

Joshua Telser

List of Publications by Year in descending order

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184
papers

20,128
citations

29994

54
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10708

138
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202
all docs

202
docs citations

202
times ranked

26028
citing authors

#	ARTICLE	IF	CITATIONS
1	Free radicals and antioxidants in normal physiological functions and human disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 44-84.	1.2	10,891
2	Role of oxygen radicals in DNA damage and cancer incidence. <i>Molecular and Cellular Biochemistry</i> , 2004, 266, 37-56.	1.4	1,387
3	Multi-frequency, high-field EPR as a powerful tool to accurately determine zero-field splitting in high-spin transition metal coordination complexes. <i>Coordination Chemistry Reviews</i> , 2006, 250, 2308-2324.	9.5	326
4	Slow magnetic relaxation in the tetrahedral cobalt(II) complexes [Co(EPh) ₄] ²⁻ (EO, S, Se). <i>Polyhedron</i> , 2013, 64, 209-217.	1.0	205
5	EPR Spectra from "EPR-Silent" Species: High-Field EPR Spectroscopy of Manganese(III) Porphyrins. <i>Journal of the American Chemical Society</i> , 1997, 119, 8722-8723.	6.6	142
6	Synthesis and characterization of DNA oligomers and duplexes containing covalently attached molecular labels: comparison of biotin, fluorescein, and pyrene labels by thermodynamic and optical spectroscopic measurements. <i>Journal of the American Chemical Society</i> , 1989, 111, 6966-6976.	6.6	141
7	¹⁷ O ENDOR Detection of a Solvent-Derived Ni ²⁺ (OHx)-Fe Bridge That Is Lost upon Activation of the Hydrogenase from <i>Desulfovibrio gigas</i> . <i>Journal of the American Chemical Society</i> , 2002, 124, 281-286.	6.6	132
8	The Metal Centers of Particulate Methane Monooxygenase from <i>Methylosinus trichosporium</i> OB3b. <i>Biochemistry</i> , 2008, 47, 6793-6801.	1.2	130
9	Crystal Structure and Characterization of Particulate Methane Monooxygenase from <i>Methylocystis</i> species Strain M. <i>Biochemistry</i> , 2011, 50, 10231-10240.	1.2	130
10	High-Frequency and -Field Electron Paramagnetic Resonance of High-Spin Manganese(III) in Porphyrinic Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 6121-6129.	1.9	129
11	Proton NMR assignment and melting temperature study of cis-syn and trans-syn thymine dimer containing duplexes of d(CGTATTATGC).cndot.d(GCATAATACC). <i>Biochemistry</i> , 1990, 29, 8858-8866.	1.2	122
12	EPR Spectra from "EPR-Silent" Species: High-Frequency and High-Field EPR Spectroscopy of Pseudotetrahedral Complexes of Nickel(II). <i>Inorganic Chemistry</i> , 2002, 41, 4478-4487.	1.9	117
13	High-Frequency and -Field EPR Spectroscopy of Tris(2,4-pentanedionato)manganese(III): Investigation of Solid-State versus Solution Jahn-Teller Effects. <i>Inorganic Chemistry</i> , 2003, 42, 4610-4618.	1.9	107
14	Definitive Spectroscopic Determination of Zero-Field Splitting in High-Spin Cobalt(II). <i>Journal of the American Chemical Society</i> , 2004, 126, 2148-2155.	6.6	107
15	Tunable-frequency high-field electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2006, 178, 174-183.	1.2	101
16	Reinvestigation of the electronic and magnetic properties of ruthenium butyrate chloride. <i>Inorganic Chemistry</i> , 1984, 23, 3114-3120.	1.9	99
17	pH dependence of relaxivities and hydration numbers of gadolinium(III) complexes of linear amino carboxylates. <i>Inorganic Chemistry</i> , 1990, 29, 4468-4473.	1.9	99
18	Triangular, Ferromagnetically-Coupled CuII ₃ Pyrazolato Complexes as Possible Models of Particulate Methane Monooxygenase (pMMO). <i>Inorganic Chemistry</i> , 2003, 42, 5801-5803.	1.9	95

