Stanislav Zalis

List of Publications by Year
in descending order

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186 papers	7,201 citations	41344 49 h-index	82547 72 g-index
193 all docs	193 docs citations	193 times ranked	5653 citing authors

#	Article	IF	Citations
1	Modeling of charge-transfer transitions and excited states in d6 transition metal complexes by DFT techniques. Coordination Chemistry Reviews, 2007, 251, 258-287.	18.8	419
2	Femtosecond Fluorescence and Intersystem Crossing in Rhenium(I) Carbonylâ^'Bipyridine Complexes. Journal of the American Chemical Society, 2008, 130, 8967-8974.	13.7	269
3	Electronic structure of the "molecular light switch" bis(bipyridine)dipyrido[3,2-a:2',3'-c]phenazineruthenium(2+). Cyclic voltammetric, UV/visible and EPR/ENDOR study of multiply reduced complexes and ligands. Inorganic Chemistry, 1993, 32, 166-174.	4.0	171
4	Ultrafast Excited-State Dynamics of Rhenium(I) Photosensitizers [Re(Cl)(CO)₃(N,N)] and [Re(imidazole)(CO)₃(N,N)]⁺: Diimine Effects. Inorganic Chemistry, 2011, 50, 2932-2943.	4.0	171
5	Ultrafast Excited-State Dynamics of [Re(L)(CO)₃(bpy)]ⁿ Complexes: Involvement of the Solvent. Journal of Physical Chemistry A, 2010, 114, 6361-6369.	2.5	118
6	Ruthenium Complexes with Vinyl, Styryl, and Vinylpyrenyl Ligands:Â A Case of Non-innocence in Organometallic Chemistry. Journal of the American Chemical Society, 2008, 130, 259-268.	13.7	111
7	Boron Atoms as Spin Carriers in Twoâ€•and Threeâ€Dimensional Systems. Angewandte Chemie - International Edition, 2009, 48, 5082-5091.	13.8	109
8	Divinylphenylene-Bridged Diruthenium Complexes Bearing Ru(CO)Cl(PiPr3)2Entitiesâ€. Organometallics, 2006, 25, 3701-3712.	2.3	107
9	UVâ^'Visible Absorption Spectra of [Ru(E)(Eâ€˜)(CO)2(iPr-DAB)] (E = Eâ€˜ = SnPh3or Cl; E = SnPh3or Cl, Eâ€˜ =) Tj ETQq1 1 0.784314 rg Calculations. Journal of the American Chemical Society, 2001, 123, 11431-11440.	13.7	101
10	Allenylidene complexes of ruthenium: synthesis, spectroscopy and electron transfer properties. Coordination Chemistry Reviews, 2004, 248, 1565-1583.	18.8	94
11	Quantum chemical interpretation of redox properties of ruthenium complexes with vinyl and TCNX type non-innocent ligands. Coordination Chemistry Reviews, 2010, 254, 1383-1396.	18.8	93
12	Relativistic effects in spectroscopy and photophysics of heavy-metal complexes illustrated by spinâ€“orbit calculations of [Re(imidazole)(CO)3(phen)]+. Coordination Chemistry Reviews, 2011, 255, 975-989.	18.8	90
13	Ruthenium Stilbenyl and Diruthenium Distyrylethene Complexes: Aspects of Electron Delocalization and Electrocatalyzed Isomerization of the Z-Isomer. Journal of the American Chemical Society, 2012, 134, 16671-16692.	13.7	89
14	EPR Characteristics of the [(NC)5M(NO)]3-Ions (M = Fe, Ru, Os). Experimental and DFT Study Establishing NOâ€¢as a Ligand. Inorganic Chemistry, 2001, 40, 5704-5707.	4.0	87
15	Localised to intraligand charge-transfer states in cyclometalated platinum complexes: an experimental and theoretical study into the influence of electron-rich pendants and modulation of excited states by ion binding. Dalton Transactions, 2009, , 1728.	3.3	85
16	Oxygen Reduction Catalyzed by a Fluorinated Tetraphenylporphyrin Free Base at Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2010, 132, 13733-13741.	13.7	80
