John F Endicott

List of Publications by Year
in descending order

57	1,613	218677	315739
papers	citations	26 h-index	38 g-index

60	60	60	1019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoinduced electron-transfer processes involving covalently linked ruthenium and cobalt polypyridyl complexes: comparison of electronic coupling in bridged and nonbridged ruthenium and cobalt complexes. The Journal of Physical Chemistry, 1993, 97, 3225-3236.	2.9	75
2	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. Inorganic Chemistry, 1988, 27, 2203-2214.	4.0	68
3	Characteristics and Properties of Metal-to-Ligand Charge-Transfer Excited States in 2,3-Bis(2-pyridyl)pyrazine and 2,2â€˜-Bypyridine Ruthenium Complexes. Perturbation-Theory-Based Correlations of Optical Absorption and Emission Parameters with Electrochemistry and Thermal Kinetics and Related Ab Initio Calculations. Inorganic Chemistry, 2002, 41, 1502-1517.	4.0	65
4	Structure and reactivity of the metal-centered transition metal excited states. Coordination Chemistry Reviews, 1987, 77, 1-87.	18.8	64
5	Red-Shifted Cyanide Stretching Frequencies in Cyanide-Bridged Transition Metal Donorâ^'Acceptor Complexes. Support for Vibronic Coupling. Inorganic Chemistry, 1996, 35, 3463-3473.	4.0	64
6	MLCT excited states and charge delocalization in some rutheniumâ€“ammineâ€“polypyridyl complexes. Coordination Chemistry Reviews, 2002, 229, 95-106.	18.8	64
7	Electron-transfer reactivity in some simple cobalt(III)-cobalt(II) couples. Franck-Condon vs. electronic contributions. Inorganic Chemistry, 1983, 22, 3754-3762.	4.0	57
8	Vibronic Coupling in Dicyano-Complex-Bridged Mixed-Valence Complexes. Relaxation of Vibronic Constraints in Systems with Degenerate Bridging-Ligand and Electron-Transfer Excited States. Inorganic Chemistry, 2000, 39, 437-446.	4.0	56
9	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. Inorganic Chemistry, 1992, 31, 3091-3103.	4.0	52
10	Spectroscopic and Electrochemical Probes of Electronic Coupling in Some Cyanide-Bridged Transition Metal Donor/Acceptor Complexes. Journal of Physical Chemistry A, 1997, 101, 8441-8459.	2.5	49
11	Electronic coupling between metal ions in cyanide-bridged ground state and excited state mixed valence complexes. Coordination Chemistry Reviews, 2013, 257, 1676-1698.	18.8	45
12	Electron-transfer spectroscopy: donorâ€“acceptor electronic coupling, reorganizational energies, reaction pathways and dynamics. Coordination Chemistry Reviews, 2005, 249, 343-373.	18.8	42
13	Characterization of Low Energy Charge Transfer Transitions in (terpyridine)(bipyridine)Ruthenium(II) Complexes and their Cyanide-Bridged Bi- and Tri-Metallic Analogues. Inorganic Chemistry, 2011, 50, 11965-11977.	4.0	39
14	Selective Photodissociation of Acetonitrile Ligands in Ruthenium Polypyridyl Complexes Studied by Density Functional Theory. Inorganic Chemistry, 2015, 54, 8003-8011.	4.0	38
15	Modifications of transition-metal reaction patterns through the manipulation of superexchange couplings. Accounts of Chemical Research, 1988, 21, 59-66.	15.6	35
16	Structural and Photochemical Probes of Electron Transfer Reactivity. Progress in Inorganic Chemistry, 0, , 141-187.	3.0	35
17	The Characterization of the High-Frequency Vibronic Contributions to the 77 K Emission Spectra of Rutheniumâ^'Am(m)ineâ^'Bipyridyl Complexes, Their Attenuation with Decreasing Energy Gaps, and the Implications of Strong Electronic Coupling for Inverted-Region Electron Transfer. Journal of Physical Chemistry A, 2005, 109, 4671-4689.	2.5	34
18	Ground-State, Mode-Dependent Vibronic Coupling in Some Simple, Cyanide-Bridged Transition-Metal Donorâ^'Acceptor Complexes. Inorganic Chemistry, 1999, 38, 5091-5101.	4.0	33

