James F Wishart

List of Publications by Year
in descending order

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166 papers	7,605 citations	61984 43 h-index	58581 82 g-index
173 all docs	173 docs citations	173 times ranked	6406 citing authors

#	Article	IF	Citations
1	Visualizing time-dependent microstructural and chemical evolution during molten salt corrosion of Ni-20Cr model alloy using correlative quasi in situ TEM and in situ synchrotron X-ray nano-tomography. Corrosion Science, 2022, 195, 109962.	6.6	19
2	Magic angle spinning dynamic nuclear polarization solid-state NMR spectroscopy of Î³-irradiated molecular organic solids. Solid State Nuclear Magnetic Resonance, 2022, 119, 101785.	2.3	13
3	Radiation-Induced Long-Lived Transients and Metal Particle Formation in Solid KClâ€“MgCl₂ Mixtures. Journal of Physical Chemistry C, 2022, 126, 9820-9830.	3.1	0
4	Radiation-induced reaction kinetics of Zn²⁺ with e_S^{â¯} and Cl₂Ë™^{â¯} in Molten LiClâ€“KCl eutectic at 400â€“600 Â°C. Physical Chemistry Chemical Physics, 2022, 24, 25088-25098.	2.8	4
5	Investigating corrosion behavior of Ni and Ni-20Cr in molten ZnCl2. Corrosion Science, 2021, 179, 109105.	6.6	22
6	Gamma radiation-induced defects in KCl, MgCl2, and ZnCl2 salts at room temperature. Physical Chemistry Chemical Physics, 2021, 23, 10384-10394.	2.8	4
7	Determining oxidation states of transition metals in molten salt corrosion using electron energy loss spectroscopy. Scripta Materialia, 2021, 197, 113790.	5.2	15
8	Formation of three-dimensional bicontinuous structures via molten salt dealloying studied in real-time by in situ synchrotron X-ray nano-tomography. Nature Communications, 2021, 12, 3441.	12.8	36
9	A Holistic Approach for Elucidating Local Structure, Dynamics, and Speciation in Molten Salts with High Structural Disorder. Journal of the American Chemical Society, 2021, 143, 15298-15308.	13.7	20
10	Radiation-Assisted Formation of Metal Nanoparticles in Molten Salts. Journal of Physical Chemistry Letters, 2021, 12, 157-164.	4.6	14
11	On the Mechanism of the Steady-State Gamma Radiolysis-Induced Scissions of the Phenyl-Vinyl Polyester-Based Resins. Frontiers in Chemistry, 2021, 9, 803347.	3.6	1
12	On the nature of macroradicals formed upon radiolysis of aqueous poly(N-vinylpyrrolidone) solutions. Radiation Physics and Chemistry, 2020, 174, 108900.	2.8	9
13	Interfacial Speciation Determines Interfacial Chemistry: Xâ€rayâ€Induced Lithium Fluoride Formation from Waterâ€inâ€salt Electrolytes on Solid Surfaces. Angewandte Chemie - International Edition, 2020, 59, 23180-23187.	13.8	28
14	Interfacial Speciation Determines Interfacial Chemistry: Xâ€rayâ€Induced Lithium Fluoride Formation from Waterâ€inâ€salt Electrolytes on Solid Surfaces. Angewandte Chemie, 2020, 132, 23380-23387.	2.0	9
15	Design and performance of high-temperature furnace and cell holder for in situ spectroscopic, electrochemical, and radiolytic investigations of molten salts. Review of Scientific Instruments, 2020, 91, 083105.	1.3	9
16	Versatile compact heater design forin situnano-tomography by transmission X-ray microscopy. Journal of Synchrotron Radiation, 2020, 27, 746-752.	2.4	7
17	Connections between the Speciation and Solubility of Ni(II) and Co(II) in Molten ZnCl₂. Journal of Physical Chemistry B, 2020, 124, 1253-1258.	2.6	24
18	A Comparative Study of Imidazolium-Based Ionic Liquid-Single-Walled Carbon Nanotube Composites with Enhanced Conductivity Properties for Supercapacitor Applications. ECS Transactions, 2020, 98, 73-87.	0.5	0

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19	Reaction Kinetics of Zn2+ with Radiolysis Products in Molten LiCl-KCl Eutectic. ECS Meeting Abstracts, 2020, MA2020-02, 2921-2921.	0.0	0
