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	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
2	Polyoxometalates: Fascinating structures, unique magnetic properties. Coordination Chemistry Reviews, 2009, 253, 2315-2327.	18.8	508
3	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
4	High-Sensitivity Electron Paramagnetic Resonance ofMn12-Acetate. Physical Review Letters, 1998, 80, 2453-2456.	7.8	215
5	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
6	On the hydroxyl radical formation in the reaction between hydrogen peroxide and biologically generated chromium(V) species. Archives of Biochemistry and Biophysics, 1990, 277, 342-350.	3.0	189
7	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
8	Enhanced Generation of Free Radicals from Phagocytes Induced by Mineral Dusts. American Journal of Respiratory Cell and Molecular Biology, 1992, 6, 404-413.	2.9	180
9	Reaction of Cr(VI) with ascorbate and hydrogen peroxide generates hydroxyl radicals and causes DNA damage: role of a Cr(IV)-mediated Fenton-like reaction. Carcinogenesis, 1994, 15, 2475-2478.	2.8	180
10	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
11	Chromium (V) and hydroxyl radical formation during the glutathione reductase-catalyzed reduction of chromium (VI). Biochemical and Biophysical Research Communications, 1989, 163, 627-634.	2.1	177
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Magnetic Quantum Tunneling in the Single-Molecule Magnet Mn12-Acetate. Journal of Low Temperature Physics, 2005, 140, 119-174.	1.4	131
20	Relaxation of the magnetization ofMn12acetate. Physical Review B, 1998, 58, 330-338.	3.2	126
21	Effects ofD-strain,g-strain, and dipolar interactions on EPR linewidths of the molecular magnetsFe8andMn12. Physical Review B, 2001, 65, .	3.2	121
22	Switching-on Superparamagnetism in Mn/CdSe Quantum Dots. Journal of the American Chemical Society, 2006, 128, 2931-2939.	13.7	117
23	Detailed single-crystal EPR line shape measurements for the single-molecule magnetsFe8BrandMn12â˜’acetate. Physical Review B, 2002, 65, .	3.2	115
24	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
25	On the mechanism of the chromate reduction by glutathione: ESR evidence for the glutathionyl radical and an isolable Cr(V) intermediate. Biochemical and Biophysical Research Communications, 1988, 156, 137-142.	2.1	105
26	Switchable electric polarization and ferroelectric domains in a metal-organic-framework. Npj Quantum Materials, 2016, 1, .	5.2	103
27	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
28	Synthesis, Magnetic Characterization, and Sensing Applications of Novel Dextran-Coated Iron Oxide Nanorods. Chemistry of Materials, 2009, 21, 1761-1767.	6.7	91
29	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
30	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
31	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
32	Cr(IV) causes activation of nuclear transcription factor-Î¹B, DNA strand breaks and dG hydroxylation via free radical reactions. Journal of Inorganic Biochemistry, 1999, 75, 37-44.	3.5	80
33	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
34	Cobalt, Manganese, Nickel, and Vanadium Derivatives of the Cyclic 48-Tungsto-8-Phosphate [H7P8W48O184]33â˜’. Inorganic Chemistry, 2010, 49, 4949-4959.	4.0	77
35	Paramagnetic resonance, magnetic susceptibility, and antiferromagnetic exchange in a Cr5+ paramagnet: Potassium perchromate (K3CrO8). Journal of Chemical Physics, 1981, 74, 1916-1923.	3.0	74
36	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

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37	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
38	Synthesis of Cr(IV)-GSH, Its Identification and Its Free Hydroxyl Radical Generation: A Model Compound for Cr(VI) Carcinogenicity. Biochemical and Biophysical Research Communications, 1997, 235, 54-58.	2.1	66
39	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
40	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
41	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
42	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	58
43	[MO₈Pd^{II}₁₂L₈]^{nâ^'} (M =) Tj ETQq1 1 0.784314 rgBT /Overlo	4.0	58
44	Role of free radicals in the mechanisms of hemolysis and lipid peroxidation by silica: Comparative ESR and cytotoxicity studies. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1990, 29, 307-316.	2.3	56
45	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
46	Probing the Local Site Environments in Mn:CdSe Quantum Dots. Journal of Physical Chemistry C, 2011, 115, 23305-23314.	3.1	48
47	Catalytic Aerobic Oxidation by a Trianionic Pincer CrIII/CrV Couple. Inorganic Chemistry, 2009, 48, 10901-10903.	4.0	45
48	Multiphoton Coherent Manipulation in Large-Spin Qubits. Physical Review Letters, 2009, 102, 050501.	7.8	44
49	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
50	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
51	Origin of Antiferroelectricity inNH4H2PO4from First Principles. Physical Review Letters, 2007, 98, 267601.	7.8	41
52	Electronic structure of aMn12molecular magnet: Theory and experiment. Physical Review B, 2007, 75, .	3.2	41
53	Presence of Stable Coal Radicals in Autopsied Coal Miners' Lungs and Its Possible Correlation to Coal Workers' Pneumoconiosis. Archives of Environmental Health, 1991, 46, 366-372.	0.4	40
54	Role of chromium(IV) in the chromium(VI)-related free radical formation, dG hydroxylation, and DNA damage. Journal of Inorganic Biochemistry, 1996, 64, 25-35.	3.5	40