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19	Metalloenzyme Active-Site Structure and Function through Multifrequency CW and Pulsed ENDOR. <i>Biological Magnetic Resonance</i> , 1993, , 151-218.	0.4	95
20	Synthesis, Characterization, and Physicochemical Properties of Manganese(III) and Manganese(V) Oxo Corrolazines. <i>Inorganic Chemistry</i> , 2005, 44, 4485-4498.	1.9	94
21	An Example of O ₂ Binding in a Cobalt(II) Corrole System and High-Valent Cobalt(IV) Cyano and Cobalt(IV) Alkynyl Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 2515-2525.	6.6	93
22	Electronic Structure of Four-Coordinate C_{3v} Nickel(II) Scorpionate Complexes: An Investigation by High-Frequency and -Field Electron Paramagnetic Resonance and Electronic Absorption Spectroscopies. <i>Inorganic Chemistry</i> , 2006, 45, 8930-8941.	1.9	93
23	Frequency-domain magnetic resonance spectroscopy of molecular magnetic materials. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3837-3843.	1.3	92
24	A Multinuclear ENDOR Study of the C-Cluster in CO Dehydrogenase from <i>Clostridium thermoaceticum</i> : Evidence for H ₂ O and Histidine Coordination to the [Fe ₄ S ₄] Center. <i>Journal of the American Chemical Society</i> , 1998, 120, 8767-8776.	6.6	91
25	pH Dependence of relaxivities and hydration numbers of gadolinium(III) complexes of macrocyclic amino carboxylates. <i>Inorganic Chemistry</i> , 1992, 31, 5597-5600.	1.9	90
26	Quantitative dependence of MR signal intensity on tissue concentration of Gd(HP-DO3A) in the nephrectomized rat. <i>Magnetic Resonance Imaging</i> , 1992, 10, 97-108.	1.0	89
27	Characterization of the Particulate Methane Monooxygenase Metal Centers in Multiple Redox States by X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2006, 45, 8372-8381.	1.9	89
28	EPR Spectra from a Silent Species: High-Field EPR Spectroscopy of Aqueous Chromium(II). <i>Inorganic Chemistry</i> , 1998, 37, 5769-5775.	1.9	85
29	Design, Isolation, and Spectroscopic Analysis of a Tetravalent Terbium Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 13222-13233.	6.6	80
30	AirSR, a [2Fe-2S] Cluster-Containing Two-Component System, Mediates Global Oxygen Sensing and Redox Signaling in <i>Staphylococcus aureus</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 305-314.	6.6	78
31	Electronic Structures of Octahedral Ni(II) Complexes with Click-Derived Triazole Ligands: A Combined Structural, Magnetometric, Spectroscopic, and Theoretical Study. <i>Inorganic Chemistry</i> , 2013, 52, 6880-6892.	1.9	78
32	A Planar Three-Coordinate Vanadium(II) Complex and the Study of Terminal Vanadium Nitrides from N ₂ : A Kinetic or Thermodynamic Impediment to N≡N Bond Cleavage?. <i>Journal of the American Chemical Society</i> , 2012, 134, 13035-13045.	6.6	77
33	⁵⁷ Fe ENDOR Spectroscopy and Electron Inventory Analysis of the Nitrogenase E ₄ Intermediate Suggest the Metal-Ion Core of FeMo-Cofactor Cycles Through Only One Redox Couple. <i>Journal of the American Chemical Society</i> , 2011, 133, 17329-17340.	6.6	75
34	DNA duplexes covalently labeled at two sites: synthesis and characterization by steady-state and time-resolved optical spectroscopies. <i>Journal of the American Chemical Society</i> , 1989, 111, 7226-7232.	6.6	74
35	High-frequency and high-field electron paramagnetic resonance (HF-EPR): a new spectroscopic tool for bioinorganic chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 297-318.	1.1	74
36	Role of Radicals and Singlet Oxygen in Photoactivated DNA Cleavage by the Anticancer Drug Camptothecin: An Electron Paramagnetic Resonance Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2415-2425.	1.2	70

