

Tomoyoshi Suenobu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130
papers

6,012
citations

47
h-index

74
g-index

133
ext. papers

6,448
ext. citations

9.1
avg, IF

5.71
L-index

#	Paper	IF	Citations
130	Effect of Deuteration on Relaxation Dynamics of the Perylene Excimer Studied by Subnanosecond Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 1359-1366	2.8	2
129	High Vertical Carrier Mobilities of Organic Semiconductors Due to a Deposited Laid-Down Herringbone Structure Induced by a Reduced Graphene Oxide Template. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9489-9497	9.5	3
128	Bridged Stilbenes: AIEgens Designed via a Simple Strategy to Control the Non-radiative Decay Pathway. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10566-10573	16.4	13
127	Bridged Stilbenes: AIEgens Designed via a Simple Strategy to Control the Non-radiative Decay Pathway. <i>Angewandte Chemie</i> , 2020 , 132, 10653-10660	3.6	1
126	Effect of the MIS structure with MgF2 on CELIV measurements. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDB01	1.4	1
125	Selectivity switch in the aerobic oxygenation of sulfides photocatalysed by visible-light-responsive decavanadate. <i>Green Chemistry</i> , 2020 , 22, 3896-3905	10	18
124	Reaction of Oxygen with the Singlet Excited State of [n]Cycloparaphenylenes (n = 9, 12, and 15): A Time-Resolved Transient Absorption Study Seamlessly Covering Time Ranges from Subnanoseconds to Microseconds by the Randomly-Interleaved-Pulse-Train Method. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 46-55	2.8	6
123	Effect of reabsorption of fluorescence on transient absorption measurements. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 220, 117127	4.4	3
122	Spectroscopic properties of push-pull 2-(4-carboxyphenyl)-6-dimethylaminobenzothiazole derivatives in solution and the solid state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 376, 324-332	4.7	1
121	Synthesis of fluorescent polycarbonates with highly twisted β -bis(dialkylamino)anthracene AIE luminogens in the main chain.. <i>RSC Advances</i> , 2019 , 9, 21733-21740	3.7	5
120	Delocalization of positive charge in aromatic liquids studied by subnanosecond near-infrared transient absorption spectroscopy. <i>Chemical Physics Letters</i> , 2019 , 731, 136578	2.5	4
119	Solution-processable reduced graphene oxide template layer for molecular orientation control of organic semiconductors.. <i>RSC Advances</i> , 2019 , 9, 32940-32945	3.7	4
118	Selective CO Production in Photoelectrochemical Reduction of CO2 with a Cobalt Chlorin Complex Adsorbed on Multiwalled Carbon Nanotubes in Water. <i>ACS Energy Letters</i> , 2017 , 2, 532-536	20.1	34
117	Heterogeneous catalase-like activity of gold(i)-cobalt(iii) metallocsupramolecular ionic crystals. <i>Chemical Science</i> , 2017 , 8, 2671-2676	9.4	19
116	Dual function photocatalysis of cyano-bridged heteronuclear metal complexes for water oxidation and two-electron reduction of dioxygen to produce hydrogen peroxide as a solar fuel. <i>Chemical Communications</i> , 2017 , 53, 3473-3476	5.8	28
115	Photocatalytic water oxidation by persulphate with a Ca ion-incorporated polymeric cobalt cyanide complex affording O ₂ with 200% quantum efficiency. <i>Chemical Communications</i> , 2017 , 53, 3418-3421	5.8	20
114	Smart Network Polymers with Bis(piperidyl)naphthalene Cross-Linkers: Selective Fluorescence Quenching and Photodegradation in the Presence of Trichloromethyl-Containing Chloroalkanes. <i>Macromolecules</i> , 2017 , 50, 3544-3556	5.5	11