20	Investigating the Effect of CrCl3 on Corrosion Behavior of Ni and Ni-20Cr in Molten ZnCl2 Salt By Electrochemical Noise Measurements. ECS Meeting Abstracts, 2020, MA2020-02, 2923-2923.	0.0	0
21	A Comparative Study of Imidazolium-Based Ionic Liquid-Single-Walled Carbon Nanotube Composites with Enhanced Conductivity Properties for Supercapacitor Applications. ECS Meeting Abstracts, 2020, MA2020-02, 2947-2947.	0.0	0
22	In-Situ Spectroelectrochemistry of Lanthanides in Molten Chloride Salts. ECS Meeting Abstracts, 2020, MA2020-02, 2917-2917.	0.0	0
23	Utilizing X-Ray Absorption Spectroscopy to Investigate Solute-Solvent Interactions in Molten Salt Environments. ECS Meeting Abstracts, 2020, MA2020-02, 2969-2969.	0.0	0
24	Radiation-Driven Chemistry in Molten Salts. ECS Meeting Abstracts, 2020, MA2020-02, 2919-2919.	0.0	0
25	Spectroscopic Assessment of Intra- and Intermolecular Hydrogen Bonding in Ether-Functionalized Imidazolium Ionic Liquids. Journal of Physical Chemistry A, 2019, 123, 8370-8376.	2.5	15
26	High-Field Magic Angle Spinning Dynamic Nuclear Polarization Using Radicals Created by Î³-Irradiation. Journal of Physical Chemistry Letters, 2019, 10, 4770-4776.	4.6	19
27	Structural analysis of ionic liquids with symmetric and asymmetric fluorinated anions. Journal of Chemical Physics, 2019, 151, 074504.	3.0	20
28	Pulse Radiolysis and Computational Studies on a Pyrrolidinium Dicyanamide Ionic Liquid: Detection of the Dimer Radical Anion. Journal of Physical Chemistry A, 2018, 122, 3148-3155.	2.5	5
29	Photoinduced Bimolecular Electron Transfer in Ionic Liquids: Cationic Electron Donors. Journal of Physical Chemistry B, 2018, 122, 2379-2388.	2.6	15
30	Effects of aromaticity in cations and their functional groups on the temperature dependence of low-frequency spectrum. Journal of Chemical Physics, 2018, 148, 193805.	3.0	11
31	Structure and dynamics of ionic liquids: general discussion. Faraday Discussions, 2018, 206, 291-337.	3.2	8
32	Electrochemistry: general discussion. Faraday Discussions, 2018, 206, 405-426.	3.2	13
33	Ionic liquids at interfaces: general discussion. Faraday Discussions, 2018, 206, 549-586.	3.2	0
34	In Situ Probing of Ion Ordering at an Electrified Ionic Liquid/Au Interface. Advanced Materials, 2017, 29, 1606357.	21.0	13
35	Investigation of Dynamics in BMIM TFSA Ionic Liquid through Variable Temperature and Pressure NMR Relaxometry and Diffusometry. Journal of the Electrochemical Society, 2017, 164, H5189-H5196.	2.9	24
36	Radiation and Radical Chemistry of Ionic Liquids for Energy Applications. ACS Symposium Series, 2017, , 251-272.	0.5	7

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37	Exploring the Use of Ionic Liquid Mixtures to Enhance the Performance of Dicationic Ionic Liquids. Journal of the Electrochemical Society, 2017, 164, H5150-H5159.	2.9	9
38	Connecting Structural and Transport Properties of Ionic Liquids with Cationic Oligoether Chains. Journal of the Electrochemical Society, 2017, 164, H5247-H5262.	2.9	33
39	Phase behaviour and thermodynamics: general discussion. Faraday Discussions, 2017, 206, 113-139.	3.2	8
40	Improving the radiation hardness of graphene field effect transistors. Applied Physics Letters, 2016, 109, .	3.3	21
41	The Effect of Lengthening Cation Ether Tails on Ionic Liquid Properties. ECS Transactions, 2016, 75, 215-232.	0.5	1
42	The Chemistry of Separations Ligand Degradation by Organic Radical Cations. Procedia Chemistry, 2016, 21, 61-65.	0.7	14
43	Radiation hardened graphene field effect transistors. , 2016, , .		3
44	Transport Properties of Ionic Liquid Mixtures Containing Heterodications. ECS Transactions, 2016, 75, 555-565.	0.5	0