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55	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
56	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
57	High-precision31P chemical shift measurements on KH2PO4-type crystals: role of electronic instability in the ferroelectric transition mechanism. Journal of Physics Condensed Matter, 2001, 13, L231-L237.	1.8	37
58	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
59	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
60	Novel Heteroatom-Linked Analogues of Trityl Radicals:â€‰ Diaryl(benzotriazol-1-yl)methyl Radical Dimers. Journal of Organic Chemistry, 1998, 63, 1467-1472.	3.2	33
61	13CNMR and relaxation studies of the nanomagnetMn12-acetate. Physical Review B, 2001, 64, .	3.2	33
62	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
63	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
64	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
65	Magic angle spinning NMR on single crystals as a new aid in characterizing phase transitions: application to squaric acid. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1997, 104, 651-656.	1.1	29
66	Excited-stateX-band EPR in a molecular cluster nanomagnet. Physical Review B, 2001, 63, .	3.2	29
67	Slater and Takagi defects inKH2PO4from first principles. Physical Review B, 2005, 72, .	3.2	28
68	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
69	Understanding the gap in polyoxovanadate molecule-based magnets. Physical Review B, 2006, 74, .	3.2	27
70	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
71	Esr Spin Trapping and Cytotoxicity Investigations of Freshly Fractured Quartz: Mechanism of Acute Silicosis. Free Radical Research Communications, 1990, 9, 259-266.	1.8	26
72	K3CrO8 in K3NbO8 as a Proposed Standard for g-Factor, Spin Concentration, and Field Calibration in High-Field EPR Spectroscopy. Analytical Chemistry, 1999, 71, 1951-1957.	6.5	26

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73	Potassium perchromate standard for determination of paramagnetic spin concentration, g values, and magnetic moments of fossil fuels. Analytical Chemistry, 1981, 53, 938-940.	6.5	25
74	Fe^{III}₄₈â€Containing 96â€Tungstoâ€16â€Phosphate: Synthesis, Structure, Magnetism and Electrochemistry. Chemistry - A European Journal, 2020, 26, 15821-15824.	3.3	25
75	Alloy Formation at the Tetrapod Core/Arm Interface. Nano Letters, 2012, 12, 3132-3137.	9.1	24
76	Enhancing the Magnetic Anisotropy of Linear Cr(II) Chain Compounds Using Heavy Metal Substitutions. Inorganic Chemistry, 2016, 55, 6376-6383.	4.0	24
77	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><mml:mrow><mml:mn> Physical Review B, 2017, 96, .	3.2	24
78	Diffuse optical excitations inMn12-acetate. Physical Review B, 2002, 65, .	3.2	23
79	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	4.0	23
80	A multifrequency-resonator-based system for high-sensitivity high-field EPR investigations of small single crystals. Applied Magnetic Resonance, 1999, 16, 237-245.	1.2	22
81	Magnetic field effects on the far-infrared absorption inMn12-acetate. Physical Review B, 2001, 63, .	3.2	22
82	Semiconductive and photoconductive properties of the single-molecule magnetsMn12-acetate andFe8Br8. Physical Review B, 2003, 67, .	3.2	22
83	On the formation of oxygenated radicals by fredericamycin A and implications to its anticancer activity: an ESR investigation. Biochemistry, 1989, 28, 748-750.	2.5	21
84	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
85	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
86	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
87	Molecular dynamics and the phase transition in the naphthaleneâ€“tetracyanobenzene chargeâ€transfer complex as studied by1H NMR and triplet state EPR. Journal of Chemical Physics, 1981, 74, 1526-1533.	3.0	19
88	Low-frequency Raman modes of the single-molecule magnetsMn12-acetate andFe8Br8and their analogs. Physical Review B, 2002, 66, .	3.2	19
89	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
90	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

