Naresh Dalal

List of Publications by Year
in descending order

183 papers	8,661 citations	47006 47 h-index	46799 89 g-index
187 all docs	187 docs citations	187 times ranked	6956 citing authors

#	Article	IF	Citations
1	Synthesis, structure, electrochemistry and magnetism of cobalt-, nickel- and zinc-containing [M4(OH)3(H2O)2(Î±-SiW10O36.5)2]13â¯ (M = Co2+, Ni2+, and Zn2+). Dalton Transactions, 2021, 50, 3923-3930.	3.3	5
2	Probing the Dielectric Transition and Molecular Dynamics in the Metalâ€“Organic Framework [(CH₃)₂NH₂]Mg(HCOO)₃ Using High Resolution NMR. Journal of Physical Chemistry C, 2021, 125, 3441-3450.	3.1	9
3	Quantum dynamics of Mn2+ in dimethylammonium magnesium formate. Journal of Chemical Physics, 2021, 154, 154201.	3.0	7
4	Arsenic(III)-Capped 12-Tungsto-2-Arsenates(III) [M₂(As^{III}W₆O₂₅)₂(As^{III}OH)_x]<sup> (M = Cr^{III}, Fe^{III}, Sc^{III}, In^{III}, Ti^{IV},) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	4.0	4
5	Spin Dynamics in Mn:ZnSe Quantum Dots: A Pulsed High-Frequency EPR Study. Journal of Physical Chemistry C, 2020, 124, 19348-19354.	3.1	6
6	Fe^{III}₄₈â€Containing 96â€Tungstoâ€16â€Phosphate: Synthesis, Structure, Magnetism and Electrochemistry. Chemistry - A European Journal, 2020, 26, 15821-15824.	3.3	25
7	Tetra-Mn^{III}-Containing 30-Tungsto-4-phosphate, [Mn^{III}₄(H₂O)₂(P₂W₁₅O₅₆)₂ Synthesis, Structure, XPS, Magnetism, and Electrochemical Study. Inorganic Chemistry, 2020, 59, 13034-13041.	4.0	7
8	Developing the Pressureâ€“Temperatureâ€“Magnetic Field Phase Diagram of Multiferroic [(CH₃)₂NH₂]Mn(HCOO)₃. Inorganic Chemistry, 2020, 59, 10083-10090.	4.0	15
9	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	4.0	23
10	Antiferroelectric Phase Transition in a Proton-Transfer Salt of Squaric Acid and 2,3-Dimethylpyrazine. Journal of the American Chemical Society, 2019, 141, 16279-16287.	13.7	6
11	Noncovalent interactions based self-assembled bichromophoric sensitizer for dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2019, 23, 1099-1107.	2.5	3
12	Hydrogen evolution reaction from bare and surface-functionalized few-layered MoS2 nanosheets in acidic and alkaline electrolytes. Materials Today Chemistry, 2019, 14, 100207.	3.5	33
13	Experimental Validation of Ferromagneticâ€“Antiferromagnetic Competition in Fe_xZn_{1â€“x}Se Quantum Dots by Computational Modeling. Chemistry of Materials, 2018, 30, 2093-2101.	6.7	6
14	Structural and Optical Properties of Nanocrystalline TiO₂ with Multiwalled Carbon Nanotubes and Its Photovoltaic Studies Using Ru(II) Sensitizers. ACS Omega, 2018, 3, 2743-2756.	3.5	74
15	Magnetoelectric coupling in the gapless NH₄CuCl₃. Ferroelectrics, 2018, 534, 159-163.	0.6	2
16	Magnetic resonance probing of ferroelectricity and magnetism in metal-organic frameworks. Ferroelectrics, 2018, 534, 11-18.	0.6	2
17	Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots. Chemistry of Materials, 2018, 30, 8446-8456.	6.7	11
18	15-Copper(<scp>ii</scp>)-containing 36-tungsto-4-silicates(<scp>iv</scp>) [Cu₁₅O₂(OH)₁₀X(A-Î±-SiW₉O₃₄)₄]^{25â¯}(X Dalton Transactions, 2018, 47, 12439-12448.	3.3	17

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19	Structureâ€“Property Relations in Multiferroic [(CH₃)₂NH₂]M(HCOO)₃ (M = Mn, Co, Ni). Inorganic Chemistry, 2018, 57, 11569-11577.	4.0	15
