

Naresh Dalal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Multiferroic Behavior Associated with an Order-Disorder Hydrogen Bonding Transition in Metal-Organic Frameworks (MOFs) with the Perovskite ABX ₃ Architecture. <i>Journal of the American Chemical Society</i> , 2009, 131, 13625-13627.	6.6	736
2	Polyoxometalates: Fascinating structures, unique magnetic properties. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2315-2327.	9.5	508
3	Order-Disorder Antiferroelectric Phase Transition in a Hybrid Inorganic-Organic Framework with the Perovskite Architecture. <i>Journal of the American Chemical Society</i> , 2008, 130, 10450-10451.	6.6	444
4	High-Sensitivity Electron Paramagnetic Resonance of Mn ²⁺ -Acetate. <i>Physical Review Letters</i> , 1998, 80, 2453-2456.	2.9	215
5	Structure, Electrochemistry, and Magnetism of the Iron(III)-Substituted Keggin Dimer, [Fe ₆ (OH) ₃ (A ₁ -GeW ₉ O ₃₄ (OH) ₃) ₂] ¹¹⁻ . <i>Inorganic Chemistry</i> , 2005, 44, 896-903.	1.9	200
6	On the hydroxyl radical formation in the reaction between hydrogen peroxide and biologically generated chromium(V) species. <i>Archives of Biochemistry and Biophysics</i> , 1990, 277, 342-350.	1.4	189
7	Mechanism of the order-disorder phase transition, and glassy behavior in the metal-organic framework [(CH ₃) ₂ NH] ₂ Zn(HCOO) ₃ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6828-6832.	3.3	187
8	Enhanced Generation of Free Radicals from Phagocytes Induced by Mineral Dusts. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1992, 6, 404-413.	1.4	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. <i>Carcinogenesis</i> , 1994, 15, 2475-2478.	1.3	180
10	A Planar {Mn ₁₉ (OH) ₁₂ } ²⁶⁺ Unit Incorporated in a Tungstosilicate Polyanion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5961-5964.	7.2	180
11	Chromium (V) and hydroxyl radical formation during the glutathione reductase-catalyzed reduction of chromium (VI). <i>Biochemical and Biophysical Research Communications</i> , 1989, 163, 627-634.	1.0	177
12	Sandwich-Type Germanotungstates: Structure and Magnetic Properties of the Dimeric Polyoxoanions [M ₄ (H ₂ O) ₂ (GeW ₉ O ₃₄) ₂] ¹²⁻ (M = Mn ²⁺ , Cu ²⁺ , Zn ²⁺ , Cd ²⁺). <i>Inorganic Chemistry</i> , 2004, 43, 2308-2317.	1.9	172
13	Structure and Magnetism of the Tetra-Copper(II)-Substituted Heteropolyanion [Cu ₄ K ₂ (H ₂ O) ₈ (A ₁ -AsW ₉ O ₃₃) ₂] ⁸⁻ . <i>Inorganic Chemistry</i> , 2004, 43, 144-154.	1.9	164
14	Magnetism, Electron Paramagnetic Resonance, Electrochemistry, and Mass Spectrometry of the Pentacopper(II)-Substituted Tungstosilicate [Cu ₅ (OH) ₄ (H ₂ O) ₂ (A ₁ -SiW ₉ O ₃₃) ₂] ¹⁰⁻ , A Model Five-Spin Frustrated Cluster. <i>Inorganic Chemistry</i> , 2005, 44, 9795-9806.	1.9	157
15	The Satellite-Shaped Co-15 Polyoxotungstate, [Co ₆ (H ₂ O) ₃₀ {Co ₉ Cl ₂ (OH) ₃ (H ₂ O) ₉ (² -SiW ₈ O ₃₁) ₃ }] ⁵⁻ . <i>Inorganic Chemistry</i> , 2005, 44, 2659-2665.	1.9	156
16	Nucleation Process in the Cavity of a Tungstophosphate Wheel Resulting in a Metal-Centre Iron Oxide Nanocluster. <i>Chemistry - A European Journal</i> , 2008, 14, 1186-1195.	1.7	150
17	Electronic Structure and Slow Magnetic Relaxation of Low-Coordinate Cyclic Alkyl(amino) Carbene Stabilized Iron(I) Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11964-11971.	6.6	145
18	Enhanced proton and electron reservoir abilities of polyoxometalate grafted on graphene for high-performance hydrogen evolution. <i>Energy and Environmental Science</i> , 2016, 9, 1012-1023.	15.6	138

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19	Magnetic Quantum Tunneling in the Single-Molecule Magnet Mn ₁₂ -Acetate. Journal of Low Temperature Physics, 2005, 140, 119-174.	0.6	131
