

Leonardo D Slep

List of Publications by Year in descending order

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58
papers

1,871
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318942

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42
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all docs

58
docs citations

58
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	A photoinduced mixed valence photoswitch. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15121-15128.	1.3	8
2	Helpful correlations to estimate the p <i>K_a</i> of coordinated HNO: a potential pH exploration in a pendant-arm cyclam-based ruthenium nitroxyl. <i>Dalton Transactions</i> , 2021, 50, 1641-1650.	1.6	5
3	A New Member of the Growing Family of Interconvertible {RuNO} 6,7,8 Species. Redox and Acid-Base Characterization of [Ru((CH ₂) ₂ py) ₂ Me[9]aneN ₃)(NO)] ⁿ⁺ . <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4842.	1.0	2
4	Time-Resolved Exploration of a photoCORM {Ru(bpy)} Model Compound. <i>Inorganic Chemistry</i> , 2020, 59, 12075-12085.	1.9	3
5	Synthesis and crystallographic, spectroscopic and computational characterization of 3,3',4,4'-substituted biphenyls: effects of O <i>R</i> substituents on the intra-ring torsion angle. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 366-377.	0.5	0
6	<i>Cis</i> → <i>Trans</i> Interconversion in Ruthenium(II) Bipyridine Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 11606-11613.	1.9	13
7	Remarkable Changes of the Acidity of Bound Nitroxyl (HNO) in the [Ru(Me ₃ [9]aneN ₃)(L ²)(NO)] ⁿ⁺ Family (<i>n</i>) [†] . <i>Inorganic Chemistry</i> , 2018, 57, 12270-12281.	1.9	12
8	Targeting the mitochondrial VDAC in hepatocellular carcinoma using a polyclonal antibody-conjugated to a nitrosyl ruthenium complex. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 903-916.	1.1	9
9	Photoactivation of Anticancer Ru Complexes in Deep Tissue: How Deep Can We Go?. <i>Chemistry - A European Journal</i> , 2017, 23, 10832-10837.	1.7	63
10	A chemometric approach for determining the reaction quantum yields in consecutive photochemical processes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21373-21381.	1.3	15
11	Pushing the photodelivery of nitric oxide to the visible: are {FeNO} ⁷⁺ complexes good candidates?. <i>Dalton Transactions</i> , 2017, 46, 16058-16064.	1.6	6
12	Thionitrous Acid/Thionitrite and Perthionitrite Intermediates in the Crosstalk of NO and H ₂ S. <i>Advances in Inorganic Chemistry</i> , 2017, , 277-309.	0.4	8
13	Enhanced Antitumor Activity against Melanoma Cancer Cells by Nitric Oxide Release and Photosensitized Generation of Singlet Oxygen from Ruthenium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3592-3597.	1.0	26
14	Structural, Spectroscopic, and Photochemical Investigation of an Octahedral NO-Releasing {RuNO} ⁷⁺ Species. <i>Inorganic Chemistry</i> , 2016, 55, 7808-7810.	1.9	18
15	Influence of methoxy-substituents on the strength of Br ⋯ Br type II halogen bonds in bromobenzoic acid. <i>Journal of Molecular Structure</i> , 2016, 1108, 235-244.	1.8	2
16	Exploring the photo-stability of the {Ru(py) ₄ } ²⁺ fragment. <i>Inorganica Chimica Acta</i> , 2015, 429, 174-182.	1.2	9
17	Three Redox States of Metallonitrosyls in Aqueous Solution. <i>Advances in Inorganic Chemistry</i> , 2015, , 87-144.	0.4	18
18	Nitrosyl-Centered Redox and Acid-Base Interconversions in [Ru(Me ₃ [9]aneN ₃)(bpy)(NO)] ^{3,2,1+} . The p <i>K_a</i> of HNO for its Nitroxyl Derivative in Aqueous Solution. <i>Inorganic Chemistry</i> , 2014, 53, 981-997.	1.9	24