113	Catalytic Formation of Hydrogen Peroxide from Coenzyme NADH and Dioxygen with a Water-Soluble Iridium Complex and a Ubiquinone Coenzyme Analogue. <i>Inorganic Chemistry</i> , 2016 , 55, 7747-54	5.1	15
112	Photocatalytic Hydroxylation of Benzene by Dioxygen to Phenol with a Cyano-Bridged Complex Containing Fe(II) and Ru(II) Incorporated in Mesoporous Silica-Alumina. <i>Inorganic Chemistry</i> , 2016 , 55, 5780-6	5.1	38
111	Nanofabrication of a Solid-State, Mesoporous Nanoparticle Composite for Efficient Photocatalytic Hydrogen Generation. <i>ChemPlusChem</i> , 2016 , 81, 521-525	2.8	8
110	Photocatalytic production of hydrogen peroxide from water and dioxygen using cyano-bridged polynuclear transition metal complexes as water oxidation catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 681-684	5.5	54
109	Production of hydrogen peroxide by combination of semiconductor-photocatalysed oxidation of water and photocatalytic two-electron reduction of dioxygen. <i>RSC Advances</i> , 2016 , 6, 42041-42044	3.7	23
108	Size-selective incorporation of donor-acceptor linked dyad cations into zeolite Y and long-lived charge separation. <i>RSC Advances</i> , 2015 , 5, 45582-45585	3.7	9
107	Bottom-up and top-down methods to improve catalytic reactivity for photocatalytic production of hydrogen peroxide using a Ru-complex and water oxidation catalysts. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12404-12412	13	54
106	Influence of pH on the decay of β -carotene radical cation in aqueous Triton X-100: A laser flash photolysis study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 146, 68-73	6.7	6
105	Catalytic hydrogen production from paraformaldehyde and water using an organoiridium complex. <i>Chemical Communications</i> , 2015 , 51, 1670-2	5.8	34
104	Kinetics and Mechanisms of Reduction of Protons and Carbon Dioxide Catalyzed by Metal Complexes and Nanoparticles. <i>Green Chemistry and Sustainable Technology</i> , 2015 , 313-345	1.1	
103	Laser-Induced Dynamics of Peroxodicopper(II) Complexes Vary with the Ligand Architecture. One-Photon Two-Electron O ₂ Ejection and Formation of Mixed-Valent Cu(I)Cu(II)-Superoxide Intermediates. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15865-74	16.4	18
102	A metalloporphyrinic compound with a high selectivity for N ₂ and CO ₂ separation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 1225-1231	1.8	3
101	Long-lived charge separation and applications in artificial photosynthesis. <i>Accounts of Chemical Research</i> , 2014 , 47, 1455-64	24.3	296
100	Catalytic oxidation of formic acid by dioxygen with an organoiridium complex. <i>Catalysis Science and Technology</i> , 2014 , 4, 3636-3639	5.5	9
99	Formation of the Long-Lived Charge-Separated State of the 9-Mesityl-10-methylacridinium Cation Incorporated into Mesoporous Aluminosilicate at High Temperatures. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24188-24196	3.8	24
98	Assembly and stepwise oxidation of interpenetrated coordination cages based on phenothiazine. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10102-6	16.4	94
97	Direct synthesis of hydrogen peroxide from hydrogen and oxygen by using a water-soluble iridium complex and flavin mononucleotide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12327-31	16.4	43
96	Production of hydrogen peroxide as a sustainable solar fuel from water and dioxygen. <i>Energy and Environmental Science</i> , 2013 , 6, 3756	35.4	139