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37	Targeted Guanine Oxidation by a Dinuclear Copper(II) Complex at Single Stranded/Double Stranded DNA Junctions. <i>Inorganic Chemistry</i> , 2006, 45, 7144-7159.	1.9	70
38	Role of the [Fe ₄ S ₄] Cluster in Mediating Disulfide Reduction in Spinach Ferredoxin:Thioredoxin Reductase. <i>Biochemistry</i> , 1998, 37, 4612-4620.	1.2	68
39	DNA oligomers and duplexes containing a covalently attached derivative of tris(2,2'-bipyridine)ruthenium(II): synthesis and characterization by thermodynamic and optical spectroscopic measurements. <i>Journal of the American Chemical Society</i> , 1989, 111, 7221-7226.	6.6	67
40	Cobalt(II) μ -Scorpionate μ -Complexes as Models for Cobalt-Substituted Zinc Enzymes: Electronic Structure Investigation by High-Frequency and -Field Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 5241-5253.	6.6	66
41	Biochemical and Spectroscopic Studies of the Electronic Structure and Reactivity of a Methyl μ -Ni Species Formed on Methyl-Coenzyme M Reductase. <i>Journal of the American Chemical Society</i> , 2007, 129, 11030-11032.	6.6	65
42	High-frequency and -field electron paramagnetic resonance of vanadium(IV, III, and II) complexes. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 123-133.	9.5	65
43	Evidence for N coordination to Fe in the [2Fe-2S] center in yeast mitochondrial complex III Comparison with similar findings for analogous bacterial [2Fe-2S] proteins. <i>FEBS Letters</i> , 1987, 214, 117-121.	1.3	64
44	On the Assignment of Nickel Oxidation States of the Ox ¹ , Ox ² Forms of Methyl μ -Coenzyme M Reductase. <i>Journal of the American Chemical Society</i> , 2000, 122, 182-183.	6.6	64
45	Pseudooctahedral Complexes of Vanadium(III): μ Electronic Structure Investigation by Magnetic and Electronic Spectroscopy. <i>Inorganic Chemistry</i> , 2004, 43, 5645-5658.	1.9	64
46	Intermolecular C-H bond activation of benzene and pyridines by a vanadium(III) alkylidene including a stepwise conversion of benzene to a vanadium-benzynes complex. <i>Chemical Science</i> , 2010, 1, 351.	3.7	64
47	Cryoreduction of Methyl-Coenzyme M Reductase: μ EPR Characterization of Forms, MCRox1 and MCRred1. <i>Journal of the American Chemical Society</i> , 2001, 123, 5853-5860.	6.6	61
48	High-Frequency and Field EPR Investigation of (8,12-Diethyl-2,3,7,13,17,18-hexamethylcorrolato)manganese(III). <i>Journal of the American Chemical Society</i> , 2001, 123, 7890-7897.	6.6	60
49	Copper(II) Complexes with Schiff Bases Containing a Disiloxane Unit: Synthesis, Structure, Bonding Features and Catalytic Activity for Aerobic Oxidation of Benzyl Alcohol. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1458-1474.	1.0	58
50	Unsymmetrical Fe ^{III} Co ^{II} and Ga ^{III} Co ^{II} Complexes as Chemical Hydrolases: Biomimetic Models for Purple Acid Phosphatases (PAPs). <i>Inorganic Chemistry</i> , 2009, 48, 7905-7921.	1.9	57
51	Family of V(III)-Trithiolato Complexes Relevant to Functional Models of Vanadium Nitrogenase: Synthesis and Electronic Structure Investigations by Means of High-Frequency and -Field Electron Paramagnetic Resonance Coupled to Quantum Chemical Computations.. <i>Inorganic Chemistry</i> , 2010, 49, 977-988.	1.9	57
52	Measuring giant anisotropy in paramagnetic transition metal complexes with relevance to single-ion magnetism. <i>Dalton Transactions</i> , 2016, 45, 16751-16763.	1.6	57
53	Correction: Reinvestigation of the Electronic and Magnetic Properties of Ruthenium Butyrate Chloride. <i>Inorganic Chemistry</i> , 1985, 24, 4765-4765.	1.9	56
54	Reactivity Studies of a Masked Three μ -Coordinate Vanadium(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9871-9875.	7.2	56