20	Relaxation of the magnetization of Mn ₁₂ acetate. Physical Review B, 1998, 58, 330-338.	1.1	126
21	Effects of D-strain, g-strain, and dipolar interactions on EPR linewidths of the molecular magnets Fe ₈ and Mn ₁₂ . Physical Review B, 2001, 65, .	1.1	121
22	Switching-on Superparamagnetism in Mn/CdSe Quantum Dots. Journal of the American Chemical Society, 2006, 128, 2931-2939.	6.6	117
23	Detailed single-crystal EPR line shape measurements for the single-molecule magnets Fe ₈ and Mn ₁₂ acetate. Physical Review B, 2002, 65, .	1.1	115
24	Tailoring the Magnetic and Optical Characteristics of Nanocrystalline BiFeO ₃ by Ce Doping. Journal of the American Ceramic Society, 2012, 95, 1985-1992.	1.9	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.	1.0	105
26	Switchable electric polarization and ferroelectric domains in a metal-organic-framework. Npj Quantum Materials, 2016, 1, .	1.8	103
27	Observation of Symmetry Lowering and Electron Localization in the Doublet-States of a Spin-Frustrated Equilateral Triangular Lattice: Cu ₃ (O ₂ C ₁₆ H ₂₃) ₄ . Journal of the American Chemical Society, 2003, 125, 5270-5271.	6.6	96
28	Synthesis, Magnetic Characterization, and Sensing Applications of Novel Dextran-Coated Iron Oxide Nanorods. Chemistry of Materials, 2009, 21, 1761-1767.	3.2	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 ^V Ph) ₈ O ₃₂] ⁶⁻ and [Pd ^{II} ₁₃ Se ^{IV} ₈ O ₃₂] ⁶⁻ . Inorganic Chemistry, 2009, 48, 7504-7506.	1.9	82
31	Polyoxopalladates Encapsulating Yttrium and Lanthanide Ions, [X ^{III} Pd ^{II} ₁₂ (AsPh) ₈ O ₃₂] ⁵⁻ (X=Y, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). Chemistry - A European Journal, 2010, 16, 9076-9085.	1.7	81
32	Cr(IV) causes activation of nuclear transcription factor- β , DNA strand breaks and dG hydroxylation via free radical reactions. Journal of Inorganic Biochemistry, 1999, 75, 37-44.	1.5	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.	1.9	78
34	Cobalt, Manganese, Nickel, and Vanadium Derivatives of the Cyclic 48-Tungsto-8-Phosphate [H ₇ P ₈ W ₄₈ O ₁₈₄] ₃₃ ⁻ . Inorganic Chemistry, 2010, 49, 4949-4959.	1.9	77
35	Paramagnetic resonance, magnetic susceptibility, and antiferromagnetic exchange in a Cr ⁵⁺ paramagnet: Potassium perchromate (K ₃ CrO ₈). Journal of Chemical Physics, 1981, 74, 1916-1923.	1.2	74
36	Structural and Optical Properties of Nanocrystalline TiO ₂ with Multiwalled Carbon Nanotubes and Its Photovoltaic Studies Using Ru(II) Sensitizers. ACS Omega, 2018, 3, 2743-2756.	1.6	74

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37	Di-, Tri-, and Tetranuclear Nickel(II) Complexes with Oximate Bridges: Magnetism and Catecholase-like Activity of Two Tetranuclear Complexes Possessing Rhombic Topology. <i>Inorganic Chemistry</i> , 2013, 52, 11744-11757.	1.9	72
38	Synthesis of Cr(IV)-GSH, Its Identification and Its Free Hydroxyl Radical Generation: A Model Compound for Cr(VI) Carcinogenicity. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 54-58.	1.0	66
39	Dimethylammonium copper formate [(CH ₃) ₂ NH ₂] ₂ Cu(HCOO) ₃ : A metal-organic framework with quasi-one-dimensional antiferromagnetism and magnetostriction. <i>Physical Review B</i> , 2013, 87, .	1.1	62
40	Wheel-Shaped Cu ₂₀ -Tungstophosphate [Cu ₂₀ X(OH) ₂₄ (H ₂ O) ₁₂ (P ₈ W ₄₈ O ₁₈₄)] ₂₅ ·n H ₂ O (X = Cl, Br, I) and the Role of the Halide Guest. <i>Inorganic Chemistry</i> , 2009, 48, 11636-11645.	1.9	59
41	Role of dipolar and exchange interactions in the positions and widths of EPR transitions for the single-molecule magnets Fe ₈ and Mn ₁₂ . <i>Physical Review B</i> , 2002, 66, .	1.1	58
42	Synthesis and Characterization of the Dicopper(II)-Containing 22-Palladate(II) [Cu ₂ Pd ₂ O ₆](OH) ₂ ·nH ₂ O. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2639-2642.		