20	Measuring Motional Dynamics of [(CH3)2NH2]+ in the Perovskite-Like Metalâ€“Organic Framework [(CH3)2NH2][Zn(HCOO)3]: The Value of Low-Frequency Electron Paramagnetic Resonance. Journal of Physical Chemistry C, 2018, 122, 16431-16436.	3.1	10
21	Understanding Ferroelectricity in the Pb-Free Perovskite-Like Metalâ€“Organic Framework [(CH₃)₂NH₂]Zn(HCOO)₃: Dielectric, 2D NMR, and Theoretical Studies. Journal of Physical Chemistry C, 2017, 121, 6314-6322.	3.1	36
22	Magnetic field-temperature phase diagram of multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:msub> Physical Review B, 2017, 96, .	3.2	24
23	Phonon mode links ferroicities in multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:msub> Physical Review B, 2017, 96, .	3.2	17
24	Synthesis and Solid-State Structure of Cyclobutyltellurium(IV)-Containing Dimeric Tungstoarsenates(III). Journal of Cluster Science, 2017, 28, 825-837.	3.3	2
25	DNA mismatch repair protein Mlh1 is required for tetravalent chromium intermediate-induced DNA damage. Oncotarget, 2017, 8, 83975-83985.	1.8	15
26	Ion Environments in Mn²⁺-Doped Polyelectrolyte Complexes: Dilute Magnetic Saloplastics. Journal of Physical Chemistry B, 2016, 120, 6771-6777.	2.6	7
27	Efficient synthesis and tailoring of magnetic and dielectric properties of Pbâ€free perovskiteâ€like ABX₃ metalâ€organic frameworks. Physica Status Solidi - Rapid Research Letters, 2016, 10, 600-605.	2.4	12
28	Incorporation of Transitionâ€Metalâ€Ion Guests (Co 2+ , Ni 2+ , Cu 2+ , Zn 2+) into the Ti 2 â€Containing 18â€Tungstoâ€2â€arsenate(III) Monolacunary Host. European Journal of Inorganic Chemistry, 2016, 2016, 5519-5529.	2.0	10
29	Switchable electric polarization and ferroelectric domains in a metal-organic-framework. Npj Quantum Materials, 2016, 1, .	5.2	103
30	CrIII-Substituted Heteropoly-16-Tungstates [CrIII2(B-Î²-XIVW8O31)2]14â€“ (X = Si, Ge): Magnetic, Biological, and Electrochemical Studies. Inorganic Chemistry, 2016, 55, 10936-10946.	4.0	11
31	Enhanced proton and electron reservoir abilities of polyoxometalate grafted on graphene for high-performance hydrogen evolution. Energy and Environmental Science, 2016, 9, 1012-1023.	30.8	138
32	Enhancing the Magnetic Anisotropy of Linear Cr(II) Chain Compounds Using Heavy Metal Substitutions. Inorganic Chemistry, 2016, 55, 6376-6383.	4.0	24
33	Characterization of Pt^{IV}-containing polyoxometalates by high-resolution solid-state ¹⁹⁵Pt and ⁵¹V NMR spectroscopy. New Journal of Chemistry, 2016, 40, 923-927.	2.8	13
34	Cr(<scp>i</scp>)Cl as well as Cr⁺are stabilised between two cyclic alkyl amino carbenes. Chemical Science, 2015, 6, 3148-3153.	7.4	39
35	On Mn²⁺ EPR Probing of the Ferroelectric Transition and Absence of Magnetoelectric Coupling in Dimethylammonium Manganese Formate (CH₃)₂NH₂Mn(HCOO)₃, a Metalâ€“Organic Complex with the Pb-Free Perovskite Framework. Journal of Physical Chemistry C, 2015, 119, 28143-28147.	3.1	39
36	Structure and Properties of a (CdSe)₆@(CdSe)₃₀ Cluster Doped with Mn Atoms. Journal of Physical Chemistry C, 2015, 119, 6261-6277.	3.1	12

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37	High Field Electron Paramagnetic Resonance Characterization of Electronic and Structural Environments for Paramagnetic Metal Ions and Organic Free Radicals in Deepwater Horizon Oil Spill Tar Balls. Analytical Chemistry, 2015, 87, 2306-2313.	6.5	31
