

Talal Mallah

List of Publications by Year in descending order

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192
papers

12,425
citations

20817

60
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28297

105
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206
all docs

206
docs citations

206
times ranked

7279
citing authors

#	ARTICLE	IF	CITATIONS
1	A room-temperature organometallic magnet based on Prussian blue. <i>Nature</i> , 1995, 378, 701-703.	27.8	1,504
2	High-Tc Molecular-Based Magnets: Ferrimagnetic Mixed-Valence Chromium(III)-Chromium(II) Cyanides with Tc at 240 and 190 Kelvin. <i>Science</i> , 1993, 262, 1554-1557.	12.6	803
3	High-TC molecular-based magnets: a ferromagnetic bimetallic chromium(III)-nickel(II) cyanide with TC = 90 K. <i>Journal of the American Chemical Society</i> , 1992, 114, 9213-9214.	13.7	386
4	Spin-Crossover Coordination Nanoparticles. <i>Inorganic Chemistry</i> , 2008, 47, 6584-6586.	4.0	293
5	Universal Theoretical Approach to Extract Anisotropic Spin Hamiltonians. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 2977-2984.	5.3	270
6	Phosphonate Ligands Stabilize Mixed-Valent {Mn ^{III} 2O ₂ ·xMn ^{II} } Clusters with Large Spin and Coercivity. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5044-5048.	13.8	233
7	Structure and properties of tris[bis(ethylenedithio)tetrathiafulvalenium]tetrachlorocopper(II) hydrate, (BEDT-TTF) ₃ CuCl ₄ ·H ₂ O: first evidence for coexistence of localized and conduction electrons in a metallic charge-transfer salt. <i>Journal of the American Chemical Society</i> , 1992, 114, 10722-10729.	13.7	197
8	Structural and Luminescent Properties of Micro- and Nanosized Particles of Lanthanide Terephthalate Coordination Polymers. <i>Inorganic Chemistry</i> , 2008, 47, 3700-3708.	4.0	177
9	A Chromium ^{III} -Vanadyl Ferrimagnetic Molecule-Based Magnet: Structure, Magnetism, and Orbital Interpretation. <i>Inorganic Chemistry</i> , 1999, 38, 229-234.	4.0	165
10	Structural Analyses and Magnetic Properties of 3D Coordination Polymeric Networks of Nickel(II) Maleate and Manganese(II) Adipate with the Flexible 1,2-Bis(4-pyridyl)ethane Ligand. <i>Inorganic Chemistry</i> , 2003, 42, 2695-2703.	4.0	160
11	Nanoparticles of Prussian blue analogs and related coordination polymers: From information storage to biomedical applications. <i>Coordination Chemistry Reviews</i> , 2017, 346, 32-61.	18.8	158
12	A heptanuclear Cr ^{III} Ni ^{II} 6 complex with a low-lying S= 15/2 ground state. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 61.	2.0	154
13	Synthesis of Single-molecule Magnets Using Metalloacyanates. , 0, , 103-131.		154
14	An Ni ₄ Single-Molecule Magnet: Synthesis, Structure and Low-Temperature Magnetic Behavior. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2219-2222.	2.0	152
15	Cyanide-Bridged Cr ^{III} Ni ^{II} Superparamagnetic Nanoparticles. <i>Advanced Materials</i> , 2003, 15, 826-829.	21.0	149
16	Ising-type magnetic anisotropy and single molecule magnet behaviour in mononuclear trigonal bipyramidal Co(II) complexes. <i>Chemical Science</i> , 2014, 5, 3418.	7.4	146
17	Origin of the Magnetic Anisotropy in Heptacoordinate Ni ^{II} and Co ^{II} Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 950-956.	3.3	145
18	Assessing the Slow Magnetic Relaxation Behavior of Ln ^{III} 4Mn ^{III} 6 Metallocrowns. <i>Inorganic Chemistry</i> , 2007, 46, 1954-1956.	4.0	139

