Dawid Pinkowicz

List of Publications by Year
in descending order

105 papers	2,756 citations	230014 27 h-index	232693 48 g-index
142 all docs	142 docs citations	142 times ranked	2184 citing authors

#	Article	IF	Citations
1	An intermetallic molecular nanomagnet with the lanthanide coordinated only by transition metals. Nature Communications, 2022, 13, 2014.	5.8	17
2	A New Look at Molecular and Electronic Structure of Homoleptic Diiron(II,II) Complexes with N,Nâ€Bidentate Ligands: Combined Experimental and Theoretical Study. Chemistry - A European Journal, 2022, 28, .	1.7	4
3	Magnetic interactions controlled by light in the family of Fe(<scp>ii</scp>)â€“M(<scp>iv</scp>) (M =) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	6
4	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
5	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
6	Large breathing effect induced by water sorption in a remarkably stable nonporous cyanide-bridged coordination polymer. Chemical Science, 2021, 12, 9176-9188.	3.7	20
7	Pseudo-tetrahedral vs. pseudo-octahedral Er^{III} single molecule magnets and the disruptive role of coordinated TEMPO radical. Inorganic Chemistry Frontiers, 2021, 8, 2817-2828.	3.0	10
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	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
10	1,2,5-Thiadiazole 1,1-dioxides and Their Radical Anions: Structure, Properties, Reactivity, and Potential Use in the Construction of Functional Molecular Materials. Molecules, 2021, 26, 4873.	1.7	4
11	Low-Coordinate Dinuclear Dysprosium(III) Single Molecule Magnets Utilizing LiCl as Bridging Moieties and Tris(amido)amine as Blocking Ligands. Magnetochemistry, 2021, 7, 125.	1.0	2
12	Chiral porous CN-bridged coordination polymer mimicking MOF-74 and showing magnetization photoswitching. Chemical Communications, 2021, 57, 9926-9929.	2.2	5
13	The Underexplored Field of Lanthanide Complexes with Helicene Ligands: Towards Chiral Lanthanide Single Molecule Magnets. Magnetochemistry, 2021, 7, 138.	1.0	5
14	Comprehensive thermodynamic study of three Co(II)- and Fe(II)-based octacyanoniobates. Physical Review B, 2021, 104, .	1.1	0
15	Photoinduced Moâ^'CN Bond Breakage in Octacyanomolybdate Leading to Spin Triplet Trapping. Angewandte Chemie, 2020, 132, 3141-3145.	1.6	5
16	Photoinduced Moâ^'CN Bond Breakage in Octacyanomolybdate Leading to Spin Triplet Trapping. Angewandte Chemie - International Edition, 2020, 59, 3117-3121.	7.2	30
17	Octacyanidometallates for multifunctional molecule-based materials. Chemical Society Reviews, 2020, 49, 5945-6001.	18.7	100
18	Magnetic, Structural and Spectroscopic Properties of Iron(II)-Octacyanoniobate(IV) Crystalline Film Obtained by Ion-Exchange Synthesis. Materials, 2020, 13, 3029.	1.3	3