45	The role of organic solvent radical cations in separations ligand degradation. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2445-2449.	1.5	22
46	Electron-Transfer Dynamics for a Donorâ€“Bridgeâ€“Acceptor Complex in Ionic Liquids. Journal of Physical Chemistry B, 2015, 119, 11336-11345.	2.6	13
47	Development of nanosecond time-resolved infrared detection at the LEAF pulse radiolysis facility. Review of Scientific Instruments, 2015, 86, 044102.	1.3	24
48	What Makes Fluoroethylene Carbonate Different?. Journal of Physical Chemistry C, 2015, 119, 14954-14964.	3.1	159
49	A Comparison of theÎ³-Radiolysis of TODGA and T(EH)DGA Using UHPLC-ESI-MS Analysis. Solvent Extraction and Ion Exchange, 2015, 33, 431-447.	2.0	57
50	Probing the Physical Properties, Synthesis and Cellulose Dissolution Ability of Dialkyl Phosphate Ionic Liquids. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 891-895.	1.6	5
51	Ultrafast transient absorption spectrum of the room temperature Ionic liquid 1-hexyl-3-methylimidazolium bromide: Confounding effects of photo-degradation. Radiation Physics and Chemistry, 2015, 117, 78-82.	2.8	13
52	Do TFSA Anions Slither? Pressure Exposes the Role of TFSA Conformational Exchange in Self-Diffusion. Journal of Physical Chemistry B, 2015, 119, 14756-14765.	2.6	36
53	Effects of Aromaticity in Cations and Their Functional Groups on the Low-Frequency Spectra and Physical Properties of Ionic Liquids. Journal of Physical Chemistry B, 2015, 119, 9173-9187.	2.6	42
54	Cyclic phosphonium ionic liquids. Beilstein Journal of Organic Chemistry, 2014, 10, 271-275.	2.2	11

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55	Binary Ionic Liquid Mixtures for Supercapacitor Applications. ECS Transactions, 2014, 64, 57-69.	0.5	13
56	The Radiation Chemistry of Ionic Liquids: A Review. Solvent Extraction and Ion Exchange, 2014, 32, 563-583.	2.0	62
57	Radiation Stability of Cations in Ionic Liquids. 5. Task-Specific Ionic Liquids Consisting of Biocompatible Cations and the Puzzle of Radiation Hypersensitivity. Journal of Physical Chemistry B, 2014, 118, 10477-10492.	2.6	12
58	Mechanism of the Formation of a Mn-Based CO₂ Reduction Catalyst Revealed by Pulse Radiolysis with Time-Resolved Infrared Detection. Journal of the American Chemical Society, 2014, 136, 5563-5566.	13.7	91
59	Radiation Induced Reactions and Fragmentation in Room Temperature Ionic Liquids. , 2014, , 453-485.		3
60	Structure of 1-Alkyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)amide Ionic Liquids with Linear, Branched, and Cyclic Alkyl Groups. Journal of Physical Chemistry B, 2013, 117, 15328-15337.	2.6	121
61	Radiation Stability of Cations in Ionic Liquids. 2. Improved Radiation Resistance through Charge Delocalization in 1-Benzylpyridinium. Journal of Physical Chemistry B, 2013, 117, 14385-14399.	2.6	32
62	Ionic Liquids Based on Polynitrile Anions: Hydrophobicity, Low Proton Affinity, and High Radiolytic Resistance Combined. Journal of Physical Chemistry B, 2013, 117, 7084-7094.	2.6	30
63	Photo- and Radiation-Chemistry of Halide Anions in Ionic Liquids. Journal of Physical Chemistry A, 2013, 117, 5742-5756.	2.5	21
64	Radiation-Induced Fragmentation of Diamide Extraction Agents in Ionic Liquid Diluents. Journal of Physical Chemistry B, 2012, 116, 2234-2243.	2.6	32
65	Electron solvation dynamics and reactivity in ionic liquids observed by picosecond radiolysis techniques. Faraday Discussions, 2012, 154, 353-363.	3.2	36
66	Toward Radiation-Resistant Ionic Liquids. Radiation Stability of Sulfonyl Imide Anions. Journal of Physical Chemistry B, 2012, 116, 9043-9055.	2.6	37
67	A Comparison of Electron-Transfer Dynamics in Ionic Liquids and Neutral Solvents. Journal of Physical Chemistry C, 2012, 116, 5197-5208.	3.1	31