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19	Giant Ising-Type Magnetic Anisotropy in Trigonal Bipyramidal Ni(II) Complexes: Experiment and Theory. <i>Journal of the American Chemical Society</i> , 2013, 135, 3017-3026.	13.7	135
20	Core-Shell Multishell Magnetic Coordination Nanoparticles: Toward Multifunctionality on the Nanoscale. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 183-187.	13.8	133
21	Matrix-dependent cooperativity in spin crossover Fe(pyrazine)Pt(CN) ₄ nanoparticles. <i>Chemical Communications</i> , 2011, 47, 11501.	4.1	133
22	First observation of a ferromagnetic interaction through an end-to-end azido bridging pathway in a 1D copper(II) system. <i>Chemical Communications</i> , 2001, 1012-1013.	4.1	127
23	Solvothermal Synthesis of a Tetradecametallic Fe(III) Cluster. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3781-3784.	13.8	127
24	Molecular-scale dynamics of light-induced spin cross-over in a two-dimensional layer. <i>Nature Communications</i> , 2016, 7, 12212.	12.8	125
25	Magneto-Structural Correlations: Synthesis of a Family of End-On Azido-Bridged Manganese(II) Dinuclear Compounds with S = 5 Spin Ground State. <i>Inorganic Chemistry</i> , 2005, 44, 2391-2399.	4.0	117
26	Assessing the exchange coupling in binuclear lanthanide(III) complexes and the slow relaxation of the magnetization in the antiferromagnetically coupled Dy ₂ derivative. <i>Chemical Science</i> , 2015, 6, 4148-4159.	7.4	114
27	Very Large Ising-Type Magnetic Anisotropy in a Mononuclear Ni(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1876-1879.	13.8	109
28	The First Structurally Alternating Copper(II) Chain with Alternate Single End-on and End-to-End Azido Bridging: A Synthesis, Crystal Structure, and Low-Temperature Magnetic Study. <i>Inorganic Chemistry</i> , 2000, 39, 5147-5150.	4.0	108
29	A chromium(III) nickel(II) cyanide-bridged ferromagnetic layered structure with corrugated sheets. <i>Chemical Communications</i> , 1996, 2481-2482.	4.1	106
30	Structural and Magnetic Properties of Carboxylato-Bridged Manganese(II) Complexes Involving Tetradentate Ligands: A Discrete Complex and 1D Polymers. Dependence on the Nature of the Carboxylato Bridge. <i>Inorganic Chemistry</i> , 2003, 42, 8072-8080.	4.0	105
31	Octametallic and Hexadecametallic Ferric Wheels. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4318-4321.	13.8	104
32	Synthesis and Characterization of Mixed-Valent Manganese Phosphonate Cage Complexes. <i>Chemistry - A European Journal</i> , 2006, 12, 8777-8785.	3.3	104
33	Magnetic Bistability of Individual Single-Molecule Magnets Grafted on Single-Wall Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4949-4952.	13.8	97
34	Charge transfer driven by ultrafast spin transition in a CoFe Prussian blue analogue. <i>Nature Chemistry</i> , 2021, 13, 10-14.	13.6	96
35	Photomagnetic nanorods of the Mo(CN) ₈ Cu ₂ coordination network. <i>Chemical Communications</i> , 2005, 746-748.	4.1	94
36	Crystal structures and magnetic properties of μ -phenolato copper(II) binuclear complexes with hydroxo, azido, and cyanato-O exogenous bridges. <i>Inorganic Chemistry</i> , 1986, 25, 3058-3065.	4.0	87