95	The long-lived electron transfer state of the 2-phenyl-4-(1-naphthyl)quinolinium ion incorporated into nanosized mesoporous silica-alumina acting as a robust photocatalyst in water. <i>Chemical Communications</i> , 2013 , 49, 5132-4	5.8	29
94	Hydrogen storage and evolution catalysed by metal hydride complexes. <i>Dalton Transactions</i> , 2013 , 42, 18-28	4.3	106
93	Titelbild: Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen by Using a Water-Soluble Iridium Complex and Flavin Mononucleotide (Angew. Chem. 47/2013). <i>Angewandte Chemie</i> , 2013 , 125, 12417-12417	3.6	
92	Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen by Using a Water-Soluble Iridium Complex and Flavin Mononucleotide. <i>Angewandte Chemie</i> , 2013 , 125, 12553-12557	3.6	13
91	Mechanistic borderline of one-step hydrogen atom transfer versus stepwise Sc(3+)-coupled electron transfer from benzyl alcohol derivatives to a non-heme iron(IV)-oxo complex. <i>Inorganic Chemistry</i> , 2012 , 51, 10025-36	5.1	64
90	Efficient catalytic interconversion between NADH and NAD ⁺ accompanied by generation and consumption of hydrogen with a water-soluble iridium complex at ambient pressure and temperature. <i>Journal of the American Chemical Society</i> , 2012 , 134, 367-74	16.4	117
89	Water-soluble mononuclear cobalt complexes with organic ligands acting as precatalysts for efficient photocatalytic water oxidation. <i>Energy and Environmental Science</i> , 2012 , 5, 7606	35.4	196
88	Hydrogen evolution from aliphatic alcohols and 1,4-selective hydrogenation of NAD ⁺ catalyzed by a [C,N] and a [C,C] cyclometalated organoiridium complex at room temperature in water. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9417-27	16.4	69
87	Catalytic interconversion between hydrogen and formic acid at ambient temperature and pressure. <i>Energy and Environmental Science</i> , 2012 , 5, 7360	35.4	170
86	Formation of a long-lived electron-transfer state in mesoporous silica-alumina composites enhances photocatalytic oxygenation reactivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15572-7	11.5	60
85	Redox-induced reversible metal assembly through translocation and reversible ligand coupling in tetranuclear metal sandwich frameworks. <i>Nature Chemistry</i> , 2011 , 4, 52-8	17.6	52
84	Combination of visible-light responsive heterogeneous and homogeneous photocatalysts for water oxidation. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 17960-3	3.6	7
83	Cupric superoxo-mediated intermolecular C-H activation chemistry. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1702-5	16.4	126
82	A vanadium porphyrin with temperature-dependent phase transformation: synthesis, crystal structures, supramolecular motifs and properties. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1416-22	4.5	12
81	Catalytic mechanism of water oxidation with single-site ruthenium-heteropolytungstate complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11605-13	16.4	186
80	Catalytic mechanisms of hydrogen evolution with homogeneous and heterogeneous catalysts. <i>Energy and Environmental Science</i> , 2011 , 4, 2754	35.4	159
79	Photocatalytic Production of Hydrogen by Disproportionation of One-Electron-Reduced Rhodium and Iridium-Ruthenium Complexes in Water. <i>Angewandte Chemie</i> , 2011 , 123, 754-757	3.6	23
78	Photocatalytic production of hydrogen by disproportionation of one-electron-reduced rhodium and iridium-ruthenium complexes in water. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 728-31	16.4	106

77	Photocatalytic generation of a non-heme oxoiron(IV) complex with water as an oxygen source. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3249-51	16.4	69
76	Formic acid acting as an efficient oxygen scavenger in four-electron reduction of oxygen catalyzed by a heterodinuclear iridium-ruthenium complex in water. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11866-7	16.4	17
75	Mononuclear copper complex-catalyzed four-electron reduction of oxygen. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6874-5	16.4	106
74	Unusually large tunneling effect on highly efficient generation of hydrogen and hydrogen isotopes in pH-selective decomposition of formic acid catalyzed by a heterodinuclear iridium-ruthenium complex in water. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1496-7	16.4	224
73	Contrasting effects of axial ligands on electron-transfer versus proton-coupled electron-transfer reactions of nonheme oxoiron(IV) complexes. <i>Chemistry - A European Journal</i> , 2010 , 16, 354-61	4.8	39
72	Metallocene bis(perfluoroalkanesulfonate)s as air-stable cationic Lewis acids. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1524-1528	2.3	23
71	Fundamental electron-transfer properties of non-heme oxoiron(IV) complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 434-5	16.4	128
70	Switchable antenna: a star-shaped ruthenium/osmium tetranuclear complex with azobis(bipyridine) bridging ligands. <i>Chemistry - A European Journal</i> , 2008 , 14, 2709-18	4.8	18
69	Efficient catalytic decomposition of formic acid for the selective generation of H ₂ and H/D exchange with a water-soluble rhodium complex in aqueous solution. <i>ChemSusChem</i> , 2008 , 1, 827-34	8.3	182
68	Binding modes in metal ion complexes of quinones and semiquinone radical anions: electron-transfer reactivity. <i>ChemPhysChem</i> , 2006 , 7, 942-54	3.2	50
67	Thermochromism of metal ion complexes of semiquinone radical anions. Control of equilibria between diamagnetic and paramagnetic species by Lewis acids. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 9356-62	2.8	20
66	Mechanism of scandium ion catalyzed Diels-Alder reaction of anthracenes with methyl vinyl ketone. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 3174-81	2.8	13
65	Electron-transfer oxidation properties of DNA bases and DNA oligomers. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 3285-94	2.8	82
64	Change of Interlayer Exchange Coupling in Fe/Y Multilayers by Hydrogenation. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 158-162	1.4	4
63	Scandium ion-promoted photoinduced electron transfer from electron donors to acridine and pyrene. Essential role of scandium ion in photocatalytic oxygenation of hexamethylbenzene. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7585-94	16.4	47
62	Interlayer Exchange Coupling of Fe/Y Multilayers. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L291-L293		3
61	Mechanism of enhancement effect of dendrimer on transdermal drug permeation through polyhydroxyalkanoate matrix. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 96, 537-40	3.3	41
60	Excited-State Deprotonation and H/D Exchange of an Iridium Hydride Complex. <i>Angewandte Chemie</i> , 2003 , 115, 5650-5653	3.6	8