68	Radiation Induced Redox Reactions and Fragmentation of Constituent Ions in Ionic Liquids. 2. Imidazolium Cations. Journal of Physical Chemistry B, 2011, 115, 3889-3902.	2.6	76
69	Radiation Induced Redox Reactions and Fragmentation of Constituent Ions in Ionic Liquids. 1. Anions. Journal of Physical Chemistry B, 2011, 115, 3872-3888.	2.6	97
70	Radiation and Radical Chemistry of NO₃^{â€“}, HNO₃, and Dialkylphosphoric Acids in Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2011, 115, 10927-10942.	2.6	39
71	Enzyme activity in dialkyl phosphate ionic liquids. Bioresource Technology, 2011, 102, 11200-11203.	9.6	34
72	Ionic Liquids: Structure and Photochemical Reactions. Annual Review of Physical Chemistry, 2011, 62, 85-105.	10.8	310

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73	The Radiation Chemistry of Ionic Liquids and its Implications for their Use in Nuclear Fuel Processing. ACS Symposium Series, 2010, , 119-134.	0.5	11
74	Exploring the Effect of Structural Modification on the Physical Properties of Various Ionic Liquids. ECS Transactions, 2010, 33, 659-665.	0.5	6
75	Importance of Ionic Liquid Solvation Dynamics to Their Applications in Advanced Devices and Systems. Journal of Physical Chemistry Letters, 2010, 1, 1629-1630.	4.6	21
76	Application of External-Cavity Quantum Cascade Infrared Lasers to Nanosecond Time-Resolved Infrared Spectroscopy of Condensed-Phase Samples following Pulse Radiolysis. Applied Spectroscopy, 2010, 64, 563-570.	2.2	26
77	Extraction of Tetra-Oxo Anions into a Hydrophobic, Ionic Liquid-Based Solvent without Concomitant Ion Exchange. Industrial & Engineering Chemistry Research, 2010, 49, 5863-5868.	3.7	38
78	Ionic liquids and solids with paramagnetic anions. Physical Chemistry Chemical Physics, 2010, 12, 8919.	2.8	44
79	Heavy Atom Substitution Effects in Non-Aromatic Ionic Liquids: Ultrafast Dynamics and Physical Properties. Journal of Physical Chemistry B, 2010, 114, 9400-9412.	2.6	116
80	Spotlight on ionic liquids. Journal of Chemical Physics, 2010, 132, 120901.	3.0	366
81	Ionic Liquids and Ionizing Radiation: Reactivity of Highly Energetic Species. Journal of Physical Chemistry Letters, 2010, 1, 3225-3231.	4.6	55
82	Recent Trends in Radiation Chemistry. , 2010, , .		46
83	Ultrafast Pulse Radiolysis Methods. , 2010, , 121-160.		14
84	Radiation Chemistry and Photochemistry of Ionic Liquids. , 2010, , 265-287.		3
85	Recombination of Photogenerated Lophyl Radicals in Imidazoliumâ€Based Ionic Liquids. ChemPhysChem, 2009, 10, 3112-3118.	2.1	24
86	Synthesis, characterization and radiolytic properties of bis(oxalato)borate containing ionic liquids. Radiation Physics and Chemistry, 2009, 78, 1120-1125.	2.8	28
87	Photo-detrapping of solvated electrons in an ionic liquid. Radiation Physics and Chemistry, 2009, 78, 1129-1132.	2.8	13
88	Energy applications of ionic liquids. Energy and Environmental Science, 2009, 2, 956.	30.8	451
89	Charge Trapping in Imidazolium Ionic Liquids. Journal of Physical Chemistry B, 2009, 113, 5582-5592.	2.6	86
90	Kinetic Salt Effects on an Ionic Reaction in Ionic Liquid/Methanol Mixtures â€"Viscosity and Coulombic Screening Effectsâ€". Chemistry Letters, 2009, 38, 236-237.	1.3	11

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91	Trialkylammoniododecaborates: Anions for Ionic Liquids with Potassium, Lithium and Protons as Cations. Chemistry - A European Journal, 2008, 14, 1918-1923.	3.3	53
92	Physical Properties of Ionic Liquids Consisting of the 1-Butyl-3-Methylimidazolium Cation with Various Anions and the Bis(trifluoromethylsulfonyl)imide Anion with Various Cations. Journal of Physical Chemistry B, 2008, 112, 81-92.	2.6	391