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19	Influence of the â€œInnocentâ€•Ligands on the MLCT Excited-State Behavior of Mono(bipyridine)ruthenium(II) Complexes:Â A Comparison of X-ray Structures and 77 K Luminescence Properties. Inorganic Chemistry, 2006, 45, 6282-6297.	4.0	33
20	Electrochemical and spectroscopic manifestations of donor-acceptor coupling in cyanide bridged transition metal complexes: contrasts between Ruî—¸CNî—¸Ru, Coî—¸CNî—¸Ru and Rhî—¸CNî—¸Ru systems. Chemical Physics, 1993, 176, 427-438.	1.9	31
21	Observations implicating vibronic coupling in covalently linked transition metal electron transfer systems. Coordination Chemistry Reviews, 1997, 159, 295-323.	18.8	31
22	Charge transfer-excited state emission spectra of mono- and bi-metallic coordination complexes: Band shapes, reorganizational energies and lifetimes. Coordination Chemistry Reviews, 2007, 251, 328-350.	18.8	29
23	Effects of Electronic Mixing in Ruthenium(II) Complexes with Two Equivalent Acceptor Ligands. Spectroscopic, Electrochemical, and Computational Studies. Inorganic Chemistry, 2010, 49, 6840-6852.	4.0	29
24	Electron-Transfer Emission Spectra of a Cyanide-Bridged, Cr(III)/Ru(II) Donorâ^'Acceptor Complex:â€‰ High Frequency (NH and Câ‹®N) Vibronic Contributions from Empirical Reorganizational Energy Profiles. Journal of Physical Chemistry A, 2004, 108, 5041-5049.	2.5	28
25	Electron transfer emission in simple transition metal donorâ€“acceptor systems. Coordination Chemistry Reviews, 2000, 208, 61-75.	18.8	27
26	Effects of Excited Stateâ^'Excited State Configurational Mixing on Emission Bandshape Variations in Rutheniumâ^'Bipyridine Complexes. Inorganic Chemistry, 2008, 47, 7493-7511.	4.0	27
27	Multiple channel nuclear and electronic tunneling in the low-temperature decay of the 2E excited state of chromium(III) complexes. The Journal of Physical Chemistry, 1989, 93, 1752-1759.	2.9	26
28	Computational Modeling of the Triplet Metal-to-Ligand Charge-Transfer Excited-State Structures of Mono-Bipyridineâ€“Ruthenium(II) Complexes and Comparisons to their 77 K Emission Band Shapes. Inorganic Chemistry, 2013, 52, 1185-1198.	4.0	26
29	Photoinduced electron transfer in multimetal complexes. Observations on electronically forbidden back electron transfers. Journal of the American Chemical Society, 1992, 114, 6916-6917.	13.7	25
30	Photoinduced electron transfer in linked transition metal donorâ€”acceptor complexes. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 82, 181-190.	3.9	25
31	What Does â€œThrough-Bond Couplingâ€•Mean? Observations on Simple Donorâ^'Acceptor Systems. Journal of Physical Chemistry A, 1998, 102, 7537-7540.	2.5	24
32	Correlations of optical and thermal charge transfer. Coordination Chemistry Reviews, 2001, 219-221, 687-712.	18.8	24
33	Perturbations of the low-energy doublet excited state of chromium(III). Competing heavy-atom and macrocyclic ligand effects in thermally activated relaxation pathways. Inorganic Chemistry, 1989, 28, 2574-2583.	4.0	22
34	Metal-to-Metal Electron-Transfer Emission in Cyanide-Bridged Chromiumâ^'Ruthenium Complexes: Effects of Configurational Mixing Between Ligand Field and Charge Transfer Excited States. Inorganic Chemistry, 2008, 47, 10921-10934.	4.0	21
35	Electron/Atom Transfer in Halo-Bridged Homobimetallic Complexes. Structure and Donorâ^'Acceptor Properties of Face-to-Face Dicopper Complexes with Teraazamacrocyclic Ligands. Inorganic Chemistry, 2001, 40, 1614-1625.	4.0	19
36	Experimental and DFT Characterization of Metal-to-Ligand Charge-Transfer Excited States of (Rutheniumammine)(Monodentate Aromatic Ligand) Chromophores. Inorganic Chemistry, 2013, 52, 9774-9790.	4.0	19