43	[Mo ₈ Pd ₁₂ L ₈] ⁿ⁺ (M =) Tj ETQq1 1 0.784314 rgBT /Overlook	1.9	58
44	Role of free radicals in the mechanisms of hemolysis and lipid peroxidation by silica: Comparative ESR and cytotoxicity studies. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1990, 29, 307-316.	1.1	56
45	High Resolution ¹⁵ N NMR of the 225 K Phase Transition of Ammonia Borane (NH ₃ BH ₃): A Mixed Order-Disorder and Displacive Behavior. <i>Journal of Physical Chemistry B</i> , 2007, 111, 677-681.	1.2	55
46	Probing the Local Site Environments in Mn:CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23305-23314.	1.5	48
47	Catalytic Aerobic Oxidation by a Trianionic Pincer Cr(III)/Cr(V) Couple. <i>Inorganic Chemistry</i> , 2009, 48, 10901-10903.	1.9	45
48	Multiphoton Coherent Manipulation in Large-Spin Qubits. <i>Physical Review Letters</i> , 2009, 102, 050501.	2.9	44
49	Fully Localized Mixed-Valence Oxidation Products of Molecules Containing Two Linked Dimolybdenum Units: An Effective Structural Criterion. <i>Journal of the American Chemical Society</i> , 2003, 125, 12945-12952.	6.6	43
50	3d Metal Ions in Highly Unusual Eight-Coordination: The Phosphate-Capped Dodecapalladate(II) Nanocube. <i>Chemistry - A European Journal</i> , 2012, 18, 6167-6171.	1.7	43
51	Origin of Antiferroelectricity in NH ₄ H ₂ PO ₄ from First Principles. <i>Physical Review Letters</i> , 2007, 98, 267601.	2.9	41
52	Electronic structure of a Mn ₁₂ molecular magnet: Theory and experiment. <i>Physical Review B</i> , 2007, 75, .	1.1	41
53	Presence of Stable Coal Radicals in Autopsied Coal Miners' Lungs and Its Possible Correlation to Coal Workers' Pneumoconiosis. <i>Archives of Environmental Health</i> , 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. <i>Journal of Inorganic Biochemistry</i> , 1996, 64, 25-35.	1.5	40

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55	Cr(κ^1 -Cl) as well as Cr ⁺ are stabilised between two cyclic alkyl amino carbenes. <i>Chemical Science</i> , 2015, 6, 3148-3153.	3.7	39
56	On Mn ²⁺ EPR Probing of the Ferroelectric Transition and Absence of Magnetoelectric Coupling in Dimethylammonium Manganese Formate (CH ₃) ₂ NH ₂ Mn(HCOO) ₃ , a Metal-Organic Complex with the Pb-Free Perovskite Framework. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28143-28147.	1.5	39
57	High-precision ³¹ P chemical shift measurements on KH ₂ PO ₄ -type crystals: role of electronic instability in the ferroelectric transition mechanism. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L231-L237.	0.7	37
58	Understanding Ferroelectricity in the Pb-Free Perovskite-Like Metal-Organic Framework [(CH ₃) ₂ NH] ₂ Zn(HCOO) ₃ : Dielectric, 2D NMR, and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6314-6322.	1.5	36