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37	Building Molecular Minerals: All Ferric Pieces of Molecular Magnetite. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5772-5775.	13.8	87
38	Functional Coordination Nanoparticles. <i>Inorganic Chemistry</i> , 2009, 48, 3360-3370.	4.0	86
39	Photoinduced Superparamagnetism in Trimetallic Coordination Nanoparticles. <i>Journal of the American Chemical Society</i> , 2007, 129, 3778-3779.	13.7	85
40	Crystal structures and magnetic properties of dinuclear copper(II) complexes of 2,6-bis(N-(2-pyridylmethyl)formimidoyl)-4-methylphenolate with azido and cyanato-O exogenous ligands. <i>Inorganic Chemistry</i> , 1987, 26, 1375-1380.	4.0	80
41	Resonant Quantum Tunneling in a New Tetranuclear Iron(III)-Based Single-Molecule Magnet. <i>Advanced Materials</i> , 2004, 16, 1101-1105.	21.0	80
42	Syntheses, Structural Analyses, and Magneto-Structural Correlations of Three Polymeric Fe(II) Complexes with Azide Ligand. <i>Inorganic Chemistry</i> , 2003, 42, 5966-5973.	4.0	79
43	Ferromagnetic Cobalt Metalloclusters. <i>Inorganic Chemistry</i> , 2006, 45, 7038-7040.	4.0	79
44	Superparamagnetic bimetallic cyanide-bridged coordination nanoparticles with TB = 9 K. <i>Chemical Communications</i> , 2006, , 1018.	4.1	78
45	Spontaneous stabilization and isolation of dispersible bimetallic coordination nanoparticles of $Cs_xNi[Cr(CN)_6]_y$. <i>Journal of Materials Chemistry</i> , 2006, 16, 2593-2599.	6.7	76
46	A new approach to grafting a monolayer of oriented Mn ₁₂ nanomagnets on silicon. <i>Chemical Communications</i> , 2005, , 2020.	4.1	75
47	Large Magnetic Anisotropy in Pentacoordinate Ni(II) Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 1169-1177.	3.3	75
48	Tailored magnetic properties in trinuclear copper(II) complexes: synthesis, structure, and magnetic properties of complexes derived from [1,3-propanediylbis(oxamato)]cuprate(II) ([Cu(pba)] ₂). <i>Inorganic Chemistry</i> , 1993, 32, 3733-3742.	4.0	74
49	Crystal structures and physical properties of bis(ethylenedithio)-tetrathiafulvalene charge-transfer salts with FeX ₄ ²⁻ (X = Cl or Br) anions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 859-865.	1.1	73
50	Tuning the Ising-type anisotropy in trigonal bipyramidal Co(II) complexes. <i>Chemical Communications</i> , 2015, 51, 16475-16478.	4.1	73
51	An Fe(III) wheel with a zwitterionic ligand: the structure and magnetic properties of [Fe(OMe) ₂ (proline)] ₁₂ [ClO ₄] ₁₂ . <i>Chemical Communications</i> , 2004, , 314.	4.1	68
52	Structure, Magnetic Properties and Magnetic Phase Diagram of a Layered, Bimetallic, Cyanide-Bridged Cr(III)-Ni(II) Metamagnet. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1287-1293.	2.0	67
53	Low-lying electronic states in μ -phenolato copper(II) binuclear compounds with hydroxo, ethanolato, azido, and cyanato exogenous bridges: crystal structures, magnetic properties, and interpretations. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1117-1126.	1.1	66
54	Characterization of Chemical Bonds in Bimetallic Cyanides Using X-ray Absorption Spectroscopy at L _{2,3} Edges. <i>Journal of the American Chemical Society</i> , 1996, 118, 6422-6427.	13.7	66

