

Joshua Telser

List of Publications by Year in descending order

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184
papers

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29994

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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.	1.6	35
2	Paramagnetic resonance investigation of mono- and di-manganese-containing systems in biochemistry. Methods in Enzymology, 2022, 666, 315-372.	0.4	0
3	Cooperative Activation of CO ₂ and Epoxide by a Heterobinuclear Al ^{III} -Fe Complex via Radical Pair Mechanisms. Journal of the American Chemical Society, 2022, 144, 3210-3221.	6.6	36
4	The Ruthenium Nitrosyl Moiety in Clusters: Trinuclear Linear μ_3 -Hydroxido Magnesium(II)-Diruthenium(II), μ_3 -Oxido Trinuclear Diiron(III)-Ruthenium(II), and Tetranuclear μ_4 -Oxido Trigallium(III)-Ruthenium(II) Complexes. Inorganic Chemistry, 2022, 61, 950-967.	1.9	7
5	Tale of Three Molecular Nitrides: Mononuclear Vanadium (V) and (IV) Nitrides As Well As a Mixed-Valence Trivanadium Nitride Having a V ₃ N ₄ Double-Diamond Core. Journal of the American Chemical Society, 2022, 144, 10201-10219.	6.6	3
6	Photoelectrochemical Conversion of Dinitrogen to Benzonitrile: Selectivity Control by Electrophile [•] versus Proton [•] -Coupled Electron Transfer. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
7	Photoelectrochemical Conversion of Dinitrogen to Benzonitrile: Selectivity Control by Electrophile [•] versus Proton [•] -Coupled Electron Transfer. Angewandte Chemie, 2022, 134, .	1.6	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.	1.1	1
9	Applying Unconventional Spectroscopies to the Single [•] Molecule Magnets, Co(PPh ₃) ₂ X ₂ (X=Cl, Br, I): Unveiling Magnetic Transitions and Spin [•] -Phonon Coupling. Chemistry - A European Journal, 2021, 27, 11110-11125.	1.7	21
10	High-Frequency and -Field Electron Paramagnetic Resonance Spectroscopic Analysis of Metal [•] Ligand Covalency in a 4f ⁷ Valence Series (Eu ²⁺ , Gd ³⁺ , and Tj ETQq0 0 0 rgBT /Overbook 10 1250 377 T		
11	Synthesis and Characterization of Heteromultinuclear Ni/M Clusters (M = Fe, Ru, W) Including a Paramagnetic (NHC)Ni [•] WCp*(CO) ₃ Heterobinuclear Complex. Organometallics, 2021, 40, 2123-2132.	1.1	4
12	Astrid Sigel, Eva Freisinger, Roland K. O. Sigel (Eds): Metals ions in bio-imaging techniques, Vol. 22 of Metal ions in life sciences. Transition Metal Chemistry, 2021, 46, 427.	0.7	0
13	Electronic Structure of Tetrahedral, <i>S</i> = 2, [Fe(EP [•]) ₂ Pr ₂ N] ₂ , E = S, Se, Complexes: Investigation by High-Frequency and -Field Electron Paramagnetic Resonance, ⁵⁷ Fe Mössbauer Spectroscopy, and Quantum Chemical Studies. Inorganic Chemistry, 2021, 60, 10990-11005.	1.9	3
14	Hydrocarbon Oxidation by an Exposed, Multiply Bonded Iron(III) Oxo Complex. ACS Central Science, 2021, 7, 1751-1755.	5.3	14
15	Electronic Structure and Magnetic Properties of a Low-Spin CrII Complex: trans-[CrCl ₂ (dmpe) ₂] (dmpe) Tj ETQq1 1,0,784314,rgBT /Over	1.9	2
16	Nitrene Photochemistry of Manganese <i>N</i> -Haloamides ^{••} . Angewandte Chemie - International Edition, 2021, 60, 26647-26655.	7.2	7
17	Nitrene Photochemistry of Manganese <i>N</i> -Haloamides ^{••} . Angewandte Chemie, 2021, 133, 26851-26859.	1.6	2
18	Cobalt(II) [•] Scorpionate [•] complexes as electronic ground state models for cobalt-substituted zinc enzymes: Structure investigation by magnetic circular dichroism. Journal of Inorganic Biochemistry, 2020, 203, 110876.	1.5	3

