

John F Endicott

List of Publications by Year in descending order

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citations

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26
h-index

315739

38
g-index

60
all docs

60
docs citations

60
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-IR Charge-Transfer Emission at 77 K and Density Functional Theory Modeling of Ruthenium(II)-Dipyrrinato Chromophores: High Phosphorescence Efficiency of the Emitting State Related to Spin-Orbit Coupling Mediation of Intensity from Numerous Low-Energy Singlet Excited States. <i>Journal of Physical Chemistry A</i> , 2021, 125, 903-919.	2.5	6
2	Low-Temperature Spectra and Density Functional Theory Modeling of Ru(II)-Bipyridine Complexes with Cyclometalated Ancillary Ligands: The Excited State Spin-Orbit Coupling Origin of Variations in Emission Efficiencies. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9431-9449.	2.5	8
3	Chemical Scavenging Yields for Short-Lived Products from the Visible Light Photoionization of the Tris(bipyridine)ruthenium(II) Triplet Metal-to-Ligand Charge-Transfer Excited State. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9251-9266.	2.5	3
4	Affinity-Enhanced Luminescent Re(I)- and Ru(II)-Based Inhibitors of the Cysteine Protease Cathepsin L. <i>Inorganic Chemistry</i> , 2018, 57, 7881-7891.	4.0	5
5	Are Very Small Emission Quantum Yields Characteristic of Pure Metal-to-Ligand Charge-Transfer Excited States of Ruthenium(II)-(Acceptor Ligand) Chromophores?. <i>Inorganic Chemistry</i> , 2016, 55, 7341-7355.	4.0	8
6	Energy Dependence of the Ruthenium(II)-Bipyridine Metal-to-Ligand-Charge-Transfer Excited State Radiative Lifetimes: Effects of π -(bipyridine) Mixing. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7393-7406.	2.6	17
7	Selective Photodissociation of Acetonitrile Ligands in Ruthenium Polypyridyl Complexes Studied by Density Functional Theory. <i>Inorganic Chemistry</i> , 2015, 54, 8003-8011.	4.0	38
8	Metal-to-Ligand Charge-Transfer Emissions of Ruthenium(II) Pentaammine Complexes with Monodentate Aromatic Acceptor Ligands and Distortion Patterns of their Lowest Energy Triplet Excited States. <i>Inorganic Chemistry</i> , 2015, 54, 8495-8508.	4.0	15
9	A density functional theory and spectroscopic study of intramolecular quenching of metal-to-ligand charge-transfer excited states in some mono-bipyridine ruthenium(II) complexes. <i>Canadian Journal of Chemistry</i> , 2014, 92, 996-1009.	1.1	9
10	Electronic coupling between metal ions in cyanide-bridged ground state and excited state mixed valence complexes. <i>Coordination Chemistry Reviews</i> , 2013, 257, 1676-1698.	18.8	45
11	Experimental and DFT Characterization of Metal-to-Ligand Charge-Transfer Excited States of (Rutheniumammine)(Monodentate Aromatic Ligand) Chromophores. <i>Inorganic Chemistry</i> , 2013, 52, 9774-9790.	4.0	19
12	Computational Modeling of the Triplet Metal-to-Ligand Charge-Transfer Excited-State Structures of Mono-Bipyridine Ruthenium(II) Complexes and Comparisons to their 77 K Emission Band Shapes. <i>Inorganic Chemistry</i> , 2013, 52, 1185-1198.	4.0	26
13	Characterization of Low Energy Charge Transfer Transitions in (terpyridine)(bipyridine)Ruthenium(II) Complexes and their Cyanide-Bridged Bi- and Tri-Metallic Analogues. <i>Inorganic Chemistry</i> , 2011, 50, 11965-11977.	4.0	39
14	Effects of Electronic Mixing in Ruthenium(II) Complexes with Two Equivalent Acceptor Ligands. Spectroscopic, Electrochemical, and Computational Studies. <i>Inorganic Chemistry</i> , 2010, 49, 6840-6852.	4.0	29
15	Contrasts between the Vibronic Contributions in the tris-(2,2'-bipyridyl)Osmium(II) Emission Spectrum and the Implications of Resonance-Raman Parameters. <i>Inorganic Chemistry</i> , 2009, 48, 2818-2829.	4.0	7
16	Effects of Excited State Excited State Configurational Mixing on Emission Bandshape Variations in Ruthenium Bipyridine Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 7493-7511.	4.0	27
17	Metal-to-Metal Electron-Transfer Emission in Cyanide-Bridged Chromium Ruthenium Complexes: Effects of Configurational Mixing Between Ligand Field and Charge Transfer Excited States. <i>Inorganic Chemistry</i> , 2008, 47, 10921-10934.	4.0	21
18	Contrasts in the 77 K Emission Spectra, Structures, and Dynamics of Metal-to-Metal and Metal-to-Ligand Charge-Transfer Excited States. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6748-6760.	2.6	17