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55	Low-Spin Hexacoordinate Mn(III): Synthesis and Spectroscopic Investigation of Homoleptic Tris(pyrazolyl)borate and Tris(carbene)borate Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 144-159.	1.9	55
56	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Non-Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9387-9391.	7.2	53
57	EPR Study of Substrate Binding to the Mn(II) Active Site of the Bacterial Antibiotic Resistance Enzyme FosA: A Better Way To Examine Mn(II). <i>Journal of the American Chemical Society</i> , 2002, 124, 2318-2326.	6.6	52
58	Near-infrared E_g and visible LMCT luminescence from a molecular bis-(tris(carbene)borate) manganese(IV) complex. <i>Canadian Journal of Chemistry</i> , 2017, 95, 547-552.	0.6	52
59	High frequency and field EPR spectroscopy of Mn(III) complexes in frozen solutions. <i>Journal of Magnetic Resonance</i> , 2003, 162, 454-465.	1.2	51
60	Molecular geometry of vanadyl-adenine nucleotide complexes determined by EPR, ENDOR, and molecular modeling. <i>Journal of the American Chemical Society</i> , 1992, 114, 6219-6226.	6.6	49
61	Direct Observation of Fine Structure Transitions in a Paramagnetic Nickel(II) Complex Using Far-Infrared Magnetic Spectroscopy: A New Method for Studying High-Spin Transition Metal Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 1788-1790.	1.9	49
62	The Copper Chelator Methanobactin from <i>Methylosinus trichosporium</i> OB3b Binds Copper(I). <i>Journal of the American Chemical Society</i> , 2005, 127, 17142-17143.	6.6	49
63	Synthesis, Crystal Structure, and High-Precision High-Frequency and -Field Electron Paramagnetic Resonance Investigation of a Manganese(III) Complex: $[Mn(dbm)_2(py)_2](ClO_4)$. <i>Inorganic Chemistry</i> , 2005, 44, 187-196.	1.9	48
64	Simulating Frequency-Domain Electron Paramagnetic Resonance: Bridging the Gap between Experiment and Magnetic Parameters for High-Spin Transition-Metal Ion Complexes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13816-13824.	1.2	47
65	Investigation by EPR and ENDOR Spectroscopy of the Nickel(I) Form of Cofactor F4301 of <i>Methanobacterium thermoautotrophicum</i> and of Nickel(I) Octaethylisobacteriochlorin. <i>Journal of the American Chemical Society</i> , 1997, 119, 733-743.	6.6	45
66	Trinuclear, Antiferromagnetically Coupled Cu(I) Complex with an EPR Spectrum of Mononuclear Cu(I): Effect of Alcoholic Solvents. <i>Inorganic Chemistry</i> , 2006, 45, 8841-8843.	1.9	45
67	Cyanide Binding to the Novel 4Fe Ferredoxin from <i>Pyrococcus furiosus</i> : Investigation by EPR and ENDOR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1995, 117, 5133-5140.	6.6	44
68	Syntheses, Electronic Structures, and EPR/UV-Vis/NIR Spectroelectrochemistry of Nickel(II), Copper(II), and Zinc(II) Complexes with a Tetradentate Ligand Based on S-Methylisothiosemicarbazide. <i>Inorganic Chemistry</i> , 2011, 50, 2918-2931.	1.9	43
69	Ferromagnetic versus Antiferromagnetic Exchange in Five Structurally Analogous Carboxylate-Bridged Trinuclear Ferrous Complexes. <i>Inorganic Chemistry</i> , 1995, 34, 3011-3024.	1.9	42
70	An Electron Paramagnetic Resonance Study of $Mn_2(H_2O)(OAc)_4(tmeda)_2(tmeda)$. <i>Inorganic Chemistry</i> , 2000, 39, 3379-3385.	1.9	42
71	Simple Ligand-Field Theory of d_4 and d_6 Transition Metal Complexes with a C_3 Symmetry Axis. <i>Inorganic Chemistry</i> , 2012, 51, 6000-6010.	1.9	41
72	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 4751-4768.	1.9	41

