Joshua Telser

List of Publications by Year
in descending order

184 papers	20,128 citations	30070 54 h-index	10734 138 g-index
202 all docs	202 docs citations	202 times ranked	26028 citing authors

#	Article	IF	Citations
1	Ruthenium-nitrosyl complexes as NO-releasing molecules, potential anticancer drugs, and photoswitches based on linkage isomerism. Dalton Transactions, 2022, 51, 5367-5393.	3.3	35
2	Paramagnetic resonance investigation of mono- and di-manganese-containing systems in biochemistry. Methods in Enzymology, 2022, 666, 315-372.	1.0	0
3	Cooperative Activation of CO₂ and Epoxide by a Heterobinuclear Alâ€“Fe Complex via Radical Pair Mechanisms. Journal of the American Chemical Society, 2022, 144, 3210-3221.	13.7	36
4	The Ruthenium Nitrosyl Moiety in Clusters: Trinuclear Linear Î¼-Hydroxido Magnesium(II)-Diruthenium(II), Î¼₃-Oxido Trinuclear Diiron(III)â€“Ruthenium(II), and Tetranuclear Î¼₄-Oxido Trigallium(III)-Ruthenium(II) Complexes. Inorganic Chemistry, 2022, 61, 950-967.	4.0	7
5	Tale of Three Molecular Nitrides: Mononuclear Vanadium (V) and (IV) Nitrides As Well As a Mixed-Valence Trivanadium Nitride Having a V₃N₄ Double-Diamond Core. Journal of the American Chemical Society, 2022, 144, 10201-10219.	13.7	3
6	Photoelectrochemical Conversion of Dinitrogen to Benzonitrile: Selectivity Control by Electrophileâ€• versus Protonâ€Coupled Electron Transfer. Angewandte Chemie - International Edition, 2022, 61, .	13.8	16
7	Photoelectrochemical Conversion of Dinitrogen to Benzonitrile: Selectivity Control by Electrophileâ€• versus Protonâ€Coupled Electron Transfer. Angewandte Chemie, 2022, 134, .	2.0	3
8	Solid-State Conformational Isomerism Lacking a Gas-Phase Energy Barrier: Its Structural, Spectroscopic, and Theoretical Identification in an Organochromium(III) Complex. Organometallics, 2022, 41, 1558-1564.	2.3	1
9	Applying Unconventional Spectroscopies to the Singleâ€Molecule Magnets, Co(PPh₃)₂X₂(X=Cl, Br, I): Unveiling Magnetic Transitions and Spinâ€Phonon Coupling. Chemistry - A European Journal, 2021, 27, 11110-11125.	3.3	21
10	High-Frequency and -Field Electron Paramagnetic Resonance Spectroscopic Analysis of Metalâ€“Ligand Covalency in a 4f⁷ Valence Series (Eu²⁺, Gd³⁺, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 T	4.0	12
11	Synthesis and Characterization of Heteromultinuclear Ni/M Clusters (M = Fe, Ru, W) Including a Paramagnetic (NHC)Niâ€“WCp*(CO)3 Heterobinuclear Complex. Organometallics, 2021, 40, 2123-2132.	2.3	4
12	Astrid Sigel, Eva Freisinger, Roland K. O. Sigel (Eds): Metals ions in bio-imaging techniques,Âvol. 22 of Metal ions in life sciences. Transition Metal Chemistry, 2021, 46, 427.	1.4	0
13	Electronic Structure of Tetrahedral,S= 2, [Fe{(EPⁱPr₂)₂N}₂], E = S, Se, Complexes: Investigation by High-Frequency and -Field Electron Paramagnetic Resonance,⁵⁷Fe MÃ¶ssbauer Spectroscopy, and Quantum Chemical Studies. Inorganic Chemistry, 2021, 60, 10990-11005.	4.0	3
14	Hydrocarbon Oxidation by an Exposed, Multiply Bonded Iron(III) Oxo Complex. ACS Central Science, 2021, 7, 1751-1755.	11.3	14
15	Electronic Structure and Magnetic Properties of a Low-Spin CrII Complex: trans-[CrCl2(dmpe)2] (dmpe) Tj ETQq1 1 0.784314 rgBT /O	4.0	2
16	Nitrene Photochemistry of Manganese Nâ€Haloamides**. Angewandte Chemie - International Edition, 2021, 60, 26647-26655.	13.8	7
17	Nitrene Photochemistry of Manganese Nâ€Haloamides**. Angewandte Chemie, 2021, 133, 26851-26859.	2.0	2