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37	Some spectroscopic aspects of electron transfer in ruthenium(II) polypyridyl complexes. Research on Chemical Intermediates, 2002, 28, 761-777.	2.7	18
38	Probes of the Metal-to-Ligand Charge-Transfer Excited States in Ruthenium-Am(m)ine-Bipyridine Complexes:Â The Effects of NH/ND and CH/CD Isotopic Substitution on the 77 K Luminescence. Journal of Physical Chemistry A, 2006, 110, 7970-7981.	2.5	18
39	Excited state energy of (3MLCT) Ru (bpy)2+3 by time-resolved thermal lens and photoacoustic methods in aqueous solutions. Chemical Physics Letters, 1993, 204, 400-406.	2.6	17
40	Contrasts in the 77 K Emission Spectra, Structures, and Dynamics of Metal-to-Metal and Metal-to-Ligand Charge-Transfer Excited Statesâ€. Journal of Physical Chemistry B, 2007, 111, 6748-6760.	2.6	17
41	Energy Dependence of the Ruthenium(II)-Bipyridine Metal-to-Ligand-Charge-Transfer Excited State Radiative Lifetimes: Effects of Ï€Ï€*(bipyridine) Mixing. Journal of Physical Chemistry B, 2015, 119, 7393-7406.	2.6	17
42	Emission band shape probes of the mixed-valence excited state properties of polypyridyl-bridged bis-ruthenium(II) complexes. Chemical Physics, 2006, 326, 79-96.	1.9	16
43	The Metal-to-Ligand Charge-Transfer Luminescences of Ruthenium(II)â^'Polypyridineâ^'Tetraam(m)ine Complexes. Support for the Interconvertibility of Optical and Thermal (Kinetic) Franckâ^'Condon Parameters. Inorganic Chemistry, 2003, 42, 5040-5042.	4.0	15
44	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. Inorganic Chemistry, 2015, 54, 8495-8508.	4.0	15
45	Mechanistic Implications of Pressure-Dependent Photochemical and Photophysical Parameters of Chromium(III) Complexes. Comments on Inorganic Chemistry, 1987, 6, 91-102.	5.2	14
46	Ligand-Induced, Stereochemical Relaxation of Electronic Constraints in a Simple Chemical Process. Advances in Chemistry Series, 1997, , 199-220.	0.6	12
47	Observations concerning light promoted electronic delocalization in covalently linked transition metal complexes. Inorganica Chimica Acta, 2007, 360, 913-922.	2.4	9
48	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. Canadian Journal of Chemistry, 2014, 92, 996-1009.	1.1	9
49	Are Very Small Emission Quantum Yields Characteristic of Pure Metal-to-Ligand Charge-Transfer Excited States of Ruthenium(II)-(Acceptor Ligand) Chromophores?. Inorganic Chemistry, 2016, 55, 7341-7355.	4.0	8
50	Low-Temperature Spectra and Density Functional Theory Modeling of Ru(II)-Bipyridine Complexes with Cyclometalated Ancillary Ligands: The Excited State Spinâ€“Orbit Coupling Origin of Variations in Emission Efficiencies. Journal of Physical Chemistry A, 2019, 123, 9431-9449.	2.5	8
51	Contrasts between the Vibronic Contributions in the tris-(2,2â€²-bipyridyl)Osmium(II) Emission Spectrum and the Implications of Resonance-Raman Parameters. Inorganic Chemistry, 2009, 48, 2818-2829.	4.0	7
52	The Charge Transfer Photochemistry of Coordination Complexes in Aqueous Solution. Israel Journal of Chemistry, 1970, 8, 209-226.	2.3	6
53	Concerning Models for Substitution Reactions of Vibrationally Equilibrated Transition Metal Excited States. Comments on Inorganic Chemistry, 1985, 3, 349-365.	5.2	6
54	Manipulation of Doublet Excited State Lifetimes in Chromium(III) Complexes. ACS Symposium Series, 1986, , 85-103.	0.5	6

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55	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 Spinâ€“Orbit Coupling Mediation of Intensity from Numerous Low-Energy Singlet Excited States. Journal of Physical Chemistry A, 2021, 125, 903-919.	2.5	6
56	Affinity-Enhanced Luminescent Re(I)- and Ru(II)-Based Inhibitors of the Cysteine Protease Cathepsin L. Inorganic Chemistry, 2018, 57, 7881-7891.	4.0	5
57	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. Journal of Physical Chemistry A, 2018, 122, 9251-9266.	2.5	3