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73	High-frequency/high-field EPR spectroscopy of the high-spin ferrous ion in hexaaqua complexes. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S130-S139.	1.1	40
74	Homoleptic Imidophosphorane Stabilization of Tetravalent Cerium. <i>Inorganic Chemistry</i> , 2019, 58, 5289-5304.	1.9	40
75	Structural and spectroscopic characterization of an Fe(VI) bis(imido) complex. <i>Science</i> , 2020, 370, 356-359.	6.0	40
76	High-Frequency and -Field EPR Investigation of a Manganese(III) N-Confused Porphyrin Complex, [Mn(NCTPP)(py) ₂]. <i>Inorganic Chemistry</i> , 2005, 44, 4451-4453.	1.9	39
77	A Family of Cyanide-Bridged Molecular Squares: Structural and Magnetic Properties of [MIIICl ₂] ₂ {Coll(triphos)(CN) ₂ } ₂ ·xCH ₂ Cl ₂ , M = Mn, Fe, Co, Ni, Zn. <i>Inorganic Chemistry</i> , 2008, 47, 2074-2082.	1.9	39
78	Synthesis and spectroscopic investigations of four-coordinate nickel complexes supported by a strongly donating scorpionate ligand. <i>Inorganica Chimica Acta</i> , 2009, 362, 4449-4460.	1.2	39
79	Spectroscopic Detection and Theoretical Confirmation of the Role of Cr ₂ (CO) ₅ (C ₅ R ₅) ₂ and λ -Cr(CO) ₂ (ketene)(C ₅ R ₅) as Intermediates in Carbonylation of NNCHSiMe ₃ to OCCHSiMe ₃ by λ -Cr(CO) ₃ (C ₅ R ₅) (R = H, CH ₃). <i>Journal of the American Chemical Society</i> , 2007, 129, 14388-14400.	6.6	38
80	Selectivity of tungsten mediated dinitrogen splitting <i>vs.</i> proton reduction. <i>Chemical Science</i> , 2019, 10, 10275-10282.	3.7	38
81	High-Frequency and -Field EPR of a Pseudo-octahedral Complex of High-Spin Fe(II): λ -Bis(2,2'-bi-2-thiazoline)bis(isothiocyanato)iron(II). <i>Journal of the American Chemical Society</i> , 2004, 126, 6574-6575.	6.6	36
82	Cooperative Activation of CO ₂ and Epoxide by a Heterobinuclear Al ^{III} -Fe Complex via Radical Pair Mechanisms. <i>Journal of the American Chemical Society</i> , 2022, 144, 3210-3221.	6.6	36
83	Spectroscopic and Computational Characterization of the Base-off Forms of Cob(II)alamin. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5245-5254.	1.2	35
84	Ruthenium-nitrosyl complexes as NO-releasing molecules, potential anticancer drugs, and photoswitches based on linkage isomerism. <i>Dalton Transactions</i> , 2022, 51, 5367-5393.	1.6	35
85	Nickel in F430. , 1998, , 31-63.		34
86	Multifrequency EPR Spectra of Molecular Oxygen in Solid Air. <i>Journal of Magnetic Resonance</i> , 2000, 146, 375-378.	1.2	34
87	Probing the Reaction Mechanism of Spore Photoproduct Lyase (SPL) via Diastereoselectively Labeled Dinucleotide SP TpT Substrates. <i>Journal of the American Chemical Society</i> , 2011, 133, 10434-10447.	6.6	34
88	Advanced paramagnetic resonance spectroscopies of iron ^{II} -sulfur proteins: Electron nuclear double resonance (ENDOR) and electron spin echo envelope modulation (ESEEM). <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1370-1394.	1.9	34
89	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). <i>Inorganic Chemistry</i> , 2015, 54, 10380-10397.	1.9	34
90	Reactions of rhodium trifluoroacetate with various Lewis bases. Formation of 4:1 complexes with pyridine and tert-butyl isocyanide and bond cleavage with phosphorus donors. <i>Inorganic Chemistry</i> , 1984, 23, 2599-2606.	1.9	32