18	Cobalt(II) â€œScorpionateâ€•complexes as electronic ground state models for cobalt-substituted zinc enzymes: Structure investigation by magnetic circular dichroism. Journal of Inorganic Biochemistry, 2020, 203, 110876.	3.5	3

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19	Advanced Paramagnetic Resonance Studies on Manganese and Iron Corroles with a Formal d⁴ Electron Count. Inorganic Chemistry, 2020, 59, 1075-1090.	4.0	24
20	Ferromagnetically-coupled, triangular, [Bu4N]2[CuII3(Î¼3-Br)2(Î¼-4-O2N-pz)3Br3] complex revisited: The effect of coordinated halides on spin relaxation properties. Polyhedron, 2020, 177, 114258.	2.2	1
21	Chromium(III)-pyrazole complexes. X-Ray crystal structures, 1H NMR investigation of ligand fluxional behavior and EPR studies. Inorganica Chimica Acta, 2020, 502, 119299.	2.4	5
22	Structural and spectroscopic characterization of an Fe(VI) bis(imido) complex. Science, 2020, 370, 356-359.	12.6	40
23	A Mononuclear and High-Spin Tetrahedral Ti^{II} Complex. Inorganic Chemistry, 2020, 59, 17834-17850.	4.0	12
24	Probing the Magnetic Anisotropy of Co(II) Complexes Featuring Redox-Active Ligands. Inorganic Chemistry, 2020, 59, 16178-16193.	4.0	22
25	Advanced Magnetic Resonance Studies of Tetraphenylporphyrinatoiron(III) Halides. Applied Magnetic Resonance, 2020, 51, 1411-1432.	1.2	6
26	Correction: Near-infrared ²E_g â†' ⁴A_{2g} and visible LMCT luminescence from a molecular bis-(tris(carbene)borate) manganese(IV) complex. Canadian Journal of Chemistry, 2020, 98, 250-250.	1.1	4
27	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. Polyhedron, 2020, 184, 114488.	2.2	9
28	Redox-Controlled Reactivity at Boron: Parallels to Frustrated Lewis/Radical Pair Chemistry. Inorganic Chemistry, 2020, 59, 10343-10352.	4.0	4
29	Singleâ€Ion Magnetic Behaviour in an Iron(III) Porphyrin Complex: A Dichotomy Between High Spin and 5/2â€"3/2 Spin Admixture. Chemistry - A European Journal, 2020, 26, 14242-14251.	3.3	9
30	Electronic Structure and Magnetic Properties of a Titanium(II) Coordination Complex. Inorganic Chemistry, 2020, 59, 6187-6201.	4.0	7
31	A Dimeric Hydride-Bridged Complex with Geometrically Distinct Iron Centers Giving Rise to an S = 3 Ground State. Journal of the American Chemical Society, 2019, 141, 11970-11975.	13.7	13
32	Design, Isolation, and Spectroscopic Analysis of a Tetravalent Terbium Complex. Journal of the American Chemical Society, 2019, 141, 13222-13233.	13.7	80
33	Dinuclear manganese(iii) complexes with bioinspired coordination and variable linkers showing weak exchange effects: a synthetic, structural, spectroscopic and computation study. Dalton Transactions, 2019, 48, 5909-5922.	3.3	10
34	Magnetization Slow Dynamics in Ferrocenium Complexes. Chemistry - A European Journal, 2019, 25, 10625-10632.	3.3	20
35	Combining HFEPR and NMR Spectroscopies to Characterize Organochromium(III) Complexes with Large Zero-Field Splitting. Organometallics, 2019, 38, 2179-2188.	2.3	13
36	High-Frequency and -Field EPR (HFEPR) Investigation of a Pseudotetrahedral Cr^{IV} Siloxide Complex and Computational Studies of Related Cr^{IV}L₄ Systems. Inorganic Chemistry, 2019, 58, 4907-4920.	4.0	11

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37	Homoleptic Imidophosphorane Stabilization of Tetravalent Cerium. Inorganic Chemistry, 2019, 58, 5289-5304.	4.0	40
38	Finding a soft spot for vanadium: a P-bound OCP ligand. Chemical Communications, 2019, 55, 5966-5969.	4.1	20
39	Selectivity of tungsten mediated dinitrogen splitting vs. proton reduction. Chemical Science, 2019, 10, 10275-10282.	7.4	38