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19	Charge transfer-excited state emission spectra of mono- and bi-metallic coordination complexes: Band shapes, reorganizational energies and lifetimes. <i>Coordination Chemistry Reviews</i> , 2007, 251, 328-350.	18.8	29
20	Observations concerning light promoted electronic delocalization in covalently linked transition metal complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 913-922.	2.4	9
21	Probes of the Metal-to-Ligand Charge-Transfer Excited States in Ruthenium-Am(m)ine-Bipyridine Complexes: The Effects of NH/ND and CH/CD Isotopic Substitution on the 77 K Luminescence. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7970-7981.	2.5	18
22	Influence of the Innocent Ligands on the MLCT Excited-State Behavior of Mono(bipyridine)ruthenium(II) Complexes: A Comparison of X-ray Structures and 77 K Luminescence Properties. <i>Inorganic Chemistry</i> , 2006, 45, 6282-6297.	4.0	33
23	Emission band shape probes of the mixed-valence excited state properties of polypyridyl-bridged bis-ruthenium(II) complexes. <i>Chemical Physics</i> , 2006, 326, 79-96.	1.9	16
24	Electron-transfer spectroscopy: donor-acceptor electronic coupling, reorganizational energies, reaction pathways and dynamics. <i>Coordination Chemistry Reviews</i> , 2005, 249, 343-373.	18.8	42
25	The Characterization of the High-Frequency Vibronic Contributions to the 77 K Emission Spectra of Ruthenium-Am(m)ine-Bipyridyl Complexes, Their Attenuation with Decreasing Energy Gaps, and the Implications of Strong Electronic Coupling for Inverted-Region Electron Transfer. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4671-4689.	2.5	34
26	Electron-Transfer Emission Spectra of a Cyanide-Bridged, Cr(III)/Ru(II) Donor-Acceptor Complex: High Frequency (NH and C ¹⁵ N) Vibronic Contributions from Empirical Reorganizational Energy Profiles. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5041-5049.	2.5	28
27	The Metal-to-Ligand Charge-Transfer Luminescences of Ruthenium(II)-Polypyridine-Tetraam(m)ine Complexes. Support for the Interconvertibility of Optical and Thermal (Kinetic) Franck-Condon Parameters. <i>Inorganic Chemistry</i> , 2003, 42, 5040-5042.	4.0	15
28	Characteristics and Properties of Metal-to-Ligand Charge-Transfer Excited States in 2,3-Bis(2-pyridyl)pyrazine and 2,2'-Bipyridine Ruthenium Complexes. Perturbation-Theory-Based Correlations of Optical Absorption and Emission Parameters with Electrochemistry and Thermal Kinetics and Related Ab Initio Calculations. <i>Inorganic Chemistry</i> , 2002, 41, 1502-1517.	4.0	65
29	MLCT excited states and charge delocalization in some ruthenium-ammine-polypyridyl complexes. <i>Coordination Chemistry Reviews</i> , 2002, 229, 95-106.	18.8	64
30	Some spectroscopic aspects of electron transfer in ruthenium(II) polypyridyl complexes. <i>Research on Chemical Intermediates</i> , 2002, 28, 761-777.	2.7	18
31	Electron/Atom Transfer in Halo-Bridged Homobimetallic Complexes. Structure and Donor-Acceptor Properties of Face-to-Face Dicopper Complexes with Teraazamacrocyclic Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 1614-1625.	4.0	19
32	Correlations of optical and thermal charge transfer. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 687-712.	18.8	24
33	Electron transfer emission in simple transition metal donor-acceptor systems. <i>Coordination Chemistry Reviews</i> , 2000, 208, 61-75.	18.8	27
34	Vibronic Coupling in Dicyano-Complex-Bridged Mixed-Valence Complexes. Relaxation of Vibronic Constraints in Systems with Degenerate Bridging-Ligand and Electron-Transfer Excited States. <i>Inorganic Chemistry</i> , 2000, 39, 437-446.	4.0	56
35	Ground-State, Mode-Dependent Vibronic Coupling in Some Simple, Cyanide-Bridged Transition-Metal Donor-Acceptor Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 5091-5101.	4.0	33
36	What Does Through-Bond Coupling Mean? Observations on Simple Donor-Acceptor Systems. <i>Journal of Physical Chemistry A</i> , 1998, 102, 7537-7540.	2.5	24