17	Charge Delocalization in a Heterobimetallic Ferroceneâ^'(Vinyl)Ru(CO)Cl(PiPr3)2 Systemâ€Dedicated to Prof. Dr. Helmut Werner on the occasion of his 75th birthday. Organometallics, 2009, 28, 4196-4209.	2.3	79
18	The Involvement of Metal-to-CO Charge Transfer and Ligand-Field Excited States in the Spectroscopy and Photochemistry of Mixed-Ligand Metal Carbonyls. A Theoretical and Spectroscopic Study of [W(CO)4(1,2-Ethylenediamine)] and [W(CO)4(N,Nâ€˜-Bis-alkyl-1,4-diazabutadiene)]. Journal of the American Chemical Society, 2003, 125, 4580-4592.	13.7	77

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19	Spinâ€“Orbit Treatment of UVâ€“vis Absorption Spectra and Photophysics of Rhenium(I) Carbonylâ€“Bipyridine Complexes: MS-CASPT2 and TD-DFT Analysis. Journal of Physical Chemistry A, 2012, 116, 11319-11329.	2.5	74
20	Rutheniumâ^'Aminoallenylidene Complexes from Butatrienylidene Intermediates via an Aza-Cope Rearrangement:â€‰ Synthetic, Spectroscopic, Electrochemical, Spectroelectrochemical, and Computational Studies. Organometallics, 2001, 20, 1317-1333.	2.3	73
21	Complex Reduction Chemistry of (abpy)PtCl2, abpy = 2,2â€˜-Azobispyridine:Â Formation of Cyclic [(Î¼,Î·2:Î·1-abpy)PtCl]22+with a New Coordination Mode for abpy and a Near-Infrared Ligand-to-Ligand Intervalence Charge Transfer Absorption of the One-Electron Reduced State. Inorganic Chemistry, 2004, 43, 5973-5980.	4.0	72
22	Electronic structures and photophysics of d8-d8 complexes. Coordination Chemistry Reviews, 2017, 345, 297-317.	18.8	70
23	Stabilizing the Elusive ortho-Quinone/Copper(I) Oxidation State Combination through Ï€/Ï€ Interaction in an Isolated Complex. Journal of the American Chemical Society, 2008, 130, 15230-15231.	13.7	69
24	Ligand-to-Diimine/Metal-to-Diimine Charge-Transfer Excited States of [Re(NCS)(CO)3(Î±-diimine)] (Î±-diimine) Tj ETQq0 0 0 rgBT /Overlo Physical Chemistry A, 2005, 109, 5016-5025.	2.5	68
25	Time-resolved emission spectra and TD-DFT excited-state calculations of [W(CO)4(1,10-phenanthroline)] and [W(CO)4(3,4,7,8-tetramethyl-1,10-phenanthroline)]. Inorganica Chimica Acta, 2001, 315, 44-52.	2.4	67
26	Origin of electronic absorption spectra of MLCT-excited and one-electron reduced 2,2â€²-bipyridine and 1,10-phenanthroline complexes. Inorganica Chimica Acta, 2011, 374, 578-585.	2.4	67
27	Cp*Ir(dab) (dab = 1,4-Bis(2,6-dimethylphenyl)-1,4-diazabutadiene):Â A Coordinatively Unsaturated Six-Ï€-Electron Metallaheteroaromatic Compound?. Inorganic Chemistry, 1996, 35, 3998-4002.	4.0	66
28	Copper complexes with non-innocent ligands: probing CuII/catecholato-CuI/o-semiquinonato redox isomer equilibria with EPR spectroscopy. Inorganica Chimica Acta, 2002, 337, 163-172.	2.4	64
29	Photophysics of Singlet and Triplet Intraligand Excited States in [ReCl(CO)₃(1-(2-pyridyl)-imidazo[1,5-Î±]pyridine)] Complexes. Journal of the American Chemical Society, 2014, 136, 5963-5973.	13.7	64
30	Electronic transitions and bonding properties in a series of five-coordinate â€œ16-electronâ€•complexes [Mn(CO)3(L2)]â^' (L2=chelating redox-active Ï€-donor ligand). Coordination Chemistry Reviews, 2007, 251, 557-576.	18.8	63
31	Ligand-to-ligand charge transfer states and photochemical bond homolysis in metalî—¸carbon bonded platinum complexes. Coordination Chemistry Reviews, 2002, 230, 193-211.	18.8	61