40	Synthesis, Characterization, and Electrochemical Analyses of Vanadocene Tetrametaphosphate and Phosphinate Derivatives. Organometallics, 2018, 37, 848-854.	2.3	8
41	A PNNH Pincer Ligand Allows Access to Monovalent Iron. Chemistry - A European Journal, 2018, 24, 1330-1341.	3.3	22
42	Square-planar Co(<scp>iii</scp>) in {O₄} coordination: large ZFS and reactivity with ROS. Chemical Communications, 2018, 54, 12045-12048.	4.1	9
43	Probing Redox Noninnocence of Copper and Zinc Bisâ€pyridylpyrrolides. European Journal of Inorganic Chemistry, 2018, 2018, 4893-4904.	2.0	4
44	Probing Hydrogen Atom Transfer at a Phosphorus(V) Oxide Bond Using a â€œBulky Hydrogen Atomâ€• Surrogate: Analogies to PCET. Journal of the American Chemical Society, 2018, 140, 15375-15383.	13.7	19
45	Observation of a Photogenerated Rh₂ Nitrenoid Intermediate in Câ€“H Amination. Journal of the American Chemical Society, 2018, 140, 10412-10415.	13.7	30
46	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Nonâ€Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. Angewandte Chemie - International Edition, 2018, 57, 9387-9391.	13.8	53
47	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Nonâ€Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. Angewandte Chemie, 2018, 130, 9531-9535.	2.0	16
48	Near-infrared ²E_g â†’ ⁴A_{2g} and visible LMCT luminescence from a molecular bis-(tris(carbene)borate) manganese(IV) complex. Canadian Journal of Chemistry, 2017, 95, 547-552.	1.1	52
49	Tuning Magnetic Anisotropy Through Ligand Substitution in Five-Coordinate Co(II) Complexes. Inorganic Chemistry, 2017, 56, 5253-5265.	4.0	27
50	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. Inorganic Chemistry, 2017, 56, 4751-4768.	4.0	41
51	cis-Tetrachlorido-bis(indazole)osmium(iv) and its osmium(iii) analogues: paving the way towards the cis-isomer of the ruthenium anticancer drugs KP1019 and/or NKP1339. Dalton Transactions, 2017, 46, 11925-11941.	3.3	11
52	A five-coordinate manganese(<scp>iii</scp>) complex of a salen type ligand with a positive axial anisotropy parameter D. Dalton Transactions, 2017, 46, 11817-11829.	3.3	20
53	Ligand Substituent Effects in Manganese Pyridinophane Complexes: Implications for Oxygen-Evolving Catalysis. Inorganic Chemistry, 2017, 56, 14315-14325.	4.0	22
54	HFEPR and Computational Studies on the Electronic Structure of a High-Spin Oxidoiron(IV) Complex in Solution. Inorganic Chemistry, 2016, 55, 3933-3945.	4.0	11

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55	A Neutrally Charged Trimethylmanganese(III) Complex: Synthesis, Characterization, and Disproportionation Chemistry. Organometallics, 2016, 35, 2683-2688.	2.3	8
56	Synthesis of Co^{II}â€“NO^{â€“} Complexes and Their Reactivity as a Source of Nitroxyl. Journal of the American Chemical Society, 2016, 138, 12459-12471.	13.7	25
57	Measuring giant anisotropy in paramagnetic transition metal complexes with relevance to single-ion magnetism. Dalton Transactions, 2016, 45, 16751-16763.	3.3	57
58	Spectroscopic and Computational Investigation of Lowâ€Spin MnIII Bis(scorpionate) Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 2413-2423.	2.0	13
59	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. Inorganic Chemistry, 2015, 54, 5691-5706.	4.0	29
60	Secondary Coordination Sphere Effects in Ruthenium(III) Tetraammine Complexes: Role of the Coordinated Water Molecule. Inorganic Chemistry, 2015, 54, 2067-2080.	4.0	11
61	High-frequency and -field electron paramagnetic resonance of vanadium(IV, III, and II) complexes. Coordination Chemistry Reviews, 2015, 301-302, 123-133.	18.8	65