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19	Fluorescent Ligands and Energy Transfer in Photoactive Ruthenium-Bipyridine Complexes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10416-10424.	1.1	13
20	Class III Delocalization in a Cyanide-Bridged Trimetallic Mixed-Valence Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1293-1296.	7.2	64
21	Communication between Remote Moieties in Linear Ru-Ru-Ru Trimetallic Cyanide-Bridged Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 2906-2917.	1.9	49
22	An Electron-Rich {RuNO} ₆ Complex: trans-[Ru(DMAP) ₄ (NO)(OH)] ₂ ⁺ - Structure and Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4301-4309.	1.0	7
23	Four Nillcomplexes with the new cyclam-methylimidazole ligand 1-[(1-methyl-1H-imidazol-2-yl)methyl]-1,4,8,11-tetraazacyclotetradecane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, m121-m126.	0.4	1
24	Chlorido(4,4'-dimethoxy-2,2'-bipyridine)(1,4,7-trimethyl-1,4,7-triazacyclononane)ruthenium(II) perchlorate acetonitrile disolvate and aqua(4,4'-dimethoxy-2,2'-bipyridine)(1,4,7-trimethyl-1,4,7-triazacyclononane)ruthenium(II) bis(perchlorate) dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, m127-m130.	0.4	2
25	An unexpected carboxylato-bridged-only hexanuclear copper compound. <i>Inorganica Chimica Acta</i> , 2011, 374, 499-505.	1.2	5
26	Widely Differing Photochemical Behavior in Related Octahedral {Ru-NO} ₆ Compounds: Intramolecular Redox Isomerism of the Excited State Controlling the Photodelivery of NO. <i>Inorganic Chemistry</i> , 2010, 49, 6925-6930.	1.9	46
27	Three Redox States of Nitrosyl: NO ⁺ , NO, and NO ⁻ /HNO Interconvert Reversibly on the Same Pentacyanoferrate(II) Platform. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4213-4216.	7.2	77
28	Magnetic circular dichroism spectroscopy of weakly exchange coupled transition metal dimers: A model study. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2352-2362.	9.5	24
29	All-trans-[ClRu ^{II} (py) ₄ (NC)Ru ^{II} (py) ₄ (CN)Ru ^{II} (py) ₄] ⁺ A Redox-Active 2-Donor/1-Acceptor System Based on the Electrophilic {RuNO} ₆ Motif. <i>Inorganic Chemistry</i> , 2009, 48, 565-573.	1.9	16
30	From Monomers to Geometry-Constrained Molecules: One Step Further Toward Cyanide Bridged Wires. <i>Inorganic Chemistry</i> , 2009, 48, 11226-11235.	1.9	19
31	Ruthenium(II) 2,2'-Bipyridyl Tetrakis Acetonitrile Undergoes Selective Axial Photocleavage. <i>Inorganic Chemistry</i> , 2008, 47, 951-956.	1.9	38
32	Reactivity of Reduced Nitroprusside, [Fe(CN) ₅ NO] ³⁻ , toward Oxygen. <i>Journal of the American Chemical Society</i> , 2007, 129, 278-279.	6.6	30
33	A new copper(II) di-μ ₂ -carboxylato bridged dinuclear complex: [Cu(oda)phen] ₂ ·6H ₂ O (oda=oxydiacetate,) <i>Tj ETQq1 1 0.784314 rgBT</i>	1.8	32
34	New features in the redox coordination chemistry of metal nitrosyls {M ⁺ NO ⁺ ; M ⁺ NO; M ⁺ NO ⁻ (HNO)}. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1903-1930.	9.5	164
35	A seven-coordinate Fe(III) compound: [Fe{O(CH ₂ CO ₂) ₂ }(H ₂ O) ₂ (NO ₃)]. Preparation, structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2007, 360, 2911-2916.	1.2	9
36	A new ruthenium nitrosyl species based on a pendant-arm 1,4,8,11-tetraazacyclotetradecane (cyclam) derivative: An experimental and theoretical study. <i>Polyhedron</i> , 2007, 26, 4719-4730.	1.0	17