38	Evidence from 900 MHz ¹H MAS NMR of Displacive Behavior of the Model Orderâ€“Disorder Antiferroelectric NH₄H₂AsO₄. Journal of Physical Chemistry C, 2015, 119, 5013-5019.	3.1	12
39	NMR detection of dynamical processes in antiferroelectric nanoclusters during the order-disorder transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NH</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>AsO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 91, .	3.2	5
40	Six-coordinate ferric porphyrins containing bidentate N-t-butyl-N-nitrosohydroxylaminato ligands: structure, magnetism, IR spectroelectrochemisty, and reactivity. Dalton Transactions, 2015, 44, 20121-20130.	3.3	4
41	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. Inorganic Chemistry Frontiers, 2015, 2, 893-897.	6.0	27
42	Completing the series of Group VI heterotrimetallic M2Cr(dpa)4Cl2 (M2= Cr2, Mo2, MoW and W2) compounds and investigating their metalâ€“metal interactions using density functional theory. Inorganica Chimica Acta, 2015, 424, 241-247.	2.4	28
43	Anisotropy of the molecular magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>V</mml:mi><mml:mn>15</mml:mn></mml:msub></mml:math> Hamiltonian detected by high-field electron spin resonance. Physical Review B, 2014, 89, .	3.2	5
44	The usefulness of EPR spectroscopy in the study of compounds with metalâ€“metal multiple bonds. Dalton Transactions, 2014, 43, 8565-8576.	3.3	14
45	Synthesis, Detailed Characterization, and Theoretical Understanding of Mononuclear Chromium(III)-Containing Polyoxotungstates [CrIII(HXVW7O28)2]13â€“ (X = P, As) with Exceptionally Large Magnetic Anisotropy. Inorganic Chemistry, 2014, 53, 9274-9283.	4.0	20
46	High Field MAS NMR and Conductivity Study of the Superionic Conductor LiH2PO4: Critical Role of Physisorbed Water in Its Protonic Conductivity. Journal of Physical Chemistry C, 2014, 118, 13387-13393.	3.1	19
47	Electronic Structure and Slow Magnetic Relaxation of Low-Coordinate Cyclic Alkyl(amino) Carbene Stabilized Iron(I) Complexes. Journal of the American Chemical Society, 2014, 136, 11964-11971.	13.7	145
48	Spin dynamics and magnetoelectric properties of the coupled-spin tetrahedral compoundCu2Te2O5Cl2. Physical Review B, 2014, 90, .	3.2	5
49	Di-, Tri-, and Tetranuclear Nickel(II) Complexes with Oximato Bridges: Magnetism and Catecholase-like Activity of Two Tetranuclear Complexes Possessing Rhombic Topology. Inorganic Chemistry, 2013, 52, 11744-11757.	4.0	72
50	Dimethylammonium copper formate [(CH3)2NH2]Cu(HCOO)3: A metal-organic framework with quasi-one-dimensional antiferromagnetism and magnetostriction. Physical Review B, 2013, 87, .	3.2	62
51	Polyoxopalladates Encapsulating 8-Coordinated Metal Ions: [MO₈Pd^{II}₁₂L₈]^{nâ^’} (M =) Tj ETQq1 1 0.784314 rgBT /Overlo 13214-13228.	4.0	58
52	Evidence of a ZnCr₂Se₄ Spinel Inclusion at the Core of a Cr-Doped ZnSe Quantum Dot. Journal of the American Chemical Society, 2012, 134, 5577-5585.	13.7	33
53	Direct Evidence from Electron Paramagnetic Resonance for Additional Configurations in Uncommon Paddlewheel Re₂⁷⁺ Units Surrounded by an Unsymmetrical Bicyclic Guanidinate. Inorganic Chemistry, 2012, 51, 5257-5263.	4.0	10