93	Tetraalkylphosphonium polyoxometalates: electroactive, â€œtask-specificâ€•ionic liquids. Dalton Transactions, 2007, , 529-531.	3.3	74
94	The Physical Chemistry of Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 4639-4640.	2.6	155
95	Nuclear Magnetic Resonance Study of the Dynamics of Imidazolium Ionic Liquids with â^'CH2Si(CH3)3vs â^'CH2C(CH3)3Substituentsâ€. Journal of Physical Chemistry B, 2007, 111, 4885-4893.	2.6	101
96	Photocurrent Generation in Layer-By-Layer Assembled Dendrimers with Ruthenium Tris-bipyridine Peripheral Groups and a Viologen-like Core. Langmuir, 2007, 23, 10807-10815.	3.5	20
97	Intermolecular Interactions and Dynamics of Room Temperature Ionic Liquids That Have Silyl- and Siloxy-Substituted Imidazolium Cationsâ€. Journal of Physical Chemistry B, 2007, 111, 4819-4829.	2.6	109
98	Fluorescence Probing of Temperature-Dependent Dynamics and Friction in Ionic Liquid Local Environmentsâ€. Journal of Physical Chemistry B, 2007, 111, 4963-4977.	2.6	166
99	Tetraalkylphosphonium Polyoxometalate Ionic Liquids:Â Novel, Organicâ^'Inorganic Hybrid Materialsâ€. Journal of Physical Chemistry B, 2007, 111, 4685-4692.	2.6	154
100	The Initial Stages of Radiation Damage in Ionic Liquids and Ionic Liquid-Based Extraction Systems. Journal of Physical Chemistry B, 2007, 111, 11786-11793.	2.6	124
101	Intermolecular Dynamics, Interactions, and Solvation in Ionic Liquids. Accounts of Chemical Research, 2007, 40, 1217-1227.	15.6	237
102	Conformational Analysis of the Electron-Transfer Kinetics across Oligoproline Peptides UsingN,N-Dimethyl-1,4-benzenediamine Donors and Pyrene-1-sulfonyl Acceptorsâ€. Journal of Physical Chemistry B, 2007, 111, 6878-6886.	2.6	19
103	Pulse radiolysis and steady-state analyses of the reaction between hydroethidine and superoxide and other oxidants. Archives of Biochemistry and Biophysics, 2006, 456, 39-47.	3.0	55
104	Reactivity of Acid Generators for Chemically Amplified Resists with Low-Energy Electrons. Japanese Journal of Applied Physics, 2006, 45, L197-L200.	1.5	46
105	Convergence of spectroscopic and kinetic electron transfer parameters for mixed-valence binuclear dipyridylamide ruthenium ammine complexes. Coordination Chemistry Reviews, 2005, 249, 507-516.	18.8	34
106	Dynamics of Fast Reactions in Ionic Liquids. ACS Symposium Series, 2005, , 102-116.	0.5	25
107	Dynamics of Fast Reactions in Ionic Liquids. ChemInform, 2005, 36, no.	0.0	2
108	Effects of functional group substitution on electron spectra and solvation dynamics in a family of ionic liquids. Radiation Physics and Chemistry, 2005, 72, 99-104.	2.8	81

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109	Ultrafast dynamics of pyrrolidinium cation ionic liquids. Journal of Chemical Physics, 2005, 122, 184512.	3.0	160
110	Radiation Chemistry of Ionic Liquids. ECS Proceedings Volumes, 2004, 2004-24, 802-813.	0.1	3
111	The LEAF picosecond pulse radiolysis facility at Brookhaven National Laboratory. Review of Scientific Instruments, 2004, 75, 4359-4366.	1.3	133
112	Radiation Chemistry of Methyltert-Butyl Ether in Aqueous Solution. Environmental Science & Technology, 2004, 38, 3994-4001.	10.0	21
113	Long-Range Electron Transfer Across Peptide Bridges:Â The Transition from Electron Superexchange to Hopping. Journal of the American Chemical Society, 2004, 126, 13888-13889.	13.7	155
114	Radiation Chemistry of Ionic Liquids: Reactivity of Primary Species. ACS Symposium Series, 2003, , 381-396.	0.5	12
115	Do Main Chain Hydrogen Bonds Create Dominant Electron Transfer Pathways? An Investigation in Designed Proteinsâ€. Journal of Physical Chemistry B, 2003, 107, 7288-7292.	2.6	23