59	Excited-state deprotonation and H/D exchange of an iridium hydride complex. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5492-5	16.4	48
58	Synthesis and structural, electrochemical, and optical properties of Ru(II) complexes with azobis(2,2Rbipyridine)s. <i>Inorganic Chemistry</i> , 2003 , 42, 3057-66	5.1	53
57	Mechanisms of hydrogen-, oxygen-, and electron-transfer reactions of cumylperoxyl radical. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9074-82	16.4	83
56	Highly self-organized electron transfer from an iridium complex to p-benzoquinone due to formation of a pi-dimer radical anion complex triply bridged by scandium ions. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12090-1	16.4	40
55	Mechanisms of electron-transfer oxidation of NADH analogues and chemiluminescence. Detection of the keto and enol radical cations. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4808-16	16.4	56
54	Remarkable effects of counter ions on scandium ion-promoted electron transfer reactions. <i>Chemical Communications</i> , 2003 , 1070-1	5.8	12
53	Direct detection of radical cations of NADH analogues. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14538-9	16.4	22
52	Scandium ion-promoted reduction of heterocyclic N=N double bond. Hydride transfer vs electron transfer. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12566-73	16.4	39
51	Structural and spectroscopic features of a cis (hydroxo)-Fe(III)-(carboxylato) configuration as an active site model for lipoxygenases. <i>Inorganic Chemistry</i> , 2002 , 41, 5513-20	5.1	47
50	Significant enhancement of electron transfer reduction of NAD(+) analogues by complexation with scandium ion and the detection of the radical intermediate-scandium ion complex. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9181-8	16.4	15
49	Activation of electron transfer reduction of p-benzoquinone derivatives by intermolecular regioselective hydrogen bond formation. <i>Chemical Communications</i> , 2002 , 1984-5	5.8	15
48	Electron Transfer Properties of Singlet Oxygen and Promoting Effects of Scandium Ion. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 1241-1247	2.8	23
47	Dehydrogenation vs Oxygenation in Photosensitized Oxidation of 9-Substituted 10-Methyl-9,10-dihydroacridine in the Presence of Scandium Ion. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 1465-1472	2.8	4
46	Quantitative Evaluation of Lewis Acidity of Organotin Compounds and the Catalytic Reactivity in Electron Transfer. <i>Chemistry Letters</i> , 2001 , 30, 978-979	1.7	16
45	Photoalkylation of 10-alkylacridinium ion via a charge-shift type of photoinduced electron transfer controlled by solvent polarity. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8459-67	16.4	143
44	Change in spin state and enhancement of redox reactivity of photoexcited states of aromatic carbonyl compounds by complexation with metal ion salts acting as Lewis acids. Lewis acid-catalyzed photoaddition of benzyltrimethylsilane and tetramethyltin via photoinduced electron transfer. <i>Journal of the American Chemical Society</i> , 2001 , 123, 7756-66	16.4	56
43	Extremely slow long-range electron transfer reactions across zeolite-solution interface. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11331-2	16.4	24
42	Metal ion-catalyzed cycloaddition vs hydride transfer reactions of NADH analogues with p-benzoquinones. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10191-9	16.4	62