62	Advanced paramagnetic resonance spectroscopies of ironâ€“sulfur proteins: Electron nuclear double resonance (ENDOR) and electron spin echo envelope modulation (ESEEM). Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1370-1394.	4.1	34
63	Accessing Ni(III)-Thiolate Versus Ni(II)-Thiyl Bonding in a Family of Niâ€“N₂S₂ Synthetic Models of NiSOD. Inorganic Chemistry, 2015, 54, 3815-3828.	4.0	32
64	Quantifying the Electron Donor and Acceptor Abilities of the Ketimide Ligands in M(Nâ•C^tBu₂)₄ (M = V, Nb, Ta). Inorganic Chemistry, 2015, 54, 10081-10095.	4.0	24
65	Simulating Frequency-Domain Electron Paramagnetic Resonance: Bridging the Gap between Experiment and Magnetic Parameters for High-Spin Transition-Metal Ion Complexes. Journal of Physical Chemistry B, 2015, 119, 13816-13824.	2.6	47
66	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). Inorganic Chemistry, 2015, 54, 10380-10397.	4.0	34
67	Magnetic Properties and Electronic Structure of Manganese-Based Blue Pigments: A High-Frequency and -Field EPR Study. Inorganic Chemistry, 2015, 54, 9040-9045.	4.0	21
68	High-frequency and high-field electron paramagnetic resonance (HFEPR): a new spectroscopic tool for bioinorganic chemistry. Journal of Biological Inorganic Chemistry, 2014, 19, 297-318.	2.6	74
69	Spectroscopic Characterization of L-ascorbic Acid-induced Reduction of Vanadium(V) Dipicolinates: Formation of Vanadium(III) and Vanadium(IV) Complexes from Vanadium(V) Dipicolinate Derivatives. Inorganica Chimica Acta, 2014, 420, 112-119.	2.4	19
70	Low-Spin Hexacoordinate Mn(III): Synthesis and Spectroscopic Investigation of Homoleptic Tris(pyrazolyl)borate and Tris(carbene)borate Complexes. Inorganic Chemistry, 2013, 52, 144-159.	4.0	55
71	Copper(II) Complexes with Schiff Bases Containing a Disiloxane Unit: Synthesis, Structure, Bonding Features and Catalytic Activity for Aerobic Oxidation of Benzyl Alcohol. European Journal of Inorganic Chemistry, 2013, 2013, 1458-1474.	2.0	58
72	Slow magnetic relaxation in the tetrahedral cobalt(II) complexes [Co(EPh)4]2â^' (EO, S, Se). Polyhedron, 2013, 64, 209-217.	2.2	205

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73	Marked Stabilization of Redox States and Enhanced Catalytic Activity in Galactose Oxidase Models Based on Transition Metal S-Methylisothiosemicarbazonates with â˜SR Group in Ortho Position to the Phenolic Oxygen. Inorganic Chemistry, 2013, 52, 7524-7540.	4.0	22
74	Electronic Structures of Octahedral Ni(II) Complexes with â€œClickâ€•Derived Triazole Ligands: A Combined Structural, Magnetometric, Spectroscopic, and Theoretical Study. Inorganic Chemistry, 2013, 52, 6880-6892.	4.0	78
75	A Radical Transfer Pathway in Spore Photoproduct Lyase. Biochemistry, 2013, 52, 3041-3050.	2.5	32
76	Correction to A Radical Transfer Pathway in Spore Photoproduct Lyase. Biochemistry, 2013, 52, 4869-4869.	2.5	0
77	Formation and Reactivity of the Terminal Vanadium Nitride Functionality. European Journal of Inorganic Chemistry, 2013, 2013, 3916-3929.	2.0	26
78	Magnetic Resonance Spectroscopy in Bio(in)organic Chemistry and in Mechanistic Systems Biology: A Tribute to Ivano Bertini. ChemBioChem, 2013, 14, 1671-1675.	2.6	0
79	Vanadocene de Novo: Spectroscopic and Computational Analysis of Bis(Î·⁵-cyclopentadienyl)vanadium(II). Organometallics, 2012, 31, 8265-8274.	2.3	25
80	High-frequency and -field electron paramagnetic resonance of transition metal ion (d block) coordination complexes. Electron Paramagnetic Resonance, 2012, , 209-263.	0.2	31