59	Polyoxoanion with Octahedral Germanium(IV) Hetero Atom: Synthesis, Structure, Magnetism, EPR, Electrochemistry and XPS Studies on the Mixed-Valence 14-Vanadogermanate [GeV ¹² V ²⁰ O ₄₀] ⁸⁻ . <i>Journal of Cluster Science</i> , 2006, 17, 143-165.	1.7	35
60	Novel Heteroatom-Linked Analogues of Trityl Radicals: Diaryl(benzotriazol-1-yl)methyl Radical Dimers. <i>Journal of Organic Chemistry</i> , 1998, 63, 1467-1472.	1.7	33
61	¹³ C NMR and relaxation studies of the nanomagnet Mn ₁₂ -acetate. <i>Physical Review B</i> , 2001, 64, .	1.1	33
62	Evidence of a ZnCr ₂ Se ₄ Spinel Inclusion at the Core of a Cr-Doped ZnSe Quantum Dot. <i>Journal of the American Chemical Society</i> , 2012, 134, 5577-5585.	6.6	33
63	Hydrogen evolution reaction from bare and surface-functionalized few-layered MoS ₂ nanosheets in acidic and alkaline electrolytes. <i>Materials Today Chemistry</i> , 2019, 14, 100207.	1.7	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. <i>Analytical Chemistry</i> , 2015, 87, 2306-2313.	3.2	31
65	Magic angle spinning NMR on single crystals as a new aid in characterizing phase transitions: application to squaric acid. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 651-656.	1.1	29
66	Excited-state X-band EPR in a molecular cluster nanomagnet. <i>Physical Review B</i> , 2001, 63, .	1.1	29
67	Slater and Takagi defects in KH ₂ PO ₄ from first principles. <i>Physical Review B</i> , 2005, 72, .	1.1	28
68	Completing the series of Group VI heterotrimetallic M ₂ Cr(dpa) ₄ Cl ₂ (M ₂ = Cr ₂ , Mo ₂ , MoW and W ₂) compounds and investigating their metal-metal interactions using density functional theory. <i>Inorganica Chimica Acta</i> , 2015, 424, 241-247.	1.2	28
69	Understanding the gap in polyoxovanadate molecule-based magnets. <i>Physical Review B</i> , 2006, 74, .	1.1	27
70	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 893-897.	3.0	27
71	Esr Spin Trapping and Cytotoxicity Investigations of Freshly Fractured Quartz: Mechanism of Acute Silicosis. <i>Free Radical Research Communications</i> , 1990, 9, 259-266.	1.8	26
72	K ₃ CrO ₈ in K ₃ NbO ₈ as a Proposed Standard for g-Factor, Spin Concentration, and Field Calibration in High-Field EPR Spectroscopy. <i>Analytical Chemistry</i> , 1999, 71, 1951-1957.	3.2	26

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73	Potassium perchromate standard for determination of paramagnetic spin concentration, g values, and magnetic moments of fossil fuels. <i>Analytical Chemistry</i> , 1981, 53, 938-940.	3.2	25
74	Fe ^{III} -Containing Tungsto ^{VI} -Phosphate: Synthesis, Structure, Magnetism and Electrochemistry. <i>Chemistry - A European Journal</i> , 2020, 26, 15821-15824.	1.7	25
75	Alloy Formation at the Tetrapod Core/Arm Interface. <i>Nano Letters</i> , 2012, 12, 3132-3137.	4.5	24
76	Enhancing the Magnetic Anisotropy of Linear Cr(II) Chain Compounds Using Heavy Metal Substitutions. <i>Inorganic Chemistry</i> , 2016, 55, 6376-6383.	1.9	24