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55	Structural and Magnetic Properties of Two Carboxylato-Bridged Manganese(II) Complexes with N-Donor Coligands. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4202-4208.	2.0	66
56	Pentanuclear Cyanide-Bridged Complexes Based on Highly Anisotropic Co ^{II} Seven-Coordinate Building Blocks: Synthesis, Structure, and Magnetic Behavior. <i>Inorganic Chemistry</i> , 2011, 50, 12045-12052.	4.0	66
57	A Novel Undecametallic Iron(III) Cluster with an S=11/2 Spin Ground State. <i>Inorganic Chemistry</i> , 2003, 42, 6601-6603.	4.0	65
58	A three component fully interlocked 3-D network: crystal structure and magnetic properties. <i>Chemical Communications</i> , 2001, , 1346-1347.	4.1	64
59	Metal-radical approach to high spin molecules: a pentanuclear 1/4-cyano Cr ^{III} Ni ^{(radical)2} complex with a low-lying S = 9 ground state. <i>Chemical Communications</i> , 1999, , 1951-1952.	4.1	63
60	Monomeric, Tetrameric, and Polymeric Copper Di-tert-butyl Phosphate Complexes Containing Pyridine Ancillary Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 945-953.	4.0	63
61	Subcomponent Self-Assembly of Rare-Earth Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2013, 52, 5194-5200.	4.0	63
62	Soft X-ray Magnetic Circular Dichroism in Paramagnetic Systems: Element-Specific Magnetization of Two Heptanuclear Cr ^{III} High-Spin Molecules. <i>Journal of the American Chemical Society</i> , 1999, 121, 6414-6420.	13.7	57
63	A Mixed-Valence Mixed-Spin Prussian-Blue-Like Heptanuclear Complex. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2885-2887.	13.8	56
64	Synthesis, Crystal Structures, and Magnetic Properties of Two New 1D Copper(II) Coordination Polymers Containing Fumarate ²⁻ and Chelating N,N'-Donor as Ligands. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3292-3297.	2.0	56
65	Luminescent coordination nanoparticles. <i>New Journal of Chemistry</i> , 2008, 32, 584.	2.8	56
66	Single Molecule Magnet Behavior of a Pentanuclear Mn-Based Metallocrown Complex: Solid State and Solution Magnetic Studies. <i>Inorganic Chemistry</i> , 2011, 50, 11348-11352.	4.0	56
67	Magnetic Nanocomposites Built by Controlled Incorporation of Magnetic Clusters into Mesoporous Silicates. <i>Advanced Materials</i> , 2002, 14, 896.	21.0	54
68	Structural Dependence of the Ising-type Magnetic Anisotropy and of the Relaxation Time in Mononuclear Trigonal Bipyramidal Co(II) Single Molecule Magnets. <i>Inorganic Chemistry</i> , 2017, 56, 1104-1111.	4.0	53
69	Molecular Spintronics in Mixed-Valence Magnetic Dimers: The Double-Exchange Blockade Mechanism. <i>Journal of the American Chemical Society</i> , 2010, 132, 8106-8114.	13.7	51
70	Hexacyanometalates: Molecular Precursors for High-Spin Molecules and High-T _C Molecule-Based Magnets. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 273, 141-151.	0.3	50
71	Assembly of a magnetic polyoxometalate on SWNTs. <i>Nanoscale</i> , 2010, 2, 139-144.	5.6	50
72	Unexpected diversity and novel features within a family of new azide-bridged Mn ^{III} complexes of pyridyl/imineligands. <i>Journal of Materials Chemistry</i> , 2006, 16, 278-285.	6.7	49

