

Tomoyoshi Suenobu

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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	Long-lived charge separation and applications in artificial photosynthesis. <i>Accounts of Chemical Research</i> , 2014 , 47, 1455-64	24.3	296
129	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
128	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
127	Selective One-Electron and Two-Electron Reduction of C60 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
126	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
125	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
124	Catalytic interconversion between hydrogen and formic acid at ambient temperature and pressure. <i>Energy and Environmental Science</i> , 2012 , 5, 7360	35.4	170
123	Catalytic mechanisms of hydrogen evolution with homogeneous and heterogeneous catalysts. <i>Energy and Environmental Science</i> , 2011 , 4, 2754	35.4	159
122	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
121	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
120	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
119	Cupric superoxo-mediated intermolecular C-H activation chemistry. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1702-5	16.4	126
118	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
117	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
116	Hydrogen storage and evolution catalysed by metal hydride complexes. <i>Dalton Transactions</i> , 2013 , 42, 18-28	4.3	106
115	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
114	Mononuclear copper complex-catalyzed four-electron reduction of oxygen. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6874-5	16.4	106

113	Formation of C60 Adducts with Two Different Alkyl Groups via Combination of Electron Transfer and SN2 Reactions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 9220-9227	16.4	104
112	Assembly and stepwise oxidation of interpenetrated coordination cages based on phenothiazine. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10102-6	16.4	94
111	Chemical Generation of C60 ²⁻ and Electron Transfer Mechanism for the Reactions with Alkyl Bromides. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 16327-16335		93
110	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	16.4	92
109	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
108	Electron-transfer oxidation properties of DNA bases and DNA oligomers. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 3285-94	2.8	82
107	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
106	Synthesis and Spectroscopic and Electrochemical Characterization of Di- and Tetrasubstituted C60 Derivatives. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 3898-3906	2.8	72
105	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
104	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
103	Electron-Transfer Properties of C60 and tert-Butyl-C60 Radical. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3468-3474	16.4	68
102	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
101	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
100	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
99	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
98	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
97	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
96	Electron-Transfer Kinetics for Generation of Organoiron(IV) Porphyrins and the Iron(IV) Porphyrin π Radical Cations. <i>Journal of the American Chemical Society</i> , 1999 , 121, 785-790	16.4	56

95	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
94	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
93	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
92	Synthesis and structural, electrochemical, and optical properties of Ru(II) complexes with azobis(2,2'-bipyridine)s. <i>Inorganic Chemistry</i> , 2003 , 42, 3057-66	5.1	53
91	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
90	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
89	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 ₆ O Isomers. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3878-3883	2.8	50
88	Oxidation Mechanism of NAD Dimer Model Compounds. <i>Chemistry Letters</i> , 1997 , 26, 567-568	1.7	49
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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

77	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
76	Formation of Radical Anions in the Reaction of p-Benzoquinone and C60 with Alkoxide Ions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6673-6680	16.4	39
75	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
74	Selective CO Production in Photoelectrochemical Reduction of CO ₂ with a Cobalt Chlorin Complex Adsorbed on Multiwalled Carbon Nanotubes in Water. <i>ACS Energy Letters</i> , 2017 , 2, 532-536	20.1	34
73	Catalytic hydrogen production from paraformaldehyde and water using an organoiridium complex. <i>Chemical Communications</i> , 2015 , 51, 1670-2	5.8	34
72	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
71	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
70	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
69	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
68	Selective two-electron reduction of C60 by 10-methyl-9,10-dihydroacridine via photoinduced electrontransfer. <i>Chemical Communications</i> , 1997 , 291-292	5.8	28
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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 ²⁴	2.8	24

59	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
58	Metallocene bis(perfluoroalkanesulfonate)s as air-stable cationic Lewis acids. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1524-1528	2.3	23
57	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
56	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
55	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
54	Direct detection of radical cations of NADH analogues. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14538-9	16.4	22
53	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
52	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
51	Heterogeneous catalase-like activity of gold(i)-cobalt(iii) metallocsupramolecular ionic crystals. <i>Chemical Science</i> , 2017 , 8, 2671-2676	9.4	19
50	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
49	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
48	Selectivity switch in the aerobic oxygenation of sulfides photocatalysed by visible-light-responsive decavanadate. <i>Green Chemistry</i> , 2020 , 22, 3896-3905	10	18
47	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
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	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
44	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
43	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
42	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

41	Redox Behavior of Active Aldehydes Derived from Thiamin Coenzyme Analogs. <i>Chemistry Letters</i> , 1997 , 26, 707-708	1.7	14
40	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
39	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
38	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
37	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
36	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
35	Remarkable effects of counter ions on scandium ion-promoted electron transfer reactions. <i>Chemical Communications</i> , 2003 , 1070-1	5.8	12
34	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
33	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
32	Formation of C ₆₀ Radical Cation in Iron(III)-Exchanged Zeolite Y. <i>Chemistry Letters</i> , 1997 , 26, 875-876	1.7	11
31	Direkte Beobachtung radikalischer Zwischenstufen bei Untersuchungen zum Redoxverhalten von Modellen des Coenzyms Thiamin. <i>Angewandte Chemie</i> , 1998 , 110, 1040-1042	3.6	11
30	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
29	Catalytic oxidation of formic acid by dioxygen with an organoiridium complex. <i>Catalysis Science and Technology</i> , 2014 , 4, 3636-3639	5.5	9
28	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	5.7	9
27	Nanofabrication of a Solid-State, Mesoporous Nanoparticle Composite for Efficient Photocatalytic Hydrogen Generation. <i>ChemPlusChem</i> , 2016 , 81, 521-525	2.8	8
26	Excited-State Deprotonation and H/D Exchange of an Iridium Hydride Complex. <i>Angewandte Chemie</i> , 2003 , 115, 5650-5653	3.6	8
25	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
24	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

23	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
22	Single Electron Transfer Diels-Alder Reaction of Fullerene with Danishefsky's Diene. <i>Synlett</i> , 1999 , 1999, 1130-1132	2.2	6
21	Reaction of Oxygen with the Singlet Excited State of $[n]$ Cycloparaphenylenes ($n = 9, 12, \text{ and } 15$): 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
20	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
19	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
18	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
17	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
16	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
15	Extended X-Ray Absorption Fine Structure Studies on Local Structure in Amorphous LaNi ₅ O Films. <i>Bulletin of the Chemical Society of Japan</i> , 1991 , 64, 3522-3527	5.1	4
14	X-ray Absorption Fine Structure Studies on an Amorphous LaNi ₅ O Film Prepared by Reactive Sputtering. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 679	1.4	4
13	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
12	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
11	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
10	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
9	Metal Ion-Complexes of α -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
8	Interlayer Exchange Coupling of Fe/Y Multilayers. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L291-L293	1.4	3
7	Structural Studies on Amorphous LaNi ₅ O Films as Prepared in Different Methods. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 682	1.4	3
6	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

5	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
4	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
3	Effect of the MIS structure with MgF2 on CELIV measurements. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDB01	1.4	1
2	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	
1	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	