32	The Semiquinoneâ^'Ruthenium Combination as a Remarkably Invariant Feature in the Redox and Substitution Series [Ru(Q)_n(acac)_{3â^'n}]^m, n = 1â^'3; m = (â^'2), â^'1, 0, +1, (+2); Q = 4,6-Di-tert-butyl-N-phenyl-o-iminobenzoquinone. Inorganic Chemistry, 2009, 48, 11853-11864.	4.0	61
33	Vinyl-ruthenium entities as markers for intramolecular electron transfer processes. Inorganica Chimica Acta, 2011, 374, 36-50.	2.4	61
34	Ligandâ€Centred Reactivity of Bis(picolyl)amine Iridium: Sequential Deprotonation, Oxidation and Oxygenation of a â€œNonâ€Innocentâ€•Ligand. Chemistry - A European Journal, 2009, 15, 11878-11889.	3.3	60
35	Structural Basis for Unusually Long Wavelength Charge Transfer Transitions in Complexes [MCl(ECH2CH2NMe2)(PR3)] (E = Te, Se; M = Pt, Pd):Â Experimental Results and TD-DFT Calculations. Inorganic Chemistry, 2002, 41, 2864-2870.	4.0	56
36	Electronic Properties of 4,4â€˜,5,5â€˜-Tetramethyl-2,2â€˜-biphosphinine (tmbp) in the Redox Series fac-[Mn(Br)(CO)3(tmbp)], [Mn(CO)3(tmbp)]2, and [Mn(CO)3(tmbp)]-:â€‰ Crystallographic, Spectroelectrochemical, and DFT Computational Study. Inorganic Chemistry, 2003, 42, 4442-4455.	4.0	56

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37	A Five-Center Redox System: Molecular Coupling of Two Noninnocent Imino-o-benzoquinonato-Ruthenium Functions through a Ï€ Acceptor Bridge. Journal of the American Chemical Society, 2009, 131, 8895-8902.	13.7	56
38	Relaxation Dynamics of Pseudomonas aeruginosa Re^I(CO)₃(Î±-diimine)(HisX)⁺ (X = 83, 107, 109, 124, 126)Cu^{II} Azurins. Journal of the American Chemical Society, 2009, 131, 11788-11800.	13.7	55
39	Bridge dominated oxidation of a diruthenium 1,3-divinylphenylene complex. Chemical Communications, 2004, , 1900-1901.	4.1	53
40	Comments on â€œTheoretical Studies of Ground and Excited Electronic States in a Series of Halide Rhenium(I) Bipyridine Complexesâ€â€. Journal of Physical Chemistry A, 2005, 109, 2991-2992.	2.5	53
41	An Oddâ€Electron Complex [Ru^k(NO^m)(Qⁿ)(terpy)]²⁺ with Two Prototypical Nonâ€Innocent Ligands. Angewandte Chemie - International Edition, 2009, 48, 4242-4245.	13.8	53
42	Electron Transfer Across Multiple Hydrogen Bonds: The Case of Ureapyrimidinedione-Substituted Vinyl Ruthenium and Osmium Complexes. Journal of the American Chemical Society, 2009, 131, 4892-4903.	13.7	53
43	The spectroscopic, electrochemical and photophysical effects of the b1/a2 Ï€* lowest unoccupied molecular orbital switching in [M(CO)4(N,N)] (Mâ€...=â€...Cr or W; N,Nâ€...=â€...1,10-phenanthroline or) Tj ETQq1 1 0.784314 rgBT Transactions RSC, 2000, , 4323-4331.	2.3	52
44	Establishing the NO oxidation state in complexes [Cl5(NO)M]nâ^', M = Ru or Ir, through experiments and DFT calculations. Dalton Transactions, 2004, , 1797-1800.	3.3	52
45	Ultrafast Photochemical Dissociation of an Equatorial CO Ligand fromtrans(X,X)-[Ru(X)2(CO)2(bpy)] (X = Cl, Br, I):Â A Picosecond Time-Resolved Infrared Spectroscopic and DFT Computational Study. Inorganic Chemistry, 2004, 43, 7380-7388.	4.0	52
46	Excited States of Nitro-Polypyridine Metal Complexes and Their Ultrafast Decay. Time-Resolved IR Absorption, Spectroelectrochemistry, and TD-DFT Calculations offac-[Re(Cl)(CO)3(5-Nitro-1,10-phenanthroline)]. Journal of Physical Chemistry A, 2005, 109, 6147-6153.	2.5	52