77	Magnetic field-temperature phase diagram of multiferroic Mn^{12} -acetate. <i>Physical Review B</i> , 2017, 96, .		
78	Diffuse optical excitations in Mn ¹² -acetate. <i>Physical Review B</i> , 2002, 65, .	1.1	23
79	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. <i>Inorganic Chemistry</i> , 2019, 58, 14939-14980.	1.9	23
80	A multifrequency-resonator-based system for high-sensitivity high-field EPR investigations of small single crystals. <i>Applied Magnetic Resonance</i> , 1999, 16, 237-245.	0.6	22
81	Magnetic field effects on the far-infrared absorption in Mn ¹² -acetate. <i>Physical Review B</i> , 2001, 63, .	1.1	22
82	Semiconductive and photoconductive properties of the single-molecule magnets Mn ¹² -acetate and Fe ₈ Br ₈ . <i>Physical Review B</i> , 2003, 67, .	1.1	22
83	On the formation of oxygenated radicals by fredericamycin A and implications to its anticancer activity: an ESR investigation. <i>Biochemistry</i> , 1989, 28, 748-750.	1.2	21
84	Electron paramagnetic resonance linewidths and line shapes for the molecular magnets Fe ₈ and Mn ₁₂ . <i>Journal of Applied Physics</i> , 2002, 91, 7167.	1.1	21
85	ac susceptibility and NMR observation of a deuterium isotope effect in the magnetization dynamics of the Mn ¹² -acetate nanomagnet. <i>Physical Review B</i> , 2003, 67, .	1.1	21
86	Synthesis, Detailed Characterization, and Theoretical Understanding of Mononuclear Chromium(III)-Containing Polyoxotungstates [Cr ^{III} (HXVW ₇ O ₂₈) ₂] ¹³⁻ (X = P, As) with Exceptionally Large Magnetic Anisotropy. <i>Inorganic Chemistry</i> , 2014, 53, 9274-9283.	1.9	20
87	Molecular dynamics and the phase transition in the naphthalene-tetracyanobenzene charge-transfer complex as studied by ¹ H NMR and triplet state EPR. <i>Journal of Chemical Physics</i> , 1981, 74, 1526-1533.	1.2	19
88	Low-frequency Raman modes of the single-molecule magnets Mn ¹² -acetate and Fe ₈ Br ₈ and their analogs. <i>Physical Review B</i> , 2002, 66, .	1.1	19
89	High-field electron paramagnetic resonance as a microscopic probe of anisotropic strain at Mn ²⁺ sites in CdSe:Mn ²⁺ quantum dots. <i>Chemical Physics Letters</i> , 2012, 524, 73-77.	1.2	19
90	High Field MAS NMR and Conductivity Study of the Superionic Conductor LiH ₂ PO ₄ : Critical Role of Physisorbed Water in Its Protonic Conductivity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13387-13393.	1.5	19

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91	Mixed-Valence 24-Vanadophosphate Decorated with Six Rull(dmsO)3 Groups: $[Rull_3(dmsO)_9PVW_{11}VIVRull_{10}O_{37}(OH)_3]_2 \cdot 8H_2O$. Journal of Cluster Science, 2008, 19, 259-273.	1.7	18
92	Low-temperature spin dynamics in the kagome system $\langle \mathbb{R} \rangle$. Physical Review B, 2010, 81, .	1.1	17
93	Phonon mode links ferroicities in multiferroic $\langle \mathbb{R} \rangle$. Physical Review B, 2017, 96, .	1.1	17
94	15-Copper(II)-containing 36-tungsto-4-silicates $[Cu_{15}O_{20}(OH)_{10}X(A_{1\pm}SiW_9O_{34})_4]_{25} \cdot 17H_2O$ Dalton Transactions, 2018, 47, 12439-12448.	1.6	17
95	Proton glass state in $Rb_{1-x}(NH_4)_xH_2AsO_4$. Ferroelectrics, 1988, 79, 335-338.	0.3	16
96	Three-dimensional antiferromagnetism in triamminodiperoxychromate, $Cr(NH_3)_3(O_2)_2$: a precursor to a new class of Cr(IV) magnets. Solid State Communications, 2001, 119, 597-601.	0.9	16
97	High Resolution NMR Evidence for Displacive Behavior in Hydrogen-Bonded Ferroelectrics and Antiferroelectrics. Ferroelectrics, 2006, 337, 3-12.	0.3	15
98	A high-frequency EPR characterization of the S=2 linear tri-atomic chain in $Cr_3(dpa)_4Cl_2 \cdot CH_2Cl_2$. Polyhedron, 2011, 30, 3058-3061.	1.0	15
99	Structure-Property Relations in Multiferroic $[(CH_3)_2NH]_2M(HCOO)_3$ ($M = Mn, Co, Ni$). Inorganic Chemistry, 2018, 57, 11569-11577.	1.9	15
100	Developing the Pressure-Temperature-Magnetic Field Phase Diagram of Multiferroic $[(CH_3)_2NH]_2Mn(HCOO)_3$. Inorganic Chemistry, 2020, 59, 10083-10090.	1.9	15
101	DNA mismatch repair protein Mlh1 is required for tetravalent chromium intermediate-induced DNA damage. Oncotarget, 2017, 8, 83975-83985.	0.8	15