54	Alloy Formation at the Tetrapod Core/Arm Interface. Nano Letters, 2012, 12, 3132-3137.	9.1	24

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55	Structurally Diverse Copper(II) Complexes of Polyaza Ligands Containing 1,2,3-Triazoles: Site Selectivity and Magnetic Properties. Inorganic Chemistry, 2012, 51, 3465-3477.	4.0	78
56	Trimetallic [M3(dpa)4]2+Complexes (M = Co, Ni) as Building Blocks for Cyano-Bridged Coordination Polymers. European Journal of Inorganic Chemistry, 2012, 2012, 4652-4660.	2.0	6
57	Increasing ¹³C CP-MAS NMR Resolution Using Single Crystals: Application to Model Octaethyl Porphyrins. Journal of Physical Chemistry B, 2012, 116, 9215-9222.	2.6	10
58	3â€‰d Metal Ions in Highly Unusual Eightâ€Coordination: The Phosphateâ€Capped Dodecapalladate(II) Nanocube. Chemistry - A European Journal, 2012, 18, 6167-6171.	3.3	43
59	Tailoring the Magnetic and Optical Characteristics of Nanocrystalline <scp><scp>BiFeO</scp></scp>₃ by <scp><scp>Ce</scp></scp> Doping. Journal of the American Ceramic Society, 2012, 95, 1985-1992.	3.8	108
60	High-field electron paramagnetic resonance as a microscopic probe of anisotropic strain at Mn2+ sites in CdSe:Mn2+ quantum dots. Chemical Physics Letters, 2012, 524, 73-77.	2.6	19
61	A high-frequency EPR characterization of the S=2 linear tri-atomic chain in Cr3(dpa)4Cl2Â·CH2Cl2. Polyhedron, 2011, 30, 3058-3061.	2.2	15
62	Mechanism of the orderâ€“disorder phase transition, and glassy behavior in the metal-organic framework [(CH ₃) ₂ NH ₂]Zn(HCOO) ₃. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6828-6832.	7.1	187
63	Probing the Local Site Environments in Mn:CdSe Quantum Dots. Journal of Physical Chemistry C, 2011, 115, 23305-23314.	3.1	48
64	Synthesis and Characterization of the Dicopper(II)â€Containing 22â€Palladate(II) [Cu^{II}₂Pd^{II}₂₂P^V₁₂O₆₀(OH) Angewandte Chemie - International Edition, 2011, 50, 2639-2642.	13.8	65
65	A Planar {Mn₁₉(OH)₁₂}²⁶⁺ Unit Incorporated in a 60â€Tungstoâ€6â€Silicate Polyanion. Angewandte Chemie - International Edition, 2011, 50, 5961-5964.	13.8	180
66	Study of the local field distribution on a single-molecule magnet by a single paramagnetic crystal: A DPPH crystal on the surface of an Mn12-acetate crystal. Journal of Applied Physics, 2011, 110, 093909.	2.5	2
67	A Rare Cyclic Dimolybdenum Triad with Three Weakly Interacting Unpaired Electrons. Journal of Cluster Science, 2010, 21, 301-312.	3.3	0
68	Polyoxopalladates Encapsulating Yttrium and Lanthanide Ions, [X^{III}Pd^{II}₁₂(AsPh)₈O₃₂]^{5â^’} (X=Y, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). Chemistry - A European Journal, 2010, 16, 9076-9085.	3.3	81
69	Low-temperature spin dynamics in the kagome system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pr</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2010, 81, .	3.2	17
70	Review of Chromium (VI) Apoptosis, Cell-Cycle-Arrest, and Carcinogenesis. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2010, 28, 188-230.	2.9	85
71	Inhomogeneous magnetic cluster states in the magnetoresistance material<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Lu</mml:mtext></mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2010, 82, .	3.2	8