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73	Investigation of the Photoinduced Magnetization of Copper Octacyanomolybdates Nanoparticles by X-ray Magnetic Circular Dichroism. <i>Journal of the American Chemical Society</i> , 2012, 134, 222-228.	13.7	49
74	Structural and Electronic Dependence of the Single-Molecule-Magnet Behavior of Dysprosium(III) Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 2598-2605.	4.0	49
75	A novel bimetallic alternating chain: synthesis, crystal structure and magnetic study. <i>Inorganica Chimica Acta</i> , 2001, 315, 249-253.	2.4	48
76	A doubly end-to-end azido bridged 1D ferromagnetic chain. <i>Inorganic Chemistry Communication</i> , 2002, 5, 472-474.	3.9	48
77	Hexacyanidometalate molecular chemistry, part III: di-, tri-, tetra-, hexa- and hepta-nuclear chromium–nickel complexes: Control of spin, structural anisotropy, intra- and inter-molecular exchange couplings. <i>Inorganica Chimica Acta</i> , 2008, 361, 3505-3518.	2.4	46
78	Minor changes in phosphonate ligands lead to new hexa- and dodeca-nuclear Mn clusters. <i>Journal of Materials Chemistry</i> , 2006, 16, 2576.	6.7	45
79	Chemical tuning of the magnetic relaxation in dysprosium(III) mononuclear complexes. <i>Dalton Transactions</i> , 2014, 43, 12146-12149.	3.3	45
80	Understanding Spin Structure in Metallocrown Single-Molecule Magnets using Magnetic Compton Scattering. <i>Journal of the American Chemical Society</i> , 2014, 136, 4889-4892.	13.7	45
81	Magnetic Anisotropy in Pentacoordinate Ni ^{II} and Co ^{II} Complexes: Unraveling Electronic and Geometrical Contributions. <i>Chemistry - A European Journal</i> , 2017, 23, 3648-3657.	3.3	45
82	Synergy in Photomagnetic/Ferromagnetic <i>Sub</i> -50 nm Core-Multishell Nanoparticles. <i>Inorganic Chemistry</i> , 2013, 52, 10264-10274.	4.0	44
83	The disentangling of hysteretic spin transition, polymorphism and metastability in bistable thin films formed by sublimation of bis(scorpionate) Fe ^{II} molecules. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11067-11075.	5.5	44
84	A Prussian Blue Nanomolecule: Crystal Structure and Low-Temperature Magnetism. <i>Inorganic Chemistry</i> , 2001, 40, 3836-3837.	4.0	42
85	Engineering the magnetic coupling and anisotropy at the molecule–magnetic surface interface in molecular spintronic devices. <i>Nature Communications</i> , 2016, 7, 13646.	12.8	41
86	Surfaces, thin films and patterning of spin crossover compounds. <i>Comptes Rendus Chimie</i> , 2018, 21, 1270-1286.	0.5	41
87	Substituted versus Naked Thiourea Ligand Containing Pseudotetrahedral Cobalt(II) Complexes: A Comparative Study on Its Magnetization Relaxation Dynamics Phenomenon. <i>Inorganic Chemistry</i> , 2018, 57, 3371-3386.	4.0	40
88	Electrical read-out of light-induced spin transition in thin film spin crossover/graphene heterostructures. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2712-2720.	5.5	40
89	Tailored coordination nanoparticles: assessing the magnetic single-domain critical size. <i>Chemical Communications</i> , 2011, 47, 1051-1053.	4.1	39
90	Importance of Epitaxial Strain at a Spin-Crossover Molecule–Metal Interface. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4103-4109.	4.6	39