41	Regioreversed Thermal and Photochemical Reduction of 10-Methylacridinium and 1-Methylquinolinium Ions by Organosilanes and Organostannanes. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1857-1868	2.8	28
40	Scandium ion-promoted photoinduced electron-transfer oxidation of fullerenes and derivatives by p-chloranil and p-benzoquinone. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12458-65	16.4	48
39	Efficient Catalysis of Rare-Earth Metal Ions in Photoinduced Electron-Transfer Oxidation of Benzyl Alcohols by a Flavin Analogue. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 10501-10510	2.8	72
38	Effects of Lowering Symmetry on the ESR Spectra of Radical Anions of Fullerene Derivatives and the Reduction Potentials. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 10688-10694	2.8	27
37	Effect of Addition Pattern on the Electrochemical and Spectroscopic Properties of Neutral and Reduced 1,2- and 1,4-(C ₆ H ₅ CH ₂) ₂ C ₆₀ Isomers. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3878-3883	2.8	50
36	Hydride Transfer from 9-Substituted 10-Methyl-9,10-dihydroacridines to Hydride Acceptors via Charge-Transfer Complexes and Sequential Electron-Proton-Electron Transfer. A Negative Temperature Dependence of the Rates. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4286-4294	16.4	126
35	Photochemical Reactions of Coenzyme PQQ (Pyrroloquinolinequinone) and Analogues with Benzyl Alcohol Derivatives via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2000 , 122, 8435-8443	16.4	24
34	Splitting of Degenerate Orbitals of Dibenzyl and Tetrabenzyl Adducts of C ₆₀ : ESR of the Radical Anions and the Rotation Barriers of Benzyl Groups. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 2908-2913	2.8	7
33	Electrogeneration and Characterization of (C ₆ H ₅ CH ₂) ₂ C ₇₀ . <i>Journal of Physical Chemistry A</i> , 2000 , 104, 2902-2907	2.8	26
32	Electrosynthesis and Structural Characterization of Two (C ₆ H ₅ CH ₂) ₄ C ₆₀ Isomers. <i>Journal of the American Chemical Society</i> , 2000 , 122, 563-570	16.4	56
31	Stepwise Bond Formation in Photochemical and Thermal Diels-Alder Reactions of C ₆₀ with Danishefsky's Dienes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2236-2243	16.4	42
30	Single Electron Transfer Diels-Alder Reaction of Fullerene with Danishefsky's Diene. <i>Synlett</i> , 1999 , 1999, 1130-1132	2.2	6
29	Addition of Group 14 organometallic compounds to C ₆₀ via photoinduced electron transfer. Direct detection of radical ion pair intermediates. <i>Journal of Organometallic Chemistry</i> , 1999 , 574, 32-39	2.3	15
28	Electron-Transfer Kinetics for Generation of Organoiron(IV) Porphyrins and the Iron(IV) Porphyrin Radical Cations. <i>Journal of the American Chemical Society</i> , 1999 , 121, 785-790	16.4	56
27	ESR Spectra of Superoxide Anion-Scandium Complexes Detectable in Fluid Solution. <i>Journal of the American Chemical Society</i> , 1999 , 121, 1605-1606	16.4	56
26	Enhanced Reactivity of C ₇₀ in the Photochemical Reactions with NADH and NAD Dimer Analogues As Compared to C ₆₀ via Photoinduced Electron Transfer. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 5935-5941	2.8	24
25	Electron-Transfer Properties of C ₆₀ and tert-Butyl-C ₆₀ Radical. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3468-3474	16.4	68
24	Direkte Beobachtung radikalischer Zwischenstufen bei Untersuchungen zum Redoxverhalten von Modellen des Coenzym Thiamin. <i>Angewandte Chemie</i> , 1998 , 110, 1040-1042	3.6	11