81	High Spin Co(I): High-Frequency and -Field EPR Spectroscopy of CoX(PPh₃)₃ (X) Tj ETQq1 1 0.784314 rgBT	4.0	29
82	Correction to Probing the Reaction Mechanism of Spore Photoproduct Lyase (SPL) via Diastereoselectively Labeled Dinucleotide SP TpT Substrates. Journal of the American Chemical Society, 2012, 134, 20858-20858.	13.7	1
83	AirSR, a [2Fe-2S] Cluster-Containing Two-Component System, Mediates Global Oxygen Sensing and Redox Signaling in Staphylococcus aureus. Journal of the American Chemical Society, 2012, 134, 305-314.	13.7	78
84	Simple Ligand-Field Theory of d4 and d6 Transition Metal Complexes with a C3 Symmetry Axis. Inorganic Chemistry, 2012, 51, 6000-6010.	4.0	41
85	Mechanistic Studies of the Spore Photoproduct Lyase via a Single Cysteine Mutation. Biochemistry, 2012, 51, 7173-7188.	2.5	31
86	EPR and 57Fe ENDOR investigation of 2Fe ferredoxins from Aquifex aeolicus. Journal of Biological Inorganic Chemistry, 2012, 17, 1137-1150.	2.6	9
87	Electronic Structure of Nickel(II) and Zinc(II) Borohydrides from Spectroscopic Measurements and Computational Modeling. Inorganic Chemistry, 2012, 51, 2793-2805.	4.0	28
88	A Planar Three-Coordinate Vanadium(II) Complex and the Study of Terminal Vanadium Nitrides from N₂: A Kinetic or Thermodynamic Impediment to Nâ€“N Bond Cleavage?. Journal of the American Chemical Society, 2012, 134, 13035-13045.	13.7	77
89	Probing the Reaction Mechanism of Spore Photoproduct Lyase (SPL) via Diastereoselectively Labeled Dinucleotide SP TpT Substrates. Journal of the American Chemical Society, 2011, 133, 10434-10447.	13.7	34
90	Crystal Structure and Characterization of Particulate Methane Monooxygenase from Methylocystis species Strain M. Biochemistry, 2011, 50, 10231-10240.	2.5	130

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91	Syntheses, Electronic Structures, and EPR/UVâˆ'Visâˆ'NIR Spectroelectrochemistry of Nickel(II), Copper(II), and Zinc(II) Complexes with a Tetradentate Ligand Based on S-Methylisothiosemicarbazide. Inorganic Chemistry, 2011, 50, 2918-2931.	4.0	43
92	⁵⁷Fe ENDOR Spectroscopy and â€˜Electron Inventoryâ€™ Analysis of the Nitrogenase E₄Intermediate Suggest the Metal-Ion Core of FeMo-Cofactor Cycles Through Only One Redox Couple. Journal of the American Chemical Society, 2011, 133, 17329-17340.	13.7	75
93	Toward Functional Ni-SOD Biomimetics: Achieving a Structural/Electronic Correlation with Redox Dynamics. Inorganic Chemistry, 2011, 50, 9216-9218.	4.0	32
94	High-frequency and -field EPR and FDMRS study of the [Fe(H2O)6]2+ ion in ferrous fluorosilicate. Journal of Magnetic Resonance, 2011, 213, 158-165.	2.1	18
95	Reactivity Studies of a Masked Threeâ€Coordinate Vanadium(II) Complex. Angewandte Chemie - International Edition, 2010, 49, 9871-9875.	13.8	56
96	Spin relaxation in a ferromagnetically coupled triangular Cu3 complex. Chemical Physics Letters, 2010, 493, 185-190.	2.6	24
97	Overview of ligand versus metal centered redox reactions in tetraaza macrocyclic complexes of nickel with a focus on electron paramagnetic resonance studies. Journal of the Brazilian Chemical Society, 2010, 21, 1139-1157.	0.6	15
98	Family of V(III)-Tristhiolato 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.. Inorganic Chemistry, 2010, 49, 977-988.	4.0	57
99	Electronic Structure of a Paramagnetic {MNO}6 Complex: MnNO 5,5-Tropocoronand. Inorganic Chemistry, 2010, 49, 2701-2705.	4.0	8
100	Observation of Organometallic and Radical Intermediates Formed during the Reaction of Methyl-Coenzyme M Reductase with Bromoethanesulfonate. Biochemistry, 2010, 49, 6866-6876.	2.5	18