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37	Spectroscopic and Electrochemical Probes of Electronic Coupling in Some Cyanide-Bridged Transition Metal Donor/Acceptor Complexes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8441-8459.	2.5	49
38	Ligand-Induced, Stereochemical Relaxation of Electronic Constraints in a Simple Chemical Process. <i>Advances in Chemistry Series</i> , 1997, , 199-220.	0.6	12
39	Observations implicating vibronic coupling in covalently linked transition metal electron transfer systems. <i>Coordination Chemistry Reviews</i> , 1997, 159, 295-323.	18.8	31
40	Red-Shifted Cyanide Stretching Frequencies in Cyanide-Bridged Transition Metal Donor/Acceptor Complexes. Support for Vibronic Coupling. <i>Inorganic Chemistry</i> , 1996, 35, 3463-3473.	4.0	64
41	Photoinduced electron transfer in linked transition metal donor/acceptor complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 82, 181-190.	3.9	25
42	Excited state energy of (3MLCT) Ru (bpy) ₂ +3 by time-resolved thermal lens and photoacoustic methods in aqueous solutions. <i>Chemical Physics Letters</i> , 1993, 204, 400-406.	2.6	17
43	Electrochemical and spectroscopic manifestations of donor-acceptor coupling in cyanide bridged transition metal complexes: contrasts between Ru-CN-Ru, Co-CN-Ru and Rh-CN-Ru systems. <i>Chemical Physics</i> , 1993, 176, 427-438.		31
44	Photoinduced electron-transfer processes involving covalently linked ruthenium and cobalt polypyridyl complexes: comparison of electronic coupling in bridged and nonbridged ruthenium and cobalt complexes. <i>The Journal of Physical Chemistry</i> , 1993, 97, 3225-3236.	2.9	75
45	Stereochemical alterations of 2E chromium(III) excited-state behavior in dicyanotetraazacyclotetradecane complexes. Ground-state x-ray crystal structures, photophysical behavior, and molecular mechanics simulations of stereochemical effects. <i>Inorganic Chemistry</i> , 1992, 31, 3091-3103.	4.0	52
46	Photoinduced electron transfer in multimetal complexes. Observations on electronically forbidden back electron transfers. <i>Journal of the American Chemical Society</i> , 1992, 114, 6916-6917.	13.7	25
47	Perturbations of the low-energy doublet excited state of chromium(III). Competing heavy-atom and macrocyclic ligand effects in thermally activated relaxation pathways. <i>Inorganic Chemistry</i> , 1989, 28, 2574-2583.	4.0	22
48	Multiple channel nuclear and electronic tunneling in the low-temperature decay of the 2E excited state of chromium(III) complexes. <i>The Journal of Physical Chemistry</i> , 1989, 93, 1752-1759.	2.9	26
49	Synthesis, spectroscopy, and photophysical behavior of mixed-ligand mono- and bis(polypyridyl)chromium(III) complexes. Examples of efficient, thermally activated excited-state relaxation without back intersystem crossing. <i>Inorganic Chemistry</i> , 1988, 27, 2203-2214.	4.0	68
50	Modifications of transition-metal reaction patterns through the manipulation of superexchange couplings. <i>Accounts of Chemical Research</i> , 1988, 21, 59-66.	15.6	35
51	Mechanistic Implications of Pressure-Dependent Photochemical and Photophysical Parameters of Chromium(III) Complexes. <i>Comments on Inorganic Chemistry</i> , 1987, 6, 91-102.	5.2	14
52	Structure and reactivity of the metal-centered transition metal excited states. <i>Coordination Chemistry Reviews</i> , 1987, 77, 1-87.	18.8	64
53	Manipulation of Doublet Excited State Lifetimes in Chromium(III) Complexes. <i>ACS Symposium Series</i> , 1986, , 85-103.	0.5	6
54	Concerning Models for Substitution Reactions of Vibrationally Equilibrated Transition Metal Excited States. <i>Comments on Inorganic Chemistry</i> , 1985, 3, 349-365.	5.2	6

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55	Electron-transfer reactivity in some simple cobalt(III)-cobalt(II) couples. Franck-Condon vs. electronic contributions. <i>Inorganic Chemistry</i> , 1983, 22, 3754-3762.	4.0	57
56	The Charge Transfer Photochemistry of Coordination Complexes in Aqueous Solution. <i>Israel Journal of Chemistry</i> , 1970, 8, 209-226.	2.3	6
57	Structural and Photochemical Probes of Electron Transfer Reactivity. <i>Progress in Inorganic Chemistry</i> , 0, , 141-187.	3.0	35