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19	Identical anomalous Raman relaxation exponent in a family of single ion magnets: towards reliable Raman relaxation determination?. Dalton Transactions, 2020, 49, 11942-11949.	1.6	16
20	Influence of the Increasing Number of Organic Radicals on the Structural, Magnetic, and Electrochemical Properties of the Copper(II)â€“Dioxothiadiazole Family of Complexes. Inorganic Chemistry, 2020, 59, 13489-13501.	1.9	5
21	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
22	Heterotrimetallic Cyanide-Bridged 3d-4d-5d Frameworks Based on a Photomagnetic Secondary Building Unit. Inorganic Chemistry, 2020, 59, 8925-8934.	1.9	8
23	A concerted evolution of supramolecular interactions in a {cation; metal complex; Ï€-acid; solvent} anion-Ï€ system. Inorganic Chemistry Frontiers, 2020, 7, 1851-1863.	3.0	6
24	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
25	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
26	Magnetization Dynamics and Coherent Spin Manipulation of a Propeller Gd(III) Complex with the Smallest Helicene Ligand. Journal of Physical Chemistry Letters, 2020, 11, 1508-1515.	2.1	24
27	Chiral Photomagnets Based on Copper(II) complexes of 1,2-Diaminocyclohexane and Octacyanidomolybdate(IV) Ions. Inorganic Chemistry, 2020, 59, 5872-5882.	1.9	13
28	Powder Sample Susceptibility for Single Ion Magnets with S=1,3/2 with Rhombic Anisotropy. Acta Physica Polonica A, 2020, 137, 948-951.	0.2	0
29	Correlating magnetic anisotropy with [Mo(CN)₇]^{4â^'} geometry of Mn^{II}â€“Mo^{III} magnetic frameworks. Dalton Transactions, 2019, 48, 15493-15500.	1.6	6
30	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
31	Bis(triphenylphosphine)iminium Salts of Dioxothiadiazole Radical Anions: Preparation, Crystal Structures, and Magnetic Properties. Crystals, 2019, 9, 30.	1.0	4
32	Investigation of correlation between phase transformations and changes in structural, dynamic, magnetic and dielectric properties of hexakis-DMSO cobalt (II) complex. Journal of Molecular Structure, 2019, 1194, 227-235.	1.8	2
33	Correlating Structure and Magnetic Behavior at High Pressure. , 2019, , 546-546.		0
34	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
35	Anion-Ï€ Architectures of HAT(CN)₆ and 5d Polycyanidometalates: [W(CN)₈]^{3â€“}, [Re(CN)₇]^{3â€“}, and [Pt(CN)₆]^{2â€“}. Crystal Growth and Design, 2019, 19, 1215-1225.	1.4	11
36	A Pseudoâ€Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zeroâ€Field Singleâ€Molecule Magnet with Easy Axis Anisotropy. Chemistry - A European Journal, 2018, 24, 8857-8868.	1.7	60

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37	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
38	Dinuclear molecular magnets with unblocked magnetic connectivity: magnetocaloric effect. RSC Advances, 2018, 8, 14640-14645.	1.7	5
39	Molecular Deformation, Charge Flow, and Spongelike Behavior in Anionâ€“Ï€ {[M(CN)₄]^{2â^'};[HAT(CN)₆]}_{âˆž} (M=Ni, Pd, Pt) Supramolecular Stacks. Chemistry - A European Journal, 2018, 24, 16195-16195.	1.7	0
40	Iron(II) Spin Crossover (SCO) Materials Based on Dipyridyl-N-Alkylamine. Crystals, 2018, 8, 401.	1.0	4
41	How to Make a Better Magnet? Insertion of Additional Bridging Ligands into a Magnetic Coordination Polymer. Magnetochemistry, 2018, 4, 41.	1.0	1
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	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
44	Cross-linking of cyanide magnetic coordination polymers by rational insertion of formate, cyanide or azide. Dalton Transactions, 2018, 47, 11888-11894.	1.6	7
45	Molecular realizations of 3D Heisenberg magnet: Critical scaling. Journal of Alloys and Compounds, 2018, 765, 520-526.	2.8	4
46	Cyanido-Bridged Clusters with Remote N-Oxide Groups for Branched Multimetallic Systems. Crystal Growth and Design, 2018, 18, 4766-4776.	1.4	6
47	Magnetic percolation in CN-bridged ferrimagnetic coordination polymers. Dalton Transactions, 2018, 47, 11438-11444.	1.6	6
48	Molecular Deformation, Charge Flow, and Spongelike Behavior in Anionâ€“Ï€ {[M(CN)₄]^{2â^'};[HAT(CN)₆]}_{âˆž} (M=Ni, Pd, Pt) Supramolecular Stacks. Chemistry - A European Journal, 2018, 24, 16302-16314.	1.7	10
49	Syntheses, crystal structures and magnetic properties of a series of ZnII2LnIII2 compounds (Ln = Gd, Tb,) Tj ETQq1 1 0.784314 rgBT /Ov 15917-15929.	1.4	6
50	Systematic Study of Openâ€Shell Trigonal Pyramidal Transitionâ€Metal Complexes with a Rigidâ€Ligand Scaffold. Chemistry - A European Journal, 2017, 23, 3548-3552.	1.7	22
51	Evidence of crystal packing effects in stabilizing high or low spin states of iron(<scp>ii</scp>) complexes with functionalized 2,6-bis(pyrazol-1-yl)pyridine ligands. Dalton Transactions, 2017, 46, 4075-4085.	1.6	28
52	Anionâ€“Ï€ recognition between [M(CN)₆]^{3â^'} complexes and HAT(CN)₆: structural matching and electronic charge density modification. Dalton Transactions, 2017, 46, 3482-3491.	1.6	20
53	A Family of Octahedral Magnetic Molecules Based on [Nb^{IV}(CN)₈]^{4â€“}. Inorganic Chemistry, 2017, 56, 4021-4027.	1.9	22
54	Reversible Single-Crystal-to-Single-Crystal Transformation in Photomagnetic Cyanido-Bridged Cd₄M₂ Octahedral Molecules. Inorganic Chemistry, 2017, 56, 12914-12919.	1.9	28

