nNanowires Organized into Three-Dimensional Hybrid Network of I1O2Topology. Crystal Growth and Design, 2010, 10, 4693-4696.	1.4	30