72	Cobalt, Manganese, Nickel, and Vanadium Derivatives of the Cyclic 48-Tungsto-8-Phosphate [H7P8W48O184]33â^’. Inorganic Chemistry, 2010, 49, 4949-4959.	4.0	77

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73	Multiphoton Coherent Manipulation in Large-Spin Qubits. Physical Review Letters, 2009, 102, 050501.	7.8	44
74	Polyoxometalates: Fascinating structures, unique magnetic properties. Coordination Chemistry Reviews, 2009, 253, 2315-2327.	18.8	508
75	Wheel-Shaped Cu20-Tungstophosphate [Cu20X(OH)24(H2O)12(P8W48O184)]25â˜' Ion (X = Cl, Br, I) and the Role of the Halide Guest. Inorganic Chemistry, 2009, 48, 11636-11645.	4.0	59
76	Heteropoly-13-Palladates(II) [Pd^{II}₁₃(As^VPh)₈O₃₂]^{6â˜'} and [Pd^{II}₁₃Se^{IV}₈O₃₂]^{6â˜'}. Inorganic Chemistry, 2009, 48, 7504-7506.	4.0	82
77	Multiferroic Behavior Associated with an Orderâ˜'Disorder Hydrogen Bonding Transition in Metalâ˜'Organic Frameworks (MOFs) with the Perovskite ABX₃ Architecture. Journal of the American Chemical Society, 2009, 131, 13625-13627.	13.7	736
78	Synthesis, Magnetic Characterization, and Sensing Applications of Novel Dextran-Coated Iron Oxide Nanorods. Chemistry of Materials, 2009, 21, 1761-1767.	6.7	91
79	Catalytic Aerobic Oxidation by a Trianionic Pincer CrIII/CrV Couple. Inorganic Chemistry, 2009, 48, 10901-10903.	4.0	45
80	Mixed-Valence 24-Vanadophosphate Decorated with Six RuII(dmso)3 Groups: [{RuII 3(dmso)9PVV 11VIVRuIIIO37(OH)3}2]8â˜'. Journal of Cluster Science, 2008, 19, 259-273.	3.3	18
81	Nucleation Process in the Cavity of a 48â€Tungstophosphate Wheel Resulting in a 16â€Metalâ€Centre Iron Oxide Nanocluster. Chemistry - A European Journal, 2008, 14, 1186-1195.	3.3	150
82	Orderâ˜'Disorder Antiferroelectric Phase Transition in a Hybrid Inorganicâ˜'Organic Framework with the Perovskite Architecture. Journal of the American Chemical Society, 2008, 130, 10450-10451.	13.7	444
83	Ab Initio Study of the Microscopic Mechanism Leading to Antiferroelectricity in NH4H2PO4 (ADP). Ferroelectrics, 2008, 363, 13-20.	0.6	1
84	Origin of Antiferroelectricity inNH4H2PO4from First Principles. Physical Review Letters, 2007, 98, 267601.	7.8	41
85	Electronic structure of aMn12molecular magnet: Theory and experiment. Physical Review B, 2007, 75, .	3.2	41
86	Simultaneous Supralinear Line-Narrowing and Sensitivity Enhancement at High Fields in Magic Angle Spinning NMR of Spin-1/2 Nuclei in Solids. Journal of the American Chemical Society, 2007, 129, 470-471.	13.7	12
87	High Resolution15N NMR of the 225 K Phase Transition of Ammonia Borane (NH3BH3):Â Mixed Order-Disorder and Displacive Behavior. Journal of Physical Chemistry B, 2007, 111, 677-681.	2.6	55
88	Dielectric, Electron Paramagnetic Resonance, and Transport Properties of Spanish Moss. Journal of Low Temperature Physics, 2007, 142, 675-680.	1.4	0
89	First-Principles Determination of Slater and Takagi Defect Properties in KDP. Ferroelectrics, 2006, 333, 47-56.	0.6	0
90	Order-Disorder and Displacive Behavior of the Cation (NH4+) Sites in the Hydrogen-Bonded Antiferroelectric NH4H2AsO4:15N NMR Evidence. Ferroelectrics, 2006, 337, 153-160.	0.6	12

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91	Switching-on Superparamagnetism in Mn/CdSe Quantum Dots. Journal of the American Chemical Society, 2006, 128, 2931-2939.	13.7	117