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19	Advanced Paramagnetic Resonance Studies on Manganese and Iron Corroles with a Formal $d^{4/4}$ Electron Count. <i>Inorganic Chemistry</i> , 2020, 59, 1075-1090.	1.9	24
20	Ferromagnetically-coupled, triangular, $[\text{Bu}_4\text{N}]_2[\text{CuI}_3(\text{I}^{1/4}\text{-Br})_2(\text{I}^{1/4}\text{-4-O}_2\text{N-pz})_3\text{Br}_3]$ complex revisited: The effect of coordinated halides on spin relaxation properties. <i>Polyhedron</i> , 2020, 177, 114258.	1.0	1
21	Chromium(III)-pyrazole complexes. X-Ray crystal structures, ^1H NMR investigation of ligand fluxional behavior and EPR studies. <i>Inorganica Chimica Acta</i> , 2020, 502, 119299.	1.2	5
22	Structural and spectroscopic characterization of an Fe(VI) bis(imido) complex. <i>Science</i> , 2020, 370, 356-359.	6.0	40
23	A Mononuclear and High-Spin Tetrahedral Ti^{II} Complex. <i>Inorganic Chemistry</i> , 2020, 59, 17834-17850.	1.9	12
24	Probing the Magnetic Anisotropy of Co(II) Complexes Featuring Redox-Active Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 16178-16193.	1.9	22
25	Advanced Magnetic Resonance Studies of Tetraphenylporphyrinatoiron(III) Halides. <i>Applied Magnetic Resonance</i> , 2020, 51, 1411-1432.	0.6	6
26	Correction: Near-infrared $^2\text{E}_g$ and visible LMCT luminescence from a molecular <i>bis</i> -(tris(carbene)borate) manganese(IV) complex. <i>Canadian Journal of Chemistry</i> , 2020, 98, 250-250.	0.6	4
27	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. <i>Polyhedron</i> , 2020, 184, 114488.	1.0	9
28	Redox-Controlled Reactivity at Boron: Parallels to Frustrated Lewis/Radical Pair Chemistry. <i>Inorganic Chemistry</i> , 2020, 59, 10343-10352.	1.9	4
29	Single- κ on Magnetic Behaviour in an Iron(III) Porphyrin Complex: A Dichotomy Between High Spin and $5/2 \approx 3/2$ Spin Admixture. <i>Chemistry - A European Journal</i> , 2020, 26, 14242-14251.	1.7	9
30	Electronic Structure and Magnetic Properties of a Titanium(II) Coordination Complex. <i>Inorganic Chemistry</i> , 2020, 59, 6187-6201.	1.9	7
31	A Dimeric Hydride-Bridged Complex with Geometrically Distinct Iron Centers Giving Rise to an $S = 3$ Ground State. <i>Journal of the American Chemical Society</i> , 2019, 141, 11970-11975.	6.6	13
32	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
33	Dinuclear manganese(III) complexes with bioinspired coordination and variable linkers showing weak exchange effects: a synthetic, structural, spectroscopic and computation study. <i>Dalton Transactions</i> , 2019, 48, 5909-5922.	1.6	10
34	Magnetization Slow Dynamics in Ferrocenium Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 10625-10632.	1.7	20
35	Combining HFEP and NMR Spectroscopies to Characterize Organochromium(III) Complexes with Large Zero-Field Splitting. <i>Organometallics</i> , 2019, 38, 2179-2188.	1.1	13
36	High-Frequency and -Field EPR (HFEP) Investigation of a Pseudotetrahedral Cr^{IV} Siloxide Complex and Computational Studies of Related Cr^{IV} L_4 Systems. <i>Inorganic Chemistry</i> , 2019, 58, 4907-4920.	1.9	11