47	Ï€* Molecular Orbital Crossing a2(Ï‡)/b1(Ï^) in 1,10-Phenanthroline Derivatives.Ab InitioCalculations and EPR/ENDOR Studies of the 4,7-Diaza-1,10-phenanthroline Radical Anion and Its M(CO)4Complexes (M =) Tj ETQq1 1 0.784314 rgBT	4.0	51
48	Metal-Induced Tautomerization ofp- too-Quinone Compounds: Experimental Evidence from CuI and ReI Complexes of Azophenine and DFT Studies. Chemistry - A European Journal, 2004, 10, 149-154.	3.3	51
49	Phototriggering Electron Flow through Re^Iâ€modified Pseudomonas aeruginosa Azurins. Chemistry - A European Journal, 2011, 17, 5350-5361.	3.3	51
50	2,2'-Azobis(pyridine) (abpy) as a multiply reducible tetradentate ligand. EPR evidence for the configurational dependence of intramolecular electron transfer in the stereoisomeric tris-chelate ruthenium complexes [Ru(abpy)n(bpy)3-n]m (n = 2, 3; m = 2+ to 3-). Inorganic Chemistry, 1993, 32, 3362-3368.	4.0	50
51	Redox Properties of Ruthenium Nitrosyl Porphyrin Complexes with Different Axial Ligation: Structural, Spectroelectrochemical (IR, UVâ^'Visible, and EPR), and Theoretical Studies. Inorganic Chemistry, 2008, 47, 7106-7113.	4.0	50
52	Correlated Coordination and Redox Activity of a Hemilabile Noninnocent Ligand in Nickel Complexes. Chemistry - A European Journal, 2014, 20, 5414-5422.	3.3	50
53	Reactions of New Organoplatinum(II) and -(IV) Complexes of 1,4-Diaza-1,3-butadienes with Light and Electrons. Emission vs Photochemistry and the Electronic Structures of Ground, Reduced, Oxidized, and Low-Lying Charge-Transfer Excited States. Organometallics, 1998, 17, 237-247.	2.3	47
54	Towards New Organometallic Wires: Tetraruthenium Complexes Bridged by Phenylenevinylene and Vinylpyridine Ligands. Chemistry - A European Journal, 2007, 13, 10257-10272.	3.3	46

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55	Singlet Diradical Complexes of Ruthenium and Osmium: Geometrical and Electronic Structures and their Unexpected Changes on Oxidation. Inorganic Chemistry, 2008, 47, 1625-1633.	4.0	46
56	Ligand-Centered Oxidations and Electron Delocalization in a Tetranuclear Complex of a Tetradonor-Substituted Olefin. Organometallics, 2008, 27, 3321-3324.	2.3	46
57	The Metalâ^'NO Interaction in the Redox Systems [Cl5Os(NO)]n-, n = 1â^'3, and cis-[(bpy)2ClOs(NO)]2+/+:â€‰ Calculations, Structural, Electrochemical, and Spectroscopic Results. Inorganic Chemistry, 2006, 45, 4602-4609.	4.0	44
58	Singlet Diradical Complexes of Chromium, Molybdenum, and Tungsten with Azo Anion Radical Ligands from M(CO)₆ Precursors. Inorganic Chemistry, 2007, 46, 8584-8593.	4.0	44
59	Halide Ligandsâ€"More Than Just Ïƒ-Donors? A Structural and Spectroscopic Study of Homologous Organonickel Complexes. Inorganic Chemistry, 2008, 47, 11324-11333.	4.0	44
60	Structure and Spectroelectrochemical Response of Areneâ€"Ruthenium and Areneâ€"Osmium Complexes with Potentially Hemilabile Noninnocent Ligands. Organometallics, 2014, 33, 4973-4985.	2.3	44
61	Electron-Transfer Acceleration Investigated by Time Resolved Infrared Spectroscopy. Accounts of Chemical Research, 2015, 48, 868-876.	15.6	44
62	Electron delocalization in vinyl ruthenium substituted cyclophanes: Assessment of the through-space and the through-bond pathways. Journal of Organometallic Chemistry, 2011, 696, 3186-3197.	1.8	43
63	Re and Br X-ray Absorption Near-Edge Structure Study of the Ground and Excited States of [ReBr(CO)₃(bpy)] Interpreted by DFT and TD-DFT Calculations. Inorganic Chemistry, 2013, 52, 5775-5785.	4.0	43