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55	Elementary excitations in single-chain magnets. Physical Review B, 2017, 96, .	1.1	11
56	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
57	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
58	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
59	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
60	The Heptacyanotungstate(IV) Anion: A New 5â€‰d Transitionâ€Metal Member of the Rare Heptacyanometallate Family of Anions. Angewandte Chemie, 2016, 128, 11540-11543.	1.6	4
61	Alternative Synthetic Route to Potassium Octacyanidoniobate(IV) and Its Molybdenum Congener. European Journal of Inorganic Chemistry, 2016, 2016, 4872-4877.	1.0	18
62	Frontispiece: The Heptacyanotungstate(IV) Anion: A New 5â€‰d Transitionâ€Metal Member of the Rare Heptacyanometallate Family of Anions. Angewandte Chemie - International Edition, 2016, 55, .	7.2	0
63	The Heptacyanotungstate(IV) Anion: A New 5â€‰d Transitionâ€Metal Member of the Rare Heptacyanometallate Family of Anions. Angewandte Chemie - International Edition, 2016, 55, 11368-11371.	7.2	17
64	Alternative Synthetic Route to Potassium Octacyanidoniobate(IV) and Its Molybdenum Congener. European Journal of Inorganic Chemistry, 2016, 2016, 4851-4851.	1.0	2
65	Frontispiz: The Heptacyanotungstate(IV) Anion: A New 5â€‰d Transitionâ€Metal Member of the Rare Heptacyanometallate Family of Anions. Angewandte Chemie, 2016, 128, .	1.6	0
66	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
67	Photoswitchable CuII4Mo^{IV} and CuII2Mo^{IV} cyanido-bridged molecules. Dalton Transactions, 2016, 45, 16585-16595.	1.6	20
68	A Trigonalâ€Pyramidal Erbium(III) Singleâ€Molecule Magnet. Angewandte Chemie - International Edition, 2015, 54, 5864-5868.	7.2	140
69	Multifunctionality in Molecular Magnetism. Science Progress, 2015, 98, 346-378.	1.0	15
70	Magnetic clusters based on octacyanidometallates. Inorganic Chemistry Frontiers, 2015, 2, 10-27.	3.0	74
71	Enforcing Multifunctionality: A Pressure-Induced Spin-Crossover Photomagnet. Journal of the American Chemical Society, 2015, 137, 8795-8802.	6.6	144
72	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