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37	Homoleptic Imidophosphorane Stabilization of Tetravalent Cerium. <i>Inorganic Chemistry</i> , 2019, 58, 5289-5304.	1.9	40
38	Finding a soft spot for vanadium: a P-bound OCP ligand. <i>Chemical Communications</i> , 2019, 55, 5966-5969.	2.2	20
39	Selectivity of tungsten mediated dinitrogen splitting <i>vs.</i> proton reduction. <i>Chemical Science</i> , 2019, 10, 10275-10282.	3.7	38
40	Synthesis, Characterization, and Electrochemical Analyses of Vanadocene Tetrametaphosphate and Phosphinate Derivatives. <i>Organometallics</i> , 2018, 37, 848-854.	1.1	8
41	A PNNH Pincer Ligand Allows Access to Monovalent Iron. <i>Chemistry - A European Journal</i> , 2018, 24, 1330-1341.	1.7	22
42	Square-planar Co(III) in {O ₄ } coordination: large ZFS and reactivity with ROS. <i>Chemical Communications</i> , 2018, 54, 12045-12048.	2.2	9
43	Probing Redox Noninnocence of Copper and Zinc Bispyridylpyrrolides. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4893-4904.	1.0	4
44	Probing Hydrogen Atom Transfer at a Phosphorus(V) Oxide Bond Using a Bulky Hydrogen Atom Surrogate: Analogies to PCET. <i>Journal of the American Chemical Society</i> , 2018, 140, 15375-15383.	6.6	19
45	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
46	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
47	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Non-Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. <i>Angewandte Chemie</i> , 2018, 130, 9531-9535.	1.6	16
48	Near-infrared ² E _g → ⁴ A _{2g} 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
49	Tuning Magnetic Anisotropy Through Ligand Substitution in Five-Coordinate Co(II) Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 5253-5265.	1.9	27
50	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
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. <i>Dalton Transactions</i> , 2017, 46, 11925-11941.	1.6	11
52	A five-coordinate manganese(III) complex of a salen type ligand with a positive axial anisotropy parameter D. <i>Dalton Transactions</i> , 2017, 46, 11817-11829.	1.6	20
53	Ligand Substituent Effects in Manganese Pyridinophane Complexes: Implications for Oxygen-Evolving Catalysis. <i>Inorganic Chemistry</i> , 2017, 56, 14315-14325.	1.9	22
54	HFEP and Computational Studies on the Electronic Structure of a High-Spin Oxidation(IV) Complex in Solution. <i>Inorganic Chemistry</i> , 2016, 55, 3933-3945.	1.9	11

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55	A Neutrally Charged Trimethylmanganese(III) Complex: Synthesis, Characterization, and Disproportionation Chemistry. <i>Organometallics</i> , 2016, 35, 2683-2688.	1.1	8
56	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
57	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
58	Spectroscopic and Computational Investigation of Low-Spin Mn(III) Bis(scorpionate) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2413-2423.	1.0	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. <i>Inorganic Chemistry</i> , 2015, 54, 5691-5706.	1.9	29
60	Secondary Coordination Sphere Effects in Ruthenium(III) Tetraammine Complexes: Role of the Coordinated Water Molecule. <i>Inorganic Chemistry</i> , 2015, 54, 2067-2080.	1.9	11
61	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
62	Advanced paramagnetic resonance spectroscopies of iron–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
63	Accessing Ni(III)-Thiolate Versus Ni(II)-Thiyl Bonding in a Family of Ni ^{N₂S₂} Synthetic Models of NiSOD. <i>Inorganic Chemistry</i> , 2015, 54, 3815-3828.	1.9	32
64	Quantifying the Electron Donor and Acceptor Abilities of the Ketimide Ligands in M(N ^{C₂Bu₂}) ₄ (M = V, Nb, Ta). <i>Inorganic Chemistry</i> , 2015, 54, 10081-10095.	1.9	24
65	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
66	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). <i>Inorganic Chemistry</i> , 2015, 54, 10380-10397.	1.9	34
67	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
68	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
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. <i>Inorganica Chimica Acta</i> , 2014, 420, 112-119.	1.2	19
70	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
71	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
72	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