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91	Use of Different Unsaturated Dicarboxylates Toward the Design of New 3D and 2D Networks of Copper(II). <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4675-4680.	2.0	38
92	Mn ^{II} -containing coordination nanoparticles as highly efficient T ₁ contrast agents for magnetic resonance imaging. <i>Chemical Communications</i> , 2014, 50, 6740-6743.	4.1	38
93	Immobilisation of single molecule magnets in mesoporous silica hosts. <i>New Journal of Chemistry</i> , 2003, 27, 1533-1539.	2.8	37
94	Glycoligands Tuning the Magnetic Anisotropy of NiII Complexes. <i>Chemistry - A European Journal</i> , 2007, 13, 2774-2782.	3.3	37
95	Photo-induced magnetic bistability in a controlled assembly of anisotropic coordination nanoparticles. <i>Chemical Communications</i> , 2011, 47, 1985.	4.1	37
96	Magnetization Reversal in CsNi ^{II} Cr ^{III} (CN) ₆ Coordination Nanoparticles: Unravelling Surface Anisotropy and Dipolar Interaction Effects. <i>Advanced Functional Materials</i> , 2014, 24, 5402-5411.	14.9	37
97	Tools for Predicting the Nature and Magnitude of Magnetic Anisotropy in Transition Metal Complexes: Application to Co(II) Complexes. <i>Magnetochemistry</i> , 2016, 2, 31.	2.4	37
98	A bird's eye view on the flat and conic band world of the honeycomb and Kagome lattices: towards an understanding of 2D metal-organic frameworks electronic structure. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 465302.	1.8	37
99	A Tetranuclear CrIII NiII 3 Cyano-Bridged Complex Based on M(tacn) Derivative Building Blocks. <i>Inorganic Chemistry</i> , 2005, 44, 8194-8196.	4.0	35
100	Temperature-, Light-, and Soft X-ray-Induced Spin Crossover in a Single Layer of Fe ^{II} -Pyrazolylborate Molecules in Direct Contact with Gold. <i>Journal of Physical Chemistry C</i> , 2018, 122, 727-731.	3.1	35
101	Single-Molecule Magnet Behavior of Individual Polyoxometalate Molecules Incorporated within Biopolymer or Metal-Organic Framework Matrices. <i>Chemistry - A European Journal</i> , 2016, 22, 6564-6574.	3.3	34
102	Anomalous Light-Induced Spin-State Switching for Iron(II) Spin-Crossover Molecules in Direct Contact with Metal Surfaces. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13341-13346.	13.8	34
103	Tuning the magnetic anisotropy in coordination nanoparticles: random distribution versus core-shell architecture. <i>Chemical Communications</i> , 2012, 48, 11455.	4.1	33
104	Influence of a Counteranion on the Zero-Field Splitting of Tetrahedral Cobalt(II) Thiourea Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 9085-9100.	4.0	33
105	From ferromagnets to high-spin molecules: the role of the organic ligands. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 3139-3158.	3.4	32
106	Design and Magnetic Properties of a Mononuclear Co(II) Single Molecule Magnet and Its Antiferromagnetically Coupled Binuclear Derivative. <i>Inorganic Chemistry</i> , 2017, 56, 4601-4608.	4.0	32
107	Ferromagnetic order in a 1/4-cyano CrIII-MnII assembly with an unusual branched architecture. <i>Chemical Communications</i> , 1999, , 2217-2218.	4.1	31
108	Magnetic anisotropy of two trinuclear and tetranuclear CrIIINiII cyanide-bridged complexes with spin ground states S = 4 and 5. <i>Dalton Transactions</i> , 2006, , 2818-2828.	3.3	30