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91	High-frequency and -field electron paramagnetic resonance of high-spin manganese(III) in tetrapyrrole complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 1113-1127.	2.0	32
92	Toward Functional Ni-SOD Biomimetics: Achieving a Structural/Electronic Correlation with Redox Dynamics. <i>Inorganic Chemistry</i> , 2011, 50, 9216-9218.	1.9	32
93	A Radical Transfer Pathway in Spore Photoprodut Lyase. <i>Biochemistry</i> , 2013, 52, 3041-3050.	1.2	32
94	Accessing Ni(III)-Thiolate Versus Ni(II)-Thiyl Bonding in a Family of Ni ²⁺ S ₂ Synthetic Models of NiSOD. <i>Inorganic Chemistry</i> , 2015, 54, 3815-3828.	1.9	32
95	High-frequency and -field electron paramagnetic resonance of transition metal ion (d block) coordination complexes. <i>Electron Paramagnetic Resonance</i> , 2012, , 209-263.	0.2	31
96	Mechanistic Studies of the Spore Photoprodut Lyase via a Single Cysteine Mutation. <i>Biochemistry</i> , 2012, 51, 7173-7188.	1.2	31
97	Spin trapping of a cobalt-dioxygen complex. <i>Journal of the American Chemical Society</i> , 1984, 106, 5353-5355.	6.6	30
98	Rhodospirillum rubrum CO-Dehydrogenase. Part 2. Spectroscopic Investigation and Assignment of Spin ² Spin Coupling Signals. <i>Journal of the American Chemical Society</i> , 1999, 121, 11045-11057.	6.6	30
99	A perspective on applications of ligand-field analysis: inspiration from electron paramagnetic resonance spectroscopy of coordination complexes of transition metal ions. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1501-1515.	0.6	30
100	A Planar Carboxylate-Rich Tetrairon(II) Complex and Its Conversion to Linear Triiron(II) and Paddlewheel Diiron(II) Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 10754-10770.	1.9	30
101	Observation of a Photogenerated Rh ₂ Nitrenoid Intermediate in C-H Amination. <i>Journal of the American Chemical Society</i> , 2018, 140, 10412-10415.	6.6	30
102	High Spin Co(I): High-Frequency and -Field EPR Spectroscopy of CoX(PPh ₃) ₃ (X) Tj ETQq000 rgBTj/Overlock	1.9	29
103	Charge and Spin States in Schiff Base Metal Complexes with a Disiloxane Unit Exhibiting a Strong Noninnocent Ligand Character: Synthesis, Structure, Spectroelectrochemistry, and Theoretical Calculations. <i>Inorganic Chemistry</i> , 2015, 54, 5691-5706.	1.9	29
104	Site Valencies and Spin Coupling in the 3Fe and 4Fe (S= 1/2) Clusters of Pyrococcus furiosus Ferredoxin by ⁵⁷ Fe ENDOR. <i>Journal of the American Chemical Society</i> , 1998, 120, 861-870.	6.6	28
105	Electronic Structure of Nickel(II) and Zinc(II) Borohydrides from Spectroscopic Measurements and Computational Modeling. <i>Inorganic Chemistry</i> , 2012, 51, 2793-2805.	1.9	28
106	Determination by High-Frequency and -Field EPR of Zero-Field Splitting in Iron(IV) Oxo Complexes: Implications for Intermediates in Nonheme Iron Enzymes. <i>Inorganic Chemistry</i> , 2008, 47, 3483-3485.	1.9	27
107	Tuning Magnetic Anisotropy Through Ligand Substitution in Five-Coordinate Co(II) Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 5253-5265.	1.9	27
108	Interaction of Tl ⁺ and Cs ⁺ with the [Fe ₃ S ₄] Cluster of Pyrococcus furiosus Ferredoxin: Investigation by Resonance Raman, MCD, EPR, and ENDOR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1994, 116, 5722-5729.	6.6	26