101	Cobalt(II) â€œScorpionateâ€•Complexes as Models for Cobalt-Substituted Zinc Enzymes: Electronic Structure Investigation by High-Frequency and -Field Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2010, 132, 5241-5253.	13.7	66
102	Intermolecular Câ€“H bond activation of benzene and pyridines by a vanadium(iii) alkylidene including a stepwise conversion of benzene to a vanadium-benzyne complex. Chemical Science, 2010, 1, 351.	7.4	64
103	Determination of intermolecular copperâ€“copper distances from the EPR half-field transitions and their comparison with distances from X-ray structures: applications to copper(II) complexes with biologically important ligands. Transition Metal Chemistry, 2009, 34, 129-134.	1.4	10
104	Synthesis and spectroscopic investigations of four-coordinate nickel complexes supported by a strongly donating scorpionate ligand. Inorganica Chimica Acta, 2009, 362, 4449-4460.	2.4	39
105	Aminocarboxylate complexes of vanadium(III): Electronic structure investigation by high-frequency and -field electron paramagnetic resonance spectroscopy. Journal of Inorganic Biochemistry, 2009, 103, 487-495.	3.5	18
106	Evidence for the formation of a mononuclear ferricâ€“hydroperoxo complex via the reaction of dioxygen with an (N4S(thiolate))iron(ii) complex. Chemical Communications, 2009, , 6828.	4.1	20
107	Spectroscopic and Computational Characterization of the Base-off Forms of Cob(II)alamin. Journal of Physical Chemistry B, 2009, 113, 5245-5254.	2.6	35
108	Unsymmetrical Fe^{III}Co^{II} and Ga^{III}Co^{II} Complexes as Chemical Hydrolases: Biomimetic Models for Purple Acid Phosphatases (PAPs). Inorganic Chemistry, 2009, 48, 7905-7921.	4.0	57

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109	Reactivity of the Radical NO with a Masked Form of 14 Valence Electron (PNP)Rh: Forming Rh(0, I or II)?. European Journal of Inorganic Chemistry, 2008, 2008, 4704-4709.	2.0	8
110	Determination by High-Frequency and -Field EPR of Zero-Field Splitting in Iron(IV) Oxo Complexes: Implications for Intermediates in Nonheme Iron Enzymes. Inorganic Chemistry, 2008, 47, 3483-3485.	4.0	27
111	A Family of Cyanide-Bridged Molecular Squares: Structural and Magnetic Properties of [{MIICl2}2{CoII(triphos)(CN)2}2]Â·xCH2Cl2, M = Mn, Fe, Co, Ni, Zn. Inorganic Chemistry, 2008, 47, 2074-2082.	4.0	39
112	The Metal Centers of Particulate Methane Monooxygenase from Methylosinus trichosporium OB3b. Biochemistry, 2008, 47, 6793-6801.	2.5	130
113	Free radicals and antioxidants in normal physiological functions and human disease. International Journal of Biochemistry and Cell Biology, 2007, 39, 44-84.	2.8	10,891
114	Spectroscopic Detection and Theoretical Confirmation of the Role of Cr2(CO)5(C5R5)2and Â·Cr(CO)2(ketene)(C5R5) as Intermediates in Carbonylation of NNCHSiMe3to OCCHSiMe3by Â·Cr(CO)3(C5R5) (R = H, CH3). Journal of the American Chemical Society, 2007, 129, 14388-14400.	13.7	38
115	Biochemical and Spectroscopic Studies of the Electronic Structure and Reactivity of a Methylâ^'Ni Species Formed on Methyl-Coenzyme M Reductase. Journal of the American Chemical Society, 2007, 129, 11030-11032.	13.7	65
116	A Planar Carboxylate-Rich Tetrairon(II) Complex and Its Conversion to Linear Triiron(II) and Paddlewheel Diiron(II) Complexes. Inorganic Chemistry, 2007, 46, 10754-10770.	4.0	30
117	Targeted Guanine Oxidation by a Dinuclear Copper(II) Complex at Single Stranded/Double Stranded DNA Junctions. Inorganic Chemistry, 2006, 45, 7144-7159.	4.0	70