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109	Derivation of Lanthanide Series Crystal Field Parameters From First Principles. <i>Chemistry - A European Journal</i> , 2019, 25, 15112-15122.	3.3	30
110	Star-Shaped Nanomolecules Based on p-Phenylene Sulfide Asterisks with a Persulfurated Coronene Core. <i>Chemistry - A European Journal</i> , 2004, 10, 2895-2904.	3.3	29
111	Synthesis of a metal-dicarboxylate hybrid with three dimensional Na-O-Cu connectivity: structure, magnetic property and controlled solid state thermolysis leading to CuO nanorod. <i>Inorganica Chimica Acta</i> , 2005, 358, 1027-1033.	2.4	29
112	Fe(III) clusters built with tripodal alcohol ligands. <i>Polyhedron</i> , 2006, 25, 325-333.	2.2	29
113	Magnetic Langmuir-Blodgett Films of Bimetallic Coordination Nanoparticles of $Cs_{0.4}Ni[Cr(CN)_6]_{0.9}$. <i>Chemistry of Materials</i> , 2008, 20, 4642-4652.	6.7	29
114	Through-Bond Exchange Coupling and Triplet Excitons in a Dinuclear Copper(II) Macrocyclic Complex. <i>Inorganic Chemistry</i> , 1996, 35, 4170-4176.	4.0	28
115	Measurement of Magnetic Moment at the Atomic Scale in a High Temperature Molecular Based Magnet. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4679-4684.	2.9	28
116	Patterning of Magnetic Bimetallic Coordination Nanoparticles of Prussian Blue Derivatives by the Langmuir-Blodgett Technique. <i>Langmuir</i> , 2012, 28, 4525-4533.	3.5	28
117	Assembly of heterobimetallic $Ni^{II}-Ln^{III}$ ($Ln^{III} = Dy^{III}, Tj$) ETQq1 1 0.784314 rgBT a ferrocene ligand: slow relaxation of the magnetization in Dy^{III} , Tb^{III} and Ho^{III} analogues. <i>Dalton Transactions</i> , 2014, 43, 8921-8932.	3.3	28
118	Synthesis and Magnetic Characterization of Fe(III)-Based 9-Metallacrown-3 Complexes Which Exhibit Magnetorefrigerant Properties. <i>Inorganic Chemistry</i> , 2016, 55, 10238-10247.	4.0	28
119	Nonlinear magnetic susceptibility of molecular magnets: Tunneling of high-spin molecules. <i>Physical Review B</i> , 1997, 56, 75-78.	3.2	27
120	New method for the growth of single-walled carbon nanotubes from bimetallic nanoalloy catalysts based on Prussian blue analog precursors. <i>Carbon</i> , 2017, 123, 583-592.	10.3	26
121	Thermal Bistability of an Ultrathin Film of Iron(II) Spin-Crossover Molecules Directly Adsorbed on a Metal Surface. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6152-6158.	4.6	26
122	A Unique Heterotopic Ligand for Sequential Synthesis of Polymetallic Complexes. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 323-325.	2.0	25
123	New routes to high nuclearity cages: dimerisation of a manganese triangle via solvothermal synthesis. <i>Chemical Communications</i> , 2003, , 2330-2331.	4.1	25
124	A new (1/3-carbonato)tricopper(II) complex with symmetry related equilateral triangular array of metal centers; structure and magnetism. <i>Inorganica Chimica Acta</i> , 2005, 358, 2711-2717.	2.4	25
125	Charge Transfer and Tunable Ambipolar Effect Induced by Assembly of Cu(II) Binuclear Complexes on Carbon Nanotube Field Effect Transistor Devices. <i>Journal of the American Chemical Society</i> , 2012, 134, 7896-7901.	13.7	24
126	Probing Transient Photoinduced Charge Transfer in Prussian Blue Analogues with Time-Resolved XANES and Optical Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 272-277.	2.0	24

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127	Photoswitchable 11 nm CsCoFe Prussian Blue Analogue Nanocrystals with High Relaxation Temperature. <i>Inorganic Chemistry</i> , 2020, 59, 13153-13161.	4.0	24
128	Theoretical Study of the Magnetic Behavior of [Fe ₈] and [Fe ₁₆] Wheels. <i>Inorganic Chemistry</i> , 2004, 43, 5410-5415.	4.0	22
129	Grafting a Monolayer of Superparamagnetic Cyanide-Bridged Coordination Nanoparticles on Si(100). <i>Inorganic Chemistry</i> , 2008, 47, 1898-1900.	4.0	21
130	One step assembly of a nonanuclear Cr ^{III} ₂ Ni ^{II} ₇ bimetallic cyanide bridged complex. <i>Chemical Communications</i> , 2006, , 735.	4.1	20
131	Magnetic Anisotropy of Cyanide-Bridged Core and Core-Shell Coordination Nanoparticles Probed by X-ray Magnetic Circular Dichroism. <i>Chemistry - A European Journal</i> , 2013, 19, 6685-6694.	3.3	20
132	Highly symmetric organic ligand-capped Lindqvist structures derived from 3d-elements. <i>Dalton Transactions</i> , 2010, 39, 7774.	3.3	19
133	BEDT-TTF salts containing magnetic anions FeCl ₄ ²⁻ , FeBr ₄ ²⁻ and CuCl ₄ ²⁻ . <i>Synthetic Metals</i> , 1988, 27, A381-A386.	3.9	18
134	Phase transitions in [M ₂ (-ET4N)ET4M(CN) ₆ , 3 H ₂ O; M = Fe ^{III} , Co ^{III} , Cr ^{III}]. <i>Synthetic Metals</i> , 1997, 86, 1859-1860.	3.9	18
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