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91	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
92	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
93	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><mml:mrow><mml:mrow><mml:r Physical Review B, 2017, 96, .	3.2	17
94	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
95	Proton glass state in Rb1-x(NH4) xH2AsO4. Ferroelectrics, 1988, 79, 335-338.	0.6	16
96	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
97	High Resolution NMR Evidence for Displacive Behavior in Hydrogen-Bonded Ferroelectrics and Antiferroelectrics. Ferroelectrics, 2006, 337, 3-12.	0.6	15
98	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
99	Structureâ€“Property Relations in Multiferroic [(CH₃)₂NH₂]M(HCOO)₃ (M = Mn, Co, Ni). Inorganic Chemistry, 2018, 57, 11569-11577.	4.0	15
100	Developing the Pressureâ€“Temperatureâ€“Magnetic Field Phase Diagram of Multiferroic [(CH₃)₂NH₂]Mn(HCOO)₃. Inorganic Chemistry, 2020, 59, 10083-10090.	4.0	15
101	DNA mismatch repair protein Mlh1 is required for tetravalent chromium intermediate-induced DNA damage. Oncotarget, 2017, 8, 83975-83985.	1.8	15
102	Spin-vibrational coupling in the far-infrared spectrum ofMn12-acetate. Physical Review B, 2002, 66, .	3.2	14
103	The usefulness of EPR spectroscopy in the study of compounds with metalâ€“metal multiple bonds. Dalton Transactions, 2014, 43, 8565-8576.	3.3	14
104	Esr spin trapping evidence for SO.- 3 and .OH radicals in sulfite oxidation. Research on Chemical Intermediates, 1990, 13, 103-115.	2.7	13
105	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
106	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
107	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
108	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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109	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
110	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
111	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
112	Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots. Chemistry of Materials, 2018, 30, 8446-8456.	6.7	11
113	NH+3as a paramagnetic probe of molecular motion: Application to phase transitions in (NH4)2SO4â€type solids. Journal of Chemical Physics, 1986, 85, 6060-6067.	3.0	10
114	Amphiphilic copolymers of glycidol with nonpolar epoxide comonomers. Journal of Applied Polymer Science, 2001, 82, 2290-2299.	2.6	10
115	Order/Disorder Versus or with Displacive Dynamics in Ferroelectric Systems. Structure and Bonding, 2006, , 1-21.	1.0	10
116	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
117	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
118	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
119	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
120	Endor detection of charge density redistribution accompanying the ferroelectric transition in KH2PO4. Ferroelectrics, 1992, 135, 227-236.	0.6	9
121	Spinning crystals leads to significant enhancement in 13C spectral resolution in MAS experiments on organic compounds: a new aid in studying phase transitions. Solid State Nuclear Magnetic Resonance, 1997, 9, 85-89.	2.3	9
122	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
123	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
124	Incommensurate transverse anisotropy induced by disorder and spin-orbit-vibron coupling in Mn12 acetate. Journal of Applied Physics, 2005, 97, 10M505.	2.5	8
125	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></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 82, .	3.2	8
126	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

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127	Ion Environments in Mn²⁺-Doped Polyelectrolyte Complexes: Dilute Magnetic Saloplastics. Journal of Physical Chemistry B, 2016, 120, 6771-6777.	2.6	7
128	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
129	Quantum dynamics of Mn2+ in dimethylammonium magnesium formate. Journal of Chemical Physics, 2021, 154, 154201.	3.0	7
130	EPR and josephson absorption in YBaCuO high temperature superconductor. Ferroelectrics, 1988, 78, 231-240.	0.6	6
131	Tl2+ EPR detection of glassy behavior in ADPx - RDP1-x and deuteration effects in the phase diagram of ADx- RDA1-x. Ferroelectrics, 1990, 106, 113-118.	0.6	6
132	Measurement of Short-Lived Reactive Species and Long-Lived Free Radicals in Air Samples from Structural Fires. Journal of Occupational and Environmental Hygiene, 1993, 8, 650-654.	0.4	6
133	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
134	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
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