64	Thermally Tunable Dual Emission of the d⁸â€"d⁸ Dimer [Pt₂(Î¼-P₂O₅(BF₂)₂)₄]^{4â€"}. Inorganic Chemistry, 2016, 55, 2441-2449.	4.0	42
65	Electronic structure of radical anionic binuclear organoplatinum complexes. A multiple frequency EPR investigation. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2979-2984.	1.7	41
66	Metal vs Ligand Reduction in Complexes of 1,3-Dimethylalloxazine (DMA) with Copper(I), Ruthenium(II), and Tungsten(VI). Crystal Structures of (DMA)WO2Cl2 and (Bis(1-methylimidazol-2-yl)ketone)WO2Cl2. Inorganic Chemistry, 2000, 39, 4052-4058.	4.0	40
67	The Stable Diiron(2.5) Complex Ion [(NC)5Fe(Î¼-tz)Fe(CN)5]5-, tz = 1,2,4,5-Tetrazine, and Its Neighboring Oxidation States. Inorganic Chemistry, 2001, 40, 2256-2262.	4.0	40
68	Proof of Innocence for the Quintessential Noninnocent Ligand TCNQ in Its Tetranuclear Complex with Four [fac-Re(CO)3(bpy)]+Groups:Â Unusually Different Reactivity of the TCNX Ligands (TCNX =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.0	40
69	{(Î¼-L)[RuII(acac)2]2}n, n = 2+, +, 0, â^', 2â^', with L = 3,3â€²,4,4â€²-tetraimino-3,3â€²,4,4â€²-tetrahydrobiphenyl. EPR-supported assignment of NIR absorptions for the paramagnetic intermediates. Dalton Transactions, 2004, , 750-753.	3.3	40
70	Reduced and Excited States of (bpym)[PtCl2]n (bpym = 2,2â€˜-Bipyrimidine; n = 1, 2):â€‰ Experiments and DFT Calculations. Inorganic Chemistry, 2002, 41, 4139-4148.	4.0	39
71	Photoinduced Intramolecular Tryptophan Oxidation and Excited-State Behavior of [Re(L-AA)(CO)₃(Î±-diimine)]⁺ (L = Pyridine or Imidazole, AA = Tryptophan,) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	38
72	Electronic and molecular structure of 2,2â€²-bipyrimidine-bridged bis(organoplatinum) complexes in various oxidation states. Radical-bridged diplatinum species and the absence of a Pt(III)/Pt(II) mixed-valent intermediate. Inorganica Chimica Acta, 1997, 264, 269-278.	2.4	37

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73	Electron delocalization in mixed-valence butadienediyl-bridged diruthenium complexes. Journal of Solid State Electrochemistry, 2005, 9, 738-749.	2.5	36
74	Electronic Structure and Excited States of Rhenium(I) Amido and Phosphido Carbonylâ^'Bipyridine Complexes Studied by Picosecond Time-Resolved IR Spectroscopy and DFT Calculations. Inorganic Chemistry, 2006, 45, 9789-9797.	4.0	36
75	Solar Cell Sensitizer Models [Ru(bpy-R)₂(NCS)₂] Probed by Spectroelectrochemistry. Inorganic Chemistry, 2012, 51, 2097-2104.	4.0	36
76	Platinum(II) Complexes of 2-(Dimethylamino)ethylselenolate â^' Donorâ^'Acceptor Inter-Ligand Interactions as Evident from Experimental and TD-DFT Computational Analysis. European Journal of Inorganic Chemistry, 2001, 2001, 2965.	2.0	35
77	EPR Insensitivity of the Metal-Nitrosyl Spin-Bearing Moiety in Complexes [LnRuII-NOÂ·]k. European Journal of Inorganic Chemistry, 2004, 2004, 2902-2907.	2.0	35
78	The 1,4-diazabutadiene/1,2-enediamido non-innocent ligand system in the formation of iridaheteroaromatic compounds: Spectroelectrochemistry and electronic structure. Journal of Organometallic Chemistry, 2010, 695, 1052-1058.	1.8	35
79	Spinâ€“Orbit TDDFT Electronic Structure of Diplatinum(II,II) Complexes. Inorganic Chemistry, 2015, 54, 3491-3500.	4.0	35