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73	Cyanide Single-Molecule Magnets Exhibiting Solvent Dependent Reversible â€œOnâ€•and â€œOffâ€•Exchange Bias Behavior. Journal of the American Chemical Society, 2015, 137, 14406-14422.	6.6	121
74	The first example of erbium triple-stranded helicates displaying SMM behaviour. Dalton Transactions, 2015, 44, 16833-16839.	1.6	26
75	Magnetocaloric effect in molecular magnet. Journal of Magnetism and Magnetic Materials, 2014, 354, 359-362.	1.0	18
76	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
77	Control of the Singleâ€Molecule Magnet Behavior of Lanthanideâ€Diarylethene Photochromic Assemblies by Irradiation with Light. Chemistry - A European Journal, 2014, 20, 12502-12513.	1.7	78
78	New Thiadiazole Dioxide Bridging Ligand with a Stable Radical Form for the Construction of Magnetic Coordination Chains. Crystal Growth and Design, 2014, 14, 4878-4881.	1.4	18
79	Record Antiferromagnetic Coupling for a 3d/4d Cyanide-Bridged Compound. Journal of the American Chemical Society, 2014, 136, 9922-9924.	6.6	37
80	Dy(III) Single-Ion Magnet Showing Extreme Sensitivity to (De)hydration. Inorganic Chemistry, 2013, 52, 8342-8348.	1.9	60
81	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
82	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
83	Magnetic Systems at Criticality: Different Signatures of Scaling. Acta Physica Polonica A, 2013, 124, 977-989.	0.2	13
84	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
85	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
86	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
87	The impact of ligands upon topology and functionality of octacyanidometallate-based assemblies. Coordination Chemistry Reviews, 2012, 256, 1946-1971.	9.5	164
88	Magnetocaloric effect in Mâ€“pyrazoleâ€“[Nb(CN)₈] (M = Ni, Mn) molecular compounds. Journal of Physics Condensed Matter, 2012, 24, 506002.	0.7	12
89	High-pressure single-crystal XRD and magnetic study of a octacyanoniobate-based magnetic sponge. CrystEngComm, 2012, 14, 5224.	1.3	23
90	Magnetocaloric Effect in a Mn2-Pyridazine-[Nb(CN)8] Molecular Magnetic Sponge. European Journal of Inorganic Chemistry, 2012, 2012, 3830-3834.	1.0	23

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91	The role of carboxylate ligands in two novel cyanido-bridged 2D coordination networks Cullâ€“WV and MnIIâ€“NbIV. Dalton Transactions, 2011, 40, 12350.	1.6	11
92	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
93	An Invitation to Molecular Magnetism. Science Progress, 2011, 94, 139-183.	1.0	14
94	Octacyanoniobate(IV)-based molecular magnets revealing 3D long-range order. Journal of Physics: Conference Series, 2011, 303, 012037.	0.3	1
95	A Decade of Octacyanides in Polynuclear Molecular Materials. European Journal of Inorganic Chemistry, 2011, 2011, 305-326.	1.0	99
96	RÃ¼cktitelbild: Double Switching of a Magnetic Coordination Framework through Intraskeletal Molecular Rearrangement (Angew. Chem. 17/2011). Angewandte Chemie, 2011, 123, 3902-3902.	1.6	0
97	Double Switching of a Magnetic Coordination Framework through Intraskeletal Molecular Rearrangement. Angewandte Chemie - International Edition, 2011, 50, 3973-3977.	7.2	79
98	Back Cover: Double Switching of a Magnetic Coordination Framework through Intraskeletal Molecular Rearrangement (Angew. Chem. Int. Ed. 17/2011). Angewandte Chemie - International Edition, 2011, 50, 3818-3818.	7.2	2
99	Nature of Magnetic Interactions in 3D {[M^{II}(pyrazole)₄]₂[Nb^{IV}(CN)₈]Â·4H₂O}<sub>n</ (M = Mn, Fe, Co, Ni) Molecular Magnets. Inorganic Chemistry, 2010, 49, 7565-7576.	4.8	58
100	Approximate Approach to Magnetic and Thermodynamic Properties of Mixed Spin (1/2-S) Chains with AB and AB₂Topology. Acta Physica Polonica A, 2010, 118, 959-961.	0.2	2
101	Towards high Tc octacyanometalate-based networks. CrystEngComm, 2009, 11, 2032.	1.3	68
102	Iron(II)-octacyanoniobate(IV) ferromagnet with TC 43 K. Dalton Transactions, 2009, , 7771.	1.6	39
103	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
104	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
105	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 ETQq1 1 0.784314	1.5	170