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73	Marked Stabilization of Redox States and Enhanced Catalytic Activity in Galactose Oxidase Models Based on Transition Metal <i>S</i> -Methylisothiosemicarbazones with SR Group in Ortho Position to the Phenolic Oxygen. <i>Inorganic Chemistry</i> , 2013, 52, 7524-7540.	1.9	22
74	Electronic Structures of Octahedral Ni(II) Complexes with κ^2 -Derived Triazole Ligands: A Combined Structural, Magnetometric, Spectroscopic, and Theoretical Study. <i>Inorganic Chemistry</i> , 2013, 52, 6880-6892.	1.9	78
75	A Radical Transfer Pathway in Spore Photoproduct Lyase. <i>Biochemistry</i> , 2013, 52, 3041-3050.	1.2	32
76	Correction to A Radical Transfer Pathway in Spore Photoproduct Lyase. <i>Biochemistry</i> , 2013, 52, 4869-4869.	1.2	0
77	Formation and Reactivity of the Terminal Vanadium Nitride Functionality. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3916-3929.	1.0	26
78	Magnetic Resonance Spectroscopy in Bio(in)organic Chemistry and in Mechanistic Systems Biology: A Tribute to Ivano Bertini. <i>ChemBioChem</i> , 2013, 14, 1671-1675.	1.3	0
79	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
80	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
81	High Spin Co(I): High-Frequency and -Field EPR Spectroscopy of $\text{CoX}(\text{PPh}_3)_3$ (X) Tj ETQq_1 0.784314 rgBT	1.9	29
82	Correction to Probing the Reaction Mechanism of Spore Photoproduct Lyase (SPL) via Diastereoselectively Labeled Dinucleotide SP TpT Substrates. <i>Journal of the American Chemical Society</i> , 2012, 134, 20858-20858.	6.6	1
83	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
84	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
85	Mechanistic Studies of the Spore Photoproduct Lyase via a Single Cysteine Mutation. <i>Biochemistry</i> , 2012, 51, 7173-7188.	1.2	31
86	EPR and ^{57}Fe ENDOR investigation of 2Fe ferredoxins from <i>Aquifex aeolicus</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1137-1150.	1.1	9
87	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
88	A Planar Three-Coordinate Vanadium(II) Complex and the Study of Terminal Vanadium Nitrides from N_2 : A Kinetic or Thermodynamic Impediment to $\text{N}=\text{N}$ Bond Cleavage?. <i>Journal of the American Chemical Society</i> , 2012, 134, 13035-13045.	6.6	77
89	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
90	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