80	2,5-Bis(1-phenyliminoethyl)pyrazine (bpip): a conjugated metalâ€“metal bridging acceptor ligand and its homodinuclear complexes with low-valent metal centres. Journal of the Chemical Society Dalton Transactions, 1999, , 575-582.	1.1	34
81	Charge Transport in DNA Oligonucleotides with Various Base-Pairing Patterns. Journal of Physical Chemistry B, 2010, 114, 5196-5205.	2.6	34
82	Charged, but Found â€œNot Guiltyâ€• Innocence of the Suspect Bridging Ligands [RO(O)CNNC(O)OR]^{2â€“} = L^{2â€“} in [(acac)₂Ru(Î¼-L)Ru(acac)₂]ⁿ, n = +,0,â€“,2â€“. Inorganic Chemistry, 2012, 51, 9273-9281.	4.0	34
83	Electronic Excited States of Tungsten(0) Arylisocyanides. Inorganic Chemistry, 2015, 54, 8518-8528.	4.0	34
84	Co-Ligand Involvement in Ground and Excited States of Electron-Rich (Polypyridyl)PtII Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 1917-1938.	2.0	32
85	Multiple Isomerism (cis/trans;syn/anti) in [(dmso)2Pt(aryl)2] Complexes:Â A Combined Structural, Spectroscopic, and Theoretical Investigation. Organometallics, 2005, 24, 4125-4131.	2.3	32
86	Vinyl Ruthenium-Modified Biphenyl and 2,2â€²-Bipyridines. Inorganic Chemistry, 2015, 54, 3387-3402.	4.0	32
87	Excited-State Characters and Dynamics of [W(CO)5(4-cyanopyridine)] and [W(CO)5(piperidine)] Studied by Picosecond Time-Resolved IR and Resonance Raman Spectroscopy and DFT Calculations:Â Roles of W â†' L and W â†' CO MLCT and LF Excited States Revised. Inorganic Chemistry, 2004, 43, 1723-1734.	4.0	31
88	Solvation-Driven Excited-State Dynamics of [Re(4-Et-Pyridine)(CO)₃(2,2â€˜-bipyridine)]⁺ in Imidazolium Ionic Liquids. A Time-Resolved Infrared and Phosphorescence Study. Journal of Physical Chemistry A, 2008, 112, 3506-3514.	2.5	31
89	Synthesis and electrochemical study of iron, chromium and tungsten aminocarbenes: Role of ligand structure and central metal nature. Electrochimica Acta, 2010, 55, 8341-8351.	5.2	31
90	Fine tuning of the catalytic effect of a metal-free porphyrin on the homogeneous oxygenreduction. Chemical Communications, 2011, 47, 5446-5448.	4.1	31

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91	Identifying Intermediates of Sequential Electron and Hydrogen Loss from a Dicarbonylcobalt Hydride Complex. Angewandte Chemie - International Edition, 2013, 52, 6781-6784.	13.8	30
92	On the Electronic Structure of Mesitylnickel Complexes ofÎ±-Diiminesâ€" Combining Structural Data, Spectroscopy and Calculations. European Journal of Inorganic Chemistry, 2004, 2004, 2784-2796.	2.0	28
93	Two Tryptophans Are Better Than One in Accelerating Electron Flow through a Protein. ACS Central Science, 2019, 5, 192-200.	11.3	28
94	Spectroscopy and photochemical reactivity of cyclooctadiene platinum complexes. Journal of Organometallic Chemistry, 2001, 620, 202-210.	1.8	27
95	Resonance Raman spectra of d6 metalÃ¢Â€Â“diimine complexes reflect changes in metalÃ¢Â€Â“ligand interaction and character of electronic transition. Coordination Chemistry Reviews, 2001, 219-221, 937-955.	18.8	27
96	Aminoallenylidene complexes of ruthenium(ii) from the regioselective addition of secondary amines to butatrienylidene intermediates: a combined experimental and theoretical study of the hindered rotation around the CN-bond. Dalton Transactions, 2003, , 2342-2352.	3.3	27