116	Reactions of Charged Species in Supercritical Xenon as Studied by Pulse Radiolysisâ€. Journal of Physical Chemistry B, 2003, 107, 7281-7287.	2.6	14
117	Pulse Radiolysis Study of the Reactions of Hydrogen Atoms in the Ionic Liquid Methyltributylammonium Bis[(trifluoromethyl)sulfonyl]imide. Journal of Physical Chemistry A, 2003, 107, 9794-9799.	2.5	89
118	Spectrum and Reactivity of the Solvated Electron in the Ionic Liquid Methyltributylammonium Bis(trifluoromethylsulfonyl)imideâ€. Journal of Physical Chemistry B, 2003, 107, 7261-7267.	2.6	160
119	Mechanistic Information from Pressure Acceleration of Hydride Formation via Proton Binding to a Cobalt(I) Macrocycle. Inorganic Chemistry, 2002, 41, 1579-1583.	4.0	19
120	A Dendrimer-Based Electron Antenna:Â Paired Electron-Transfer Reactions in Dendrimers with a 4,4â€˜-Bipyridine Core and Naphthalene Peripheral Groups. Journal of the American Chemical Society, 2002, 124, 8285-8289.	13.7	88
121	Effect of Surface Charges on the Rates of Intermolecular Electron-Transfer between de Novo Designed Metalloproteinsâ€. Biochemistry, 2001, 40, 12186-12192.	2.5	17
122	Efficient Generation of the Ligand Field Excited State of Tris-(2,2â€˜-bipyridine)-ruthenium(II) through Sequential Two-Photon Capture by [Ru(bpy)3]2+or Electron Capture by [Ru(bpy)3]3+. Journal of Physical Chemistry A, 2001, 105, 8117-8122.	2.5	81
123	Pulse Radiolysis Studies of Dendritic Macromolecules with Biphenyl Peripheral Groups and a Ruthenium Tris-bipyridine Core. Journal of the American Chemical Society, 2001, 123, 12832-12836.	13.7	25
124	Accelerators for ultrafast phenomena. Studies in Physical and Theoretical Chemistry, 2001, 87, 21-35.	0.0	5
125	Design and Characterization of A Synthetic Electron-Transfer Protein. Journal of the American Chemical Society, 2000, 122, 7999-8006.	13.7	51
126	Ruthenium Bisbipyridine Complexes of Horse Heart Cytochrome c:â€‰ Characterization and Comparative Intramolecular Electron-Transfer Rates Determined by Pulse Radiolysis and Flash Photolysis. Inorganic Chemistry, 2000, 39, 2321-2329.	4.0	14

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128	Photochemical Studies on Xanthurenic AcidÂ¶. Photochemistry and Photobiology, 2000, 72, 467.	2.5	44
129	Enantioselectivities in Electron-Transfer and Excited State Quenching Reactions of a Chiral Ruthenium Complex Possessing a Helical Structure. Journal of Physical Chemistry A, 1999, 103, 5645-5654.	2.5	18
130	De Novo Design of Protein Function:Â Predictable Structureâ^'Function Relationships in Synthetic Redox Proteins. Journal of the American Chemical Society, 1999, 121, 858-859.	13.7	56
131	Photochemistry and Radiation Chemistry: A Perspective. Advances in Chemistry Series, 1998, , 1-4.	0.6	5
132	Pulse radiolysis studies of melatonin and chloromelatonin. Journal of Photochemistry and Photobiology B: Biology, 1998, 42, 125-132.	3.8	53
133	Intramolecular Electron Transfer in Tetraammine(L)ruthenium(III)-Modified Manganocytochromesc. Inorganic Chemistry, 1998, 37, 1124-1126.	4.0	3
134	Site-Dependent Stereoselective Binding of Ruthenium Aquobipyridine Complexes to Histidine Side Chains in Horse Heart Cytochromec. Journal of the American Chemical Society, 1998, 120, 12970-12971.	13.7	7
135	Thermodynamic and Structural Effects of a Single Backbone Hydrogen Bond Deletion in a Metal-Assembled Helical Bundle Protein. Journal of Physical Chemistry B, 1998, 102, 9975-9980.	2.6	13
136	Mechanistic Information from the First Volume Profile Analysis for Intramolecular Electron-Transfer Reactions:Â Tetraammineâ^'Ruthenium(Ligand) Complexes of Cytochromec. Inorganic Chemistry, 1998, 37, 6129-6135.	4.0	18
137	Accelerators and Other Sources for the Study of Radiation Chemistry. Advances in Chemistry Series, 1998, , 35-50.	0.6	12