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91	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
92	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
93	Toward Functional Ni-SOD Biomimetics: Achieving a Structural/Electronic Correlation with Redox Dynamics. <i>Inorganic Chemistry</i> , 2011, 50, 9216-9218.	1.9	32
94	High-frequency and -field EPR and FDMRS study of the [Fe(H ₂ O) ₆] ²⁺ ion in ferrous fluorosilicate. <i>Journal of Magnetic Resonance</i> , 2011, 213, 158-165.	1.2	18
95	Reactivity Studies of a Masked Three-Coordinate Vanadium(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9871-9875.	7.2	56
96	Spin relaxation in a ferromagnetically coupled triangular Cu ₃ complex. <i>Chemical Physics Letters</i> , 2010, 493, 185-190.	1.2	24
97	Overview of ligand versus metal centered redox reactions in tetraaza macrocyclic complexes of nickel with a focus on electron paramagnetic resonance studies. <i>Journal of the Brazilian Chemical Society</i> , 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.. <i>Inorganic Chemistry</i> , 2010, 49, 977-988.	1.9	57
99	Electronic Structure of a Paramagnetic {MNO} ₆ Complex: MnNO 5,5-Tropocoronand. <i>Inorganic Chemistry</i> , 2010, 49, 2701-2705.	1.9	8
100	Observation of Organometallic and Radical Intermediates Formed during the Reaction of Methyl-Coenzyme M Reductase with Bromoethanesulfonate. <i>Biochemistry</i> , 2010, 49, 6866-6876.	1.2	18
101	Cobalt(II) "Scorpionate" 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
102	Intermolecular C-H bond activation of benzene and pyridines by a vanadium(iii) alkylidene including a stepwise conversion of benzene to a vanadium-benzene complex. <i>Chemical Science</i> , 2010, 1, 351.	3.7	64
103	Determination of intermolecular copper-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. <i>Transition Metal Chemistry</i> , 2009, 34, 129-134.	0.7	10
104	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
105	Aminocarboxylate complexes of vanadium(III): Electronic structure investigation by high-frequency and -field electron paramagnetic resonance spectroscopy. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 487-495.	1.5	18
106	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
107	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
108	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

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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.	1.0	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.	1.9	27
111	A Family of Cyanide-Bridged Molecular Squares: Structural and Magnetic Properties of $[MCl_2]_2[Co(triphos)(CN)_2]_2 \cdot xCH_2Cl_2$, M = Mn, Fe, Co, Ni, Zn. Inorganic Chemistry, 2008, 47, 2074-2082.	1.9	39
112	The Metal Centers of Particulate Methane Monooxygenase from <i>Methylosinus trichosporium</i> OB3b. Biochemistry, 2008, 47, 6793-6801.	1.2	130
113	Free radicals and antioxidants in normal physiological functions and human disease. International Journal of Biochemistry and Cell Biology, 2007, 39, 44-84.	1.2	10,891
114	Spectroscopic Detection and Theoretical Confirmation of the Role of $Cr_2(CO)_5(C_5R_5)_2$ and $\lambda-Cr(CO)_2(\eta^5-C_5R_5)$ as Intermediates in Carbonylation of $NNCHSiMe_3$ to $OCCHSiMe_3$ by $\lambda-Cr(CO)_3(C_5R_5)$ (R = H, CH ₃). Journal of the American Chemical Society, 2007, 129, 14388-14400.	6.6	38
115	Biochemical and Spectroscopic Studies of the Electronic Structure and Reactivity of a Methyl ⁺ Ni Species Formed on Methyl-Coenzyme M Reductase. Journal of the American Chemical Society, 2007, 129, 11030-11032.	6.6	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.	1.9	30
117	Targeted Guanine Oxidation by a Dinuclear Copper(II) Complex at Single Stranded/Double Stranded DNA Junctions. Inorganic Chemistry, 2006, 45, 7144-7159.	1.9	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.	1.9	89
119	Electronic Structure of Four-Coordinate C_{3v} Nickel(II) Scorpionate Complexes: Investigation by High-Frequency and -Field Electron Paramagnetic Resonance and Electronic Absorption Spectroscopies. Inorganic Chemistry, 2006, 45, 8930-8941.	1.9	93
120	Trinuclear, Antiferromagnetically Coupled Cu_3 Complex with an EPR Spectrum of Mononuclear Cu_2 : Effect of Alcoholic Solvents. Inorganic Chemistry, 2006, 45, 8841-8843.	1.9	45
121	Time evolution of a sol-gel process monitored by Mn^{2+} EPR spectroscopy. Journal of Non-Crystalline Solids, 2006, 352, 3158-3165.	1.5	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.	9.5	326
124	Tunable-frequency high-field electron paramagnetic resonance. Journal of Magnetic Resonance, 2006, 178, 174-183.	1.2	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.	1.1	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.	1.9	39

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