92	High Resolution NMR Evidence for Displacive Behavior in Hydrogen-Bonded Ferroelectrics and Antiferroelectrics. Ferroelectrics, 2006, 337, 3-12.	0.6	15
93	Experimental Evidence for the Coexistence of Order/Disorder and Displacive Behavior of Hydrogen-Bonded Ferroelectrics and Antiferroelectrics. Structure and Bonding, 2006, , 23-50.	1.0	5
94	Order/Disorder Versus or with Displacive Dynamics in Ferroelectric Systems. Structure and Bonding, 2006, , 1-21.	1.0	10
95	Low-field EPR studies of levels near the top of the barrier in Mn12-acetate reveal a new magnetization relaxation pathway. Solid State Communications, 2006, 139, 51-56.	1.9	3
96	Polyoxoanion with Octahedral Germanium(IV) Hetero Atom: Synthesis, Structure, Magnetism, EPR, Electrochemistry and XPS Studies on the Mixed-Valence 14-Vanadogermanate [GeVV 12VIV 2O40]8â˜'. Journal of Cluster Science, 2006, 17, 143-165.	3.3	35
97	Understanding the gap in polyoxovanadate molecule-based magnets. Physical Review B, 2006, 74, .	3.2	27
98	Spin-echo EPR spin-probe measurement of the microsecond-range magnetic field fluctuations near the surface of crystals of the nanomagnet Mn12â€“Ac. Solid State Communications, 2005, 136, 518-522.	1.9	1
99	Magnetic Quantum Tunneling in the Single-Molecule Magnet Mn12-Acetate. Journal of Low Temperature Physics, 2005, 140, 119-174.	1.4	131
100	Incommensurate transverse anisotropy induced by disorder and spin-orbit-vibron coupling in Mn12 acetate. Journal of Applied Physics, 2005, 97, 10M505.	2.5	8
101	Slater and Takagi defects inKH2PO4from first principles. Physical Review B, 2005, 72, .	3.2	28
102	The Satellite-Shaped Co-15 Polyoxotungstate, [Co6(H2O)30{Co9Cl2(OH)3(H2O)9(Î²-SiW8O31)3}]5-. Inorganic Chemistry, 2005, 44, 2659-2665.	4.0	156
103	Magnetism, Electron Paramagnetic Resonance, Electrochemistry, and Mass Spectrometry of the Pentacopper(II)-Substituted Tungstosilicate [Cu5(OH)4(H2O)2(A-Î±-SiW9O33)2]10-, A Model Five-Spin Frustrated Cluster. Inorganic Chemistry, 2005, 44, 9795-9806.	4.0	157
104	Structure, Electrochemistry, and Magnetism of the Iron(III)-Substituted Keggin Dimer, [Fe6(OH)3(A-Î±-GeW9O34(OH)3)2]11-. Inorganic Chemistry, 2005, 44, 896-903.	4.0	200
105	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED FeIII TETRAHEDRON. International Journal of Modern Physics B, 2004, 18, 3853-3856.	2.0	0
106	Crystalline and water soluble CR(4+) and CR(5+:) model compounds for chromium toxicity studies. Molecular and Cellular Biochemistry, 2004, 255, 113-118.	3.1	7
107	EPR and NMR characterization of theS=9 excited state and spin density distribution in the single-molecule magnet Fe8Br8: Implications to theS=10 model and magnetization tunneling pathways. Applied Magnetic Resonance, 2004, 27, 151-163.	1.2	4
108	Hydrogen Bonds in a Polarizable Medium: Implications for the Isotope Effect, the Phase Transition Mechanism and Quantum Effects. Ferroelectrics, 2004, 302, 17-21.	0.6	0

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109	Structure and Magnetism of the Tetra-Copper(II)-Substituted Heteropolyanion [Cu4K2(H2O)8(Î±-AsW9O33)2]8-. Inorganic Chemistry, 2004, 43, 144-154.	4.0	164