102	Spin-vibrational coupling in the far-infrared spectrum of Mn_{12} -acetate. Physical Review B, 2002, 66, .	1.1	14
103	The usefulness of EPR spectroscopy in the study of compounds with metal-metal multiple bonds. Dalton Transactions, 2014, 43, 8565-8576.	1.6	14
104	Esr spin trapping evidence for SO_3^- and $\cdot OH$ radicals in sulfite oxidation. Research on Chemical Intermediates, 1990, 13, 103-115.	1.3	13
105	Characterization of Pt^{IV} -containing polyoxometalates by high-resolution solid-state ^{195}Pt and ^{51}V NMR spectroscopy. New Journal of Chemistry, 2016, 40, 923-927.	1.4	13
106	Order-Disorder and Displacive Behavior of the Cation (NH_4^+) Sites in the Hydrogen-Bonded Antiferroelectric $NH_4H_2AsO_4$: ^{15}N NMR Evidence. Ferroelectrics, 2006, 337, 153-160.	0.3	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.	6.6	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.	1.5	12

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109	Evidence from 900 MHz ¹ H MAS NMR of Displacive Behavior of the Model Order-Disorder Antiferroelectric NH ₄ H ₂ AsO ₄ . Journal of Physical Chemistry C, 2015, 119, 5013-5019.	1.5	12
110	Efficient synthesis and tailoring of magnetic and dielectric properties of Pb-free perovskite-like ABX ₃ metal-organic frameworks. Physica Status Solidi - Rapid Research Letters, 2016, 10, 600-605.	1.2	12
111	CrIII-Substituted Heteropoly-16-Tungstates [CrIII ₂ (B-XIVW ₈ O ₃₁) ₂] ¹⁴⁻ (X = Si, Ge): Magnetic, Biological, and Electrochemical Studies. Inorganic Chemistry, 2016, 55, 10936-10946.	1.9	11
112	Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots. Chemistry of Materials, 2018, 30, 8446-8456.	3.2	11
113	NH ₃ as a paramagnetic probe of molecular motion: Application to phase transitions in (NH ₄) ₂ SO ₄ type solids. Journal of Chemical Physics, 1986, 85, 6060-6067.	1.2	10
114	Amphiphilic copolymers of glycidol with nonpolar epoxide comonomers. Journal of Applied Polymer Science, 2001, 82, 2290-2299.	1.3	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 Re ₂ ⁷⁺ Units Surrounded by an Unsymmetrical Bicyclic Guanidinate. Inorganic Chemistry, 2012, 51, 5257-5263.	1.9	10
117	Increasing ¹³ C CP-MAS NMR Resolution Using Single Crystals: Application to Model Octaethyl Porphyrins. Journal of Physical Chemistry B, 2012, 116, 9215-9222.	1.2	10
118	Incorporation of Transition-Metal Ions Guests (Co ²⁺ , Ni ²⁺ , Cu ²⁺ , Zn ²⁺) into the Ti ₂ -Containing 18-Tungsto- ϵ -arsenate(III) Monolacunary Host. European Journal of Inorganic Chemistry, 2016, 2016, 5519-5529.	1.0	10
119	Measuring Motional Dynamics of [(CH ₃) ₂ NH ₂] ⁺ in the Perovskite-Like Metal-Organic Framework [(CH ₃) ₂ NH ₂] ₂ [Zn(HCOO) ₃]: The Value of Low-Frequency Electron Paramagnetic Resonance. Journal of Physical Chemistry C, 2018, 122, 16431-16436.	1.5	10
120	Endor detection of charge density redistribution accompanying the ferroelectric transition in KH ₂ PO ₄ . Ferroelectrics, 1992, 135, 227-236.	0.3	9
121	Spinning crystals leads to significant enhancement in ¹³ C spectral resolution in MAS experiments on organic compounds: a new aid in studying phase transitions. Solid State Nuclear Magnetic Resonance, 1997, 9, 85-89.	1.5	9
122	Bisquaric Acid: An Unusual Solid State NMR, Electronic Structure, and a Predicted Order-Disorder Transition. Journal of Physical Chemistry A, 2001, 105, 8926-8930.	1.1	9
123	Probing the Dielectric Transition and Molecular Dynamics in the Metal-Organic Framework [(CH ₃) ₃ NH ₂] ₂ [Mg(HCOO) ₃] Using High Resolution NMR. Journal of Physical Chemistry C, 2021, 125, 3441-3450.	1.5	9
124	Incommensurate transverse anisotropy induced by disorder and spin-orbit-vibron coupling in Mn ₁₂ acetate. Journal of Applied Physics, 2005, 97, 10M505.	1.1	8
125	Inhomogeneous magnetic cluster states in the magnetoresistance material $Lu_{1-x}Mn_2O_8$ Physical Review B, 2010, 82, .	1.1	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.	1.4	7

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