97	How to elucidate and control the redox sequence in vinylbenzoate and vinylpyridine bridged diruthenium complexes. Dalton Transactions, 2010, 39, 8000.	3.3	27
98	Fischer aminocarbene complexes of chromium and iron: Anomalous electrochemical reduction of p-carbonyl substituted derivatives. Electrochimica Acta, 2011, 56, 6853-6859.	5.2	27
99	Excited-state relaxation dynamics of Re(I) tricarbonyl complexes with macrocyclic phenanthroline ligands studied by time-resolved IR spectroscopy. Dalton Transactions, 2009, , 3941.	3.3	26
100	Tuning of nanodiamond particles' optical properties by structural defects and surface modifications: DFT modelling. Journal of Materials Chemistry, 2011, 21, 18248.	6.7	26
101	Crucial Role of Cuâ^'S Bonding for Structural Changes Accompanying the Reversible CuI/CuIITransition in an Unrestrained Cu(Nâ^§S)2Coordination Arrangement. An Experimental and DFT Study. Inorganic Chemistry, 2000, 39, 4731-4734.	4.0	25
102	Azo compounds as electron acceptor or radical ligands in transition metal species: spectroelectrochemistry and high-field EPR studies of ruthenium, rhodium and copper complexes of 2,2â€²-azobis(5-chloropyrimidine). Journal of Molecular Structure, 2003, 656, 183-194.	3.6	25
103	Low-Valent Cobalt Complexes with Three Different Ï€ Acceptor Ligands:Â Experimental and DFT Studies of the Reduced and the Low-Lying Excited States of (R-DAB)Co(NO)(CO), R-DAB = Substituted 1,4-Diaza-1,4-butadiene. Inorganic Chemistry, 2003, 42, 3340-3346.	4.0	25
104	Magnetical and Optical Properties of Nanodiamonds Can Be Tuned by Particles Surface Chemistry: Theoretical and Experimental Study. Journal of Physical Chemistry C, 2014, 118, 25245-25252.	3.1	25
105	Evidence for the dimer-of-(mixed-valent dimers) configuration in tetranuclear {(Î¼4-TCNX)[Ru(NH3)5]4}8+, TCNXÂ=ÂTCNE and TCNQ, from DFT calculations. Monatshefte FÃ¼r Chemie, 2009, 140, 765-773.	1.8	24
106	Metal(IV) Complexes [M(L_{N,O,S})₂]ⁿ (M = Ru, Os) of a Redoxâ€Active oâ€Amidophenolate Ligand (L_{N,O,S})^{2â€“} with Coordinating Thioether Appendix. European Journal of Inorganic Chemistry, 2012, 2012, 3569-3576.	2.0	24
107	The d0, d1and d2Configurations in Known and Unknown Tetrathiometal Compounds MS4n-(M = Mo, Tc,) Tj ETQq1 1 0.784314 rgBT	4.0	23
108	Geometrical and Electronic Structures of Dinuclear Complex Ions {(Î¼-bpym)[Cu(EAr3)2]2}2+with Intramolecular â€œOrganic Sandwichâ€•Formation (E = P or As; Ar = Aryl; bpym = 2,2â€˜-Bipyrimidine)â€. Inorganic Chemistry, 2005, 44, 4637-4643.	4.0	23

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109	RuII(Î±-diimine) or RuIII(Î±-diimineÂ·-)? Structural, Spectroscopic, and Theoretical Evidence for the Stabilization of a Prominent Metal-to-Ligand Charge-Transfer Excited-State Configuration in the Ground State. European Journal of Inorganic Chemistry, 2014, 2014, 110-119.	2.0	23
110	NO and NO2 as non-innocent ligands: A comparison. Coordination Chemistry Reviews, 2020, 404, 213114.	18.8	23
111	Photophysical Heavy-Atom Effect in Iodinated Metallocorroles: Spinâ€“Orbit Coupling and Density of States. Journal of Physical Chemistry A, 2018, 122, 7256-7266.	2.5	22
112	Spectroelectrochemistry and DFT Analysis of a New {RuNO}ⁿ Redox System with Multifrequency EPR Suggesting Conformational Isomerism in the {RuNO}⁷ State. Inorganic Chemistry, 2007, 46, 9254-9261.	4.0	21
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