138	Electron Transfer Kinetics of Bifunctional Redox Protein Maquettes. Advances in Chemistry Series, 1998, , 145-159.	0.6	4
139	High Enantioselectivity in the Electron Transfer Reaction between a Ru(II) Complex of Menbpy Anion Radical, [Ru(menbpy)3]+[menbpy = 4,4â€²-di{(1R,2S,5R)-(â^')-menthoxycarbonyl}-2,2â€²-bipyridine] and [Co(acac)3]: A Pulse Radiolysis Study. Chemistry Letters, 1998, 27, 1259-1260.	1.3	1
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141	pH and Driving Force Dependence of Intramolecular Oxyferryl Heme Reduction in Myoglobin. Journal of the American Chemical Society, 1997, 119, 4758-4764.	13.7	39
142	Copper(III) Pyrophosphate Complexes in Aqueous Solution. A Pulse Radiolysis Study at Ambient and High Pressure. Journal of Physical Chemistry A, 1997, 101, 5131-5136.	2.5	8
143	cis-Bis(bipyridine)ruthenium Imidazole Derivatives:Â A Spectroscopic, Kinetic, and Structural Study. Inorganic Chemistry, 1996, 35, 7241-7245.	4.0	30
144	Comparative Kinetic Analysis of Reversible Intermolecular Electron-Transfer Reactions between a Series of Pentaammineruthenium Complexes and Cytochromec. Inorganic Chemistry, 1996, 35, 1564-1570.	4.0	44

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145	Intramolecular Electron Transfer in Pentaammineruthenium(III)-Modified Cobaltocytochromec. Inorganic Chemistry, 1996, 35, 5893-5901.	4.0	13
146	Substituted tetraammineruthenium cytochrome c derivatives: Chemistry and electron-transfer reactions. Inorganic Chemistry, 1995, 34, 3301-3309.	4.0	16
147	Uphill electron transfer in pentaammineruthenium(III)-modified ferrocytochrome c: Rates, thermodynamics, and the mediating role of the ruthenium moiety. Inorganic Chemistry, 1995, 34, 3998-4000.	4.0	7
148	Mechanistic Information from the First Volume Profile Analysis for a Reversible Intermolecular Electron-Transfer Reaction Involving Pentaammine(isonicotinamide)ruthenium and Cytochrome c. Inorganic Chemistry, 1994, 33, 4744-4749.	4.0	32
149	Electron Transfer from the Heme of Cytochrome c to Two Equidistant Redox-Modified Sites, Histidine 33 and Methionine 65: The Importance of Electronic Effects and Peptide Networks. Journal of the American Chemical Society, 1994, 116, 8396-8397.	13.7	26
150	Rate of Intramolecular Reduction of Oxyferryl Iron in Horse Heart Myoglobin. Journal of the American Chemical Society, 1994, 116, 3169-3170.	13.7	19
151	Long range electron transfer in helical polyproline II oligopeptides. Chemical Physics, 1993, 176, 589-600.	1.9	57
152	Distance dependence of intramolecular electron transfer across oligoprolines in [(bpy)2RuIIL.bul.-(Pro)n-CoIII(NH3)5]3+, n = 1-6: different effects for helical and nonhelical polyproline II structure. The Journal of Physical Chemistry, 1993, 97, 11456-11463.	2.9	75
153	Highâ€pressure pulse radiolysis. Modification of an optical cell for 2â€MeV electron pulse radiolysis at pressures up to 200 MPa. Review of Scientific Instruments, 1992, 63, 3224-3225.	1.3	22
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155	Molecular and electronic structure of the electron-transfer probe analog [trans-(NH3)4Ru(imidazole)(isonicotinamide)](CF3CO2)3.cntdot.2-propanol. Inorganic Chemistry, 1992, 31, 3179-3181.	4.0	11
156	High-pressure pulse-radiolysis study of intramolecular and intermolecular reduction of cytochrome c by ruthenium(II) ammine complexes. Inorganic Chemistry, 1992, 31, 3986-3989.	4.0	32
157	Thermodynamics and kinetics of carbon dioxide binding to two stereoisomers of a cobalt(I) macrocycle in aqueous solution. Journal of the American Chemical Society, 1991, 113, 3361-3371.	13.7	78
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