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109	Formation and Reactivity of the Terminal Vanadium Nitride Functionality. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3916-3929.	1.0	26
110	Enzyme Control of Small-Molecule Coordination in FosA as Revealed by ³¹ P Pulsed ENDOR and ESE-EPR. <i>Journal of the American Chemical Society</i> , 2005, 127, 8310-8319.	6.6	25
111	Vanadocene <i>de Novo</i> : Spectroscopic and Computational Analysis of Bis(η ⁵ -cyclopentadienyl)vanadium(II). <i>Organometallics</i> , 2012, 31, 8265-8274.	1.1	25
112	Synthesis of Co ^{II} –NO ⁺ Complexes and Their Reactivity as a Source of Nitroxyl. <i>Journal of the American Chemical Society</i> , 2016, 138, 12459-12471.	6.6	25
113	Action of strong acids on M ₂ (O ₂ CR) ₄ species. <i>Inorganic Chemistry</i> , 1984, 23, 1798-1803.	1.9	24
114	Spin relaxation in a ferromagnetically coupled triangular Cu ₃ complex. <i>Chemical Physics Letters</i> , 2010, 493, 185-190.	1.2	24
115	Quantifying the Electron Donor and Acceptor Abilities of the Ketimide Ligands in M(N ⁺ C ⁻ t ⁻ Bu) ₂ (M = V, Nb, Ta). <i>Inorganic Chemistry</i> , 2015, 54, 10081-10095.	1.9	24
116	Advanced Paramagnetic Resonance Studies on Manganese and Iron Corroles with a Formal d ⁴ Electron Count. <i>Inorganic Chemistry</i> , 2020, 59, 1075-1090.	1.9	24
117	Investigation of exchange couplings in [Fe ₃ S ₄] ⁺ clusters by electron spin-lattice relaxation. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 369-380.	1.1	22
118	Marked Stabilization of Redox States and Enhanced Catalytic Activity in Galactose Oxidase Models Based on Transition Metal <i>S</i> -Methylisothiosemicarbazones with ³⁵ S Group in Ortho Position to the Phenolic Oxygen. <i>Inorganic Chemistry</i> , 2013, 52, 7524-7540.	1.9	22
119	Ligand Substituent Effects in Manganese Pyridinophane Complexes: Implications for Oxygen-Evolving Catalysis. <i>Inorganic Chemistry</i> , 2017, 56, 14315-14325.	1.9	22
120	A PNNH Pincer Ligand Allows Access to Monovalent Iron. <i>Chemistry - A European Journal</i> , 2018, 24, 1330-1341.	1.7	22
121	Probing the Magnetic Anisotropy of Co(II) Complexes Featuring Redox-Active Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 16178-16193.	1.9	22
122	Magnetic Properties and Electronic Structure of Manganese-Based Blue Pigments: A High-Frequency and -Field EPR Study. <i>Inorganic Chemistry</i> , 2015, 54, 9040-9045.	1.9	21
123	Applying Unconventional Spectroscopies to the Single-Molecule Magnets, Co(PPh) ₃ X ₂ (X=Cl, Br, I): Unveiling Magnetic Transitions and Spin-Phonon Coupling. <i>Chemistry - A European Journal</i> , 2021, 27, 11110-11125.	1.7	21
124	Evidence for the formation of a mononuclear ferric-hydroperoxo complex via the reaction of dioxygen with an (N ₄ S(thiolate))iron(II) complex. <i>Chemical Communications</i> , 2009, , 6828.	2.2	20
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