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37	Crystal Structure and Electronic and Magnetic Properties of Hexacyanoosmate(III). <i>Inorganic Chemistry</i> , 2006, 45, 2361-2363.	1.9	40
38	Exchange coupling across the cyanide bridge: structural and DFT interpretation of the magnetic properties of a binuclear chromium(III) complex. <i>Dalton Transactions</i> , 2006, , 948-954.	1.6	23
39	New Ruthenium Nitrosyl Complexes with Tris(1-pyrazolyl)methane (tpm) and 2,2'-Bipyridine (bpy) Coligands. Structure, Spectroscopy, and Electrophilic and Nucleophilic Reactivities of Bound Nitrosyl. <i>Inorganic Chemistry</i> , 2006, 45, 8608-8617.	1.9	70
40	Donor-Acceptor Interactions and Electron Transfer in Cyano-Bridged Trinuclear Compounds. <i>Inorganic Chemistry</i> , 2006, 45, 10595-10604.	1.9	21
41	Performance of Nonrelativistic and Quasi-Relativistic Hybrid DFT for the Prediction of Electric and Magnetic Hyperfine Parameters in ^{57}Fe Mössbauer Spectra. <i>Inorganic Chemistry</i> , 2005, 44, 2245-2254.	1.9	214
42	Nonoxovanadium(IV) and Oxovanadium(V) Complexes with Mixed O, X, O-Donor Ligands (X = S, Se, P, or Tj ETQq0 0 0 rgBT /Overlock 1	1.9	82
43	Fine Tuning of the Electronic Coupling between Metal Centers in Cyano-Bridged Mixed-Valent Trinuclear Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 6762-6773.	1.9	53
44	Bioinorganic Reaction Mechanisms: From High-Valent Iron to Bioorganometallic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2942-2945.	7.2	23
45	Photoinduced Electron-Transfer Reaction between the Erythrosin Dianion and $\text{Mo}(\text{CN})_8^{4-}$ in the Presence of Various Cations. The First Example of Enthalpy-Entropy Compensation in Electron Transfer between Anions. <i>Journal of Physical Chemistry A</i> , 2003, 107, 439-446.	1.1	7
46	Mixed-Valent $\{\text{Fe}^{\text{IV}}(\text{O})(\text{O}^{\text{IV}}\text{-carboxylato})_2\text{Fe}^{\text{III}}\}^{3+}$ Core. <i>Journal of the American Chemical Society</i> , 2003, 125, 15554-15570.	6.6	82
47	Kinetics and Mechanism of Ligand Interchange in Pentacyano-L-osmate(II) Complexes (L = H ₂ O, NH ₃ ,) Tj ETQq1 1 0,784314 rgBT /Overl	1.9	18
48	Metallonitrosyl Fragment as Electron Acceptor: Intramolecular Charge Transfer, Long Range Electronic Coupling, and Electrophilic Reactivity in the $\text{trans}-[\text{NCRu}(\text{py})_4(\text{CN})\text{Ru}(\text{py})_4\text{NO}]^{3+}$ Ion. <i>Inorganic Chemistry</i> , 2002, 41, 1930-1939.	1.9	45
49	Charge Transfer Spectroscopy in Low-Spin d^6 Pentacyano and Pentaammine Complexes. <i>Journal of the American Chemical Society</i> , 2001, 123, 7186-7187.	6.6	4
50	EPR Characteristics of the $[(\text{NC})_5\text{M}(\text{NO})]^{3-}$ Ions (M = Fe, Ru, Os). Experimental and DFT Study Establishing NO as a Ligand. <i>Inorganic Chemistry</i> , 2001, 40, 5704-5707.	1.9	87
51	Reduction of the NO ⁺ ligand in the pentacyanonitrosylosmate(II) ion. <i>Inorganica Chimica Acta</i> , 1999, 285, 129-133.	1.2	27
52	Basicity of Coordinated Pyrazine and Bonding Interactions with $[\text{M}^{\text{II}}(\text{CN})_5]^{3-}$ Fragments (M = Fe, Ru,) Tj ETQq0 0 0 rgBT /Overlock 10 TF	1.9	22
53	Influence of Solvent Effects on the Basicity of Pentaammine(pyrazine)ruthenium(II) and Pentacyano(pyrazine)ruthenate(II) Ions: A Density Functional Study. <i>Inorganic Chemistry</i> , 1998, 37, 2033-2038.	1.9	14
54	Spectroelectrochemical Characterization of the Two-Step Redox System $\{(\text{O}^{\text{IV}}\text{-pz})[\text{Os}(\text{CN})_5]_2\}^{n-}$ (n = 4, 5, 6;) Tj ETQq0 0 0 rgBT /Overl	1.9	42

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55	The mpz^+/mpz^{\bullet} Pair as Organic Analogue of the NO^+/NO^{\bullet} Ligand Redox System (mpz) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Complexes $[(mpz)M(CN)_5]^{2-/3-}$ ($M = Fe, Ru, Os$). Inorganic Chemistry, 1997, 36, 2969-2974.	1.9	49
56	Structure and Bonding in Pentacyano(L)ferrate(II) and Pentacyano(L)ruthenate(II) Complexes ($L =$) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6832-6837.	1.9	24
57	Synthesis and Electronic Structure of Pentacyanoosmate(II) Complexes with N-Heterocyclic Ligands. Inorganic Chemistry, 1996, 35, 6327-6333.	1.9	19
58	Theoretical and Experimental Study of Medium Effects on the Structure and Spectroscopy of the $[Fe(CN)_5NO]^{2-}$ Ion. Inorganic Chemistry, 1996, 35, 3897-3903.	1.9	59