110	Sandwich-Type Germanotungstates:Â Structure and Magnetic Properties of the Dimeric Polyoxoanions [M4(H2O)2(GeW9O34)2]12-(M = Mn2+, Cu2+, Zn2+, Cd2+). Inorganic Chemistry, 2004, 43, 2308-2317.	4.0	172
111	Probing magnetic fields on crystals of the nanomagnet Mn12-acetate by electron paramagnetic resonance. Journal of Magnetic Resonance, 2003, 165, 260-264.	2.1	5
112	Fully Localized Mixed-Valence Oxidation Products of Molecules Containing Two Linked Dimolybdenum Units:Â An Effective Structural Criterion. Journal of the American Chemical Society, 2003, 125, 12945-12952.	13.7	43
113	Observation of Symmetry Lowering and Electron Localization in the Doublet-States of a Spin-Frustrated Equilateral Triangular Lattice:Â Cu3(O2C16H23)Â·1.2C6H12. Journal of the American Chemical Society, 2003, 125, 5270-5271.	13.7	96
114	ac susceptibility and NMR observation of a deuterium isotope effect in the magnetization dynamics of theMn12-acetate nanomagnet. Physical Review B, 2003, 67, .	3.2	21
115	An Fe4 cluster with a slowly relaxing paramagnetic excited state: [Fe4O(OH)5(tacn)4]I7â‹…2.5 H2O. Journal of Applied Physics, 2003, 93, 7086-7088.	2.5	3
116	Raman and infrared modes of the single molecule magnet Fe8Br8 and analogs. Journal of Applied Physics, 2003, 93, 7092-7094.	2.5	5
117	Semiconductive and photoconductive properties of the single-molecule magnetsMn12-acetate andFe8Br8. Physical Review B, 2003, 67, .	3.2	22
118	Diffuse optical excitations inMn12-acetate. Physical Review B, 2002, 65, .	3.2	23
119	Electron paramagnetic resonance linewidths and line shapes for the molecular magnets Fe[sub 8] and Mn[sub 12]. Journal of Applied Physics, 2002, 91, 7167.	2.5	21
120	Spin-vibrational coupling in the far-infrared spectrum ofMn12-acetate. Physical Review B, 2002, 66, .	3.2	14
121	Detailed single-crystal EPR line shape measurements for the single-molecule magnetsFe8BrandMn12â˜'acetate. Physical Review B, 2002, 65, .	3.2	115
122	Single Crystal High Frequency Cavity-based EPR Spectroscopy of Single Molecule Magnets. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	1
123	Low-frequency Raman modes of the single-molecule magnetsMn12-acetate andFe8Br8and their analogs. Physical Review B, 2002, 66, .	3.2	19
124	A Density Functional Study of the Complex Nature of the Hydrogen-Bond Network and Mechanism of the Antiferroelectric Transition in Squaric Acid. Ferroelectrics, 2002, 272, 173-179.	0.6	3
125	Role of dipolar and exchange interactions in the positions and widths of EPR transitions for the single-molecule magnetsFe8andMn12. Physical Review B, 2002, 66, .	3.2	58
126	Bisquaric Acid:Â Unusual Solid State NMR, Electronic Structure, and a Predicted Orderâ˜'Disorder Transition. Journal of Physical Chemistry A, 2001, 105, 8926-8930.	2.5	9

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127	Nanostructures in Physical Materials Chemistry: An Exploratory Laboratory. The Chemical Educator, 2001, 6, 238-246.	0.0	0
128	Three-dimensional antiferromagnetism in triamminodiperoxychromate, Cr(NH3)3(O2)2: a precursor to a new class of Cr(IV) magnets. Solid State Communications, 2001, 119, 597-601.	1.9	16
129	Amphiphilic copolymers of glycidol with nonpolar epoxide comonomers. Journal of Applied Polymer Science, 2001, 82, 2290-2299.	2.6	10
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