23	Direct Observation of Radical Intermediates While Investigating the Redox Behavior of Thiamin Coenzyme Models. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 992-994	16.4	31
22	Solid state photochemistry for fullerene functionalization: Solid state photoinduced electron transfer in the Diels-Alder reaction with anthracenes. <i>Tetrahedron Letters</i> , 1998 , 39, 3733-3736	2	34
21	Electron Transfer Mechanism of Organocobalt Porphyrins. Site of Electron Transfer, Migration of Organic Groups, and Cobalt-Carbon Bond Energies in Different Oxidation States. <i>Journal of the American Chemical Society</i> , 1998 , 120, 2880-2889	16.4	40
20	Synthesis and Spectroscopic and Electrochemical Characterization of Di- and Tetrasubstituted C ₆₀ Derivatives. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 3898-3906	2.8	72
19	Formation of Radical Anions in the Reaction of p-Benzoquinone and C ₆₀ with Alkoxide Ions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6673-6680	16.4	39
18	Kinetic and Thermodynamic Studies of Iron(III) and Iron(IV) π -Bonded Porphyrins. Formation and Reactivity of [(OEP)Fe(R)] ⁿ⁺ , Where OEP Is the Dianion of Octaethylporphyrin (n = 0, 1, 2, 3) and R = C ₆ H ₅ , 3,4,5-C ₆ F ₃ H ₂ , 2,4,6-C ₆ F ₃ H ₂ , C ₆ F ₄ H, or C ₆ F ₅ . <i>Inorganic Chemistry</i> , 1998 , 37, 1759-1766	5.1	27
17	Selective One-Electron and Two-Electron Reduction of C ₆₀ with NADH and NAD Dimer Analogues via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8060-8068	16.4	194
16	Formation of C ₆₀ Adducts with Two Different Alkyl Groups via Combination of Electron Transfer and S _N 2 Reactions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 9220-9227	16.4	104
15	Substituent Effect of 1,4-Benzenedicarbonitriles as Sensitizers on the Photoinduced Electron Transfer Reactions in Alcohol. <i>Bulletin of the Chemical Society of Japan</i> , 1997 , 70, 2269-2277	5.1	4
14	Oxidation Mechanism of NAD Dimer Model Compounds. <i>Chemistry Letters</i> , 1997 , 26, 567-568	1.7	49
13	Redox Behavior of Active Aldehydes Derived from Thiamin Coenzyme Analogs. <i>Chemistry Letters</i> , 1997 , 26, 707-708	1.7	14
12	Metal Ion-Complexes of π -Unsaturated Ketones Acting as Actual Reactive Species in Michael Addition of Ketene Silyl Acetal. <i>Chemistry Letters</i> , 1997 , 26, 667-668	1.7	3
11	Formation of C ₆₀ Radical Cation in Iron(III)-Exchanged Zeolite Y. <i>Chemistry Letters</i> , 1997 , 26, 875-876	1.7	11
10	Selective two-electron reduction of C ₆₀ by 10-methyl-9,10-dihydroacridine via photoinduced electrontransfer. <i>Chemical Communications</i> , 1997 , 291-292	5.8	28
9	Photoinduced charge-separation using 10-methylacridinium ion loaded in zeolite Y as a photocatalyst with negligible back electron transfer across the zeolite-solution interface. <i>Chemical Communications</i> , 1996 , 213-214	5.8	12
8	Chemical Generation of C ₆₀ ²⁻ and Electron Transfer Mechanism for the Reactions with Alkyl Bromides. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 16327-16335		93
7	The local structure around hydrogen atoms in a hydrogenated amorphous LaNi _{5.0} film studied by neutron diffraction. <i>Journal of Alloys and Compounds</i> , 1995 , 221, 212-217	5.7	13
6	Correlation between the electronic structure and hydrogen absorption characteristics in rare earth intermetallic compound hydrides. <i>Journal of Alloys and Compounds</i> , 1995 , 221, 200-206	5.7	23

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| 5 | Addition of Ketene Silyl Acetals to the Triplet Excited State of C60 via Photoinduced Electron Transfer Leading to the Fullereneacetates. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11134-11141 | 164 | 92 |
| 4 | Studies on local structure in hydrogenated amorphous LaNi _{5.0} films using extended X-ray absorption fine structure. <i>Journal of Alloys and Compounds</i> , 1993 , 190, 273-277 | 57 | 9 |
| 3 | X-ray Absorption Fine Structure Studies on an Amorphous LaNi _{5.0} Film Prepared by Reactive Sputtering. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 679 | 14 | 4 |
| 2 | Structural Studies on Amorphous LaNi _{5.0} Films as Prepared in Different Methods. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 682 | 14 | 3 |
| 1 | Extended X-Ray Absorption Fine Structure Studies on Local Structure in Amorphous LaNi _{5.0} Films. <i>Bulletin of the Chemical Society of Japan</i> , 1991 , 64, 3522-3527 | 51 | 4 |