118	Characterization of the Particulate Methane Monooxygenase Metal Centers in Multiple Redox States by X-ray Absorption Spectroscopy. Inorganic Chemistry, 2006, 45, 8372-8381.	4.0	89
119	Electronic Structure of Four-CoordinateC3vNickel(II) Scorpionate Complexes:Â Investigation by High-Frequency and -Field Electron Paramagnetic Resonance and Electronic Absorption Spectroscopies. Inorganic Chemistry, 2006, 45, 8930-8941.	4.0	93
120	Trinuclear, Antiferromagnetically Coupled CuIIComplex with an EPR Spectrum of Mononuclear CuII:Â Effect of Alcoholic Solvents. Inorganic Chemistry, 2006, 45, 8841-8843.	4.0	45
121	Time evolution of a solâ€“gel process monitored by Mn2+ EPR spectroscopy. Journal of Non-Crystalline Solids, 2006, 352, 3158-3165.	3.1	9
122	A perspective on applications of ligand-field analysis: inspiration from electron paramagnetic resonance spectroscopy of coordination complexes of transition metal ions. Journal of the Brazilian Chemical Society, 2006, 17, 1501-1515.	0.6	30
123	Multi-frequency, high-field EPR as a powerful tool to accurately determine zero-field splitting in high-spin transition metal coordination complexes. Coordination Chemistry Reviews, 2006, 250, 2308-2324.	18.8	326
124	Tunable-frequency high-field electron paramagnetic resonance. Journal of Magnetic Resonance, 2006, 178, 174-183.	2.1	101
125	High-frequency/high-field EPR spectroscopy of the high-spin ferrous ion in hexaaqua complexes. Magnetic Resonance in Chemistry, 2005, 43, S130-S139.	1.9	40
126	High-Frequency and -Field EPR Investigation of a Manganese(III) N-Confused Porphyrin Complex, [Mn(NCTPP)(py)2]. Inorganic Chemistry, 2005, 44, 4451-4453.	4.0	39

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127	Synthesis, Crystal Structure, and High-Precision High-Frequency and -Field Electron Paramagnetic Resonance Investigation of a Manganese(III) Complex:Â [Mn(dbm)2(py)2](ClO4). Inorganic Chemistry, 2005, 44, 187-196.	4.0	48
128	Synthesis, Characterization, and Physicochemical Properties of Manganese(III) and Manganese(V)â˜Oxo Corrolazines. Inorganic Chemistry, 2005, 44, 4485-4498.	4.0	94
129	Enzyme Control of Small-Molecule Coordination in FosA as Revealed by31P Pulsed ENDOR and ESE-EPR. Journal of the American Chemical Society, 2005, 127, 8310-8319.	13.7	25
130	The Copper Chelator Methanobactin fromMethylosinustrichosporiumOB3b Binds Copper(I). Journal of the American Chemical Society, 2005, 127, 17142-17143.	13.7	49
131	Role of oxygen radicals in DNA damage and cancer incidence. Molecular and Cellular Biochemistry, 2004, 266, 37-56.	3.1	1,387
132	High-Frequency and -Field EPR of a Pseudo-octahedral Complex of High-Spin Fe(II):Â Bis(2,2â€˜-bi-2-thiazoline)bis(isothiocyanato)iron(II). Journal of the American Chemical Society, 2004, 126, 6574-6575.	13.7	36
133	An Example of O2Binding in a Cobalt(II) Corrole System and High-Valent Cobaltâ˜Cyano and Cobaltâ˜Alkynyl Complexes. Journal of the American Chemical Society, 2004, 126, 2515-2525.	13.7	93
134	Pseudooctahedral Complexes of Vanadium(III):Â Electronic Structure Investigation by Magnetic and Electronic Spectroscopy. Inorganic Chemistry, 2004, 43, 5645-5658.	4.0	64
135	Definitive Spectroscopic Determination of Zero-Field Splitting in High-Spin Cobalt(II). Journal of the American Chemical Society, 2004, 126, 2148-2155.	13.7	107
136	High frequency and field EPR spectroscopy of Mn(III) complexes in frozen solutions. Journal of Magnetic Resonance, 2003, 162, 454-465.	2.1	51
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