Shin-ichi Nagaoka

List of Publications by Year
in descending order

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154 papers	2,978 citations	201674 27 h-index	223800 46 g-index
158 all docs	158 docs citations	158 times ranked	2307 citing authors

#	Article	IF	Citations
1	Kinetic study of quenching reaction of singlet oxygen and scavenging reaction of free radical by squalene in n-butanol. Lipids and Lipid Metabolism, 1995, 1256, 52-56.	2.6	223
2	Intramolecular proton transfer in various electronic states of o-hydroxybenzaldehyde. Chemical Physics, 1989, 136, 153-163.	1.9	192
3	Kinetic study of free-radical-scavenging action of biological hydroquinones (reduced forms of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Subjects, 1993, 1157, 313-317.	2.4	101
4	Structure?activity relationship of the tocopherol-regeneration reaction by catechins. Free Radical Biology and Medicine, 2005, 38, 1243-1256.	2.9	97
5	Kinetic Study of the Quenching Reaction of Singlet Oxygen by Carotenoids and Food Extracts in Solution. Development of a Singlet Oxygen Absorption Capacity (SOAC) Assay Method. Journal of Agricultural and Food Chemistry, 2010, 58, 9967-9978.	5.2	93
6	Nodal-plane model of the excited-state intramolecular proton transfer of 2-(o-hydroxyaryl)benzazoles. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 122, 151-159.	3.9	83
7	Structureâ^'Activity Relationship of the Free-Radical-Scavenging Reaction by Vitamin E (Î±-, Î²-, Î³-,) Tj ETQq1 1 0.784314 rgBT /Overlock 2007, 111, 652-662.	2.6	69
8	Kinetic Study of Free-Radical-Scavenging Action of Flavonoids in Homogeneous and Aqueous Triton X-100 Micellar Solutions. Journal of Physical Chemistry A, 1997, 101, 3746-3753.	2.5	66
9	Nodal-plane model for excited-state intramolecular proton transfer of o-hydroxybenzaldehyde: substituent effect. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 154, 23-32.	3.9	65
10	Kinetic study of reactions between tocopheroxyl radicals and fatty acids. Lipids, 1993, 28, 753-756.	1.7	59
11	An ab initio calculation on proton transfer in the benzoic acid dimer. Chemical Physics Letters, 1982, 92, 498-502.	2.6	56
12	Development of Singlet Oxygen Absorption Capacity (SOAC) Assay Method. 2. Measurements of the SOAC Values for Carotenoids and Food Extracts. Journal of Agricultural and Food Chemistry, 2011, 59, 3717-3729.	5.2	50
13	Effects of node of wave function upon excited-state intramolecular proton transfer of hydroxyanthraquinones and aminoanthraquinones. Chemical Physics, 1996, 206, 353-362.	1.9	48
14	Kinetics of the reaction by which natural vitamin E is regenerated by vitamin C. Chemistry and Physics of Lipids, 2007, 146, 26-32.	3.2	47
15	Kinetic Study of the Antioxidant Activity of Pyrroloquinolinequinol (PQQH₂, a Reduced) Tj ETQq1 1 0.784314 rgBT /Over 2009, 57, 450-456.	5.2	46
16	Tunneling Effect in Antioxidant, Prooxidant, and Regeneration Reactions of Vitamin E. Journal of Physical Chemistry B, 2000, 104, 856-862.	2.6	44
17	Site-specific fragmentation following Si:2p core-level photoionization of F3SiCH2CH2Si(CH3)3 condensed on a Au surface. Journal of Chemical Physics, 1997, 107, 10751-10755.	3.0	41
18	Electronic-State Dependence of Intramolecular Proton Transfer of o-Hydroxybenzaldehyde. 2. Substituent Effect. Journal of Physical Chemistry A, 1997, 101, 3061-3065.	2.5	39

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19	Stopped-Flow Kinetic Study of the Aroxyl Radical-Scavenging Action of Catechins and Vitamin C in Ethanol and Micellar Solutions. Journal of Agricultural and Food Chemistry, 2008, 56, 4406-4417.	5.2	34
20	The effect of molecular structure on the relaxation processes of carotenoids containing a carbonyl group. Chemical Physics Letters, 1993, 213, 576-580.	2.6	33
21	A Study To Control Chemical Reactions Using Si:2p Core Ionization: Site-Specific Fragmentation. Journal of Physical Chemistry A, 2011, 115, 8822-8831.	2.5	32
22	Fluorescence from an upper excited state of o-hydroxybenzaldehyde in the vapor phase. Chemical Physics Letters, 1986, 123, 489-492.	2.6	31
23	Ion desorption induced by core-electron transitions studied with electronâ€“ion coincidence spectroscopy. Surface Science, 2000, 451, 143-152.	1.9	31
24	Direct measurement of the low-lying singlet excited (2 1Ag) state of a linear carotenoid, neurosporene, in solution. Chemical Physics Letters, 1993, 204, 101-105.	2.6	30
25	Kinetic Study of the Prooxidant Effect of Î±â€Tocopherol. Hydrogen Abstraction from Lipids by Î±â€Tocopheroxyl Radical. Lipids, 2009, 44, 935-43.	1.7	30
26	Fragmentation of F3SiCH2CH2Si(CH3)3 vapour following Si:2p core-level photoexcitation. A search for a site-specific process in complex molecules. International Journal of Mass Spectrometry and Ion Processes, 1997, 171, 95-103.	1.8	29
27	Quantitative analysis of the solvent effect on the relaxation processes of carotenoids showing dual emissive characteristics. Chemical Physics Letters, 1992, 191, 219-224.	2.6	28
28	Tunneling Effect in Regeneration Reaction of Vitamin E by Ubiquinol. Journal of Physical Chemistry B, 2010, 114, 6601-6607.	2.6	28
29	Development of Singlet Oxygen Absorption Capacity (SOAC) Assay Method. 3. Measurements of the SOAC Values for Phenolic Antioxidants. Journal of Agricultural and Food Chemistry, 2012, 60, 7905-7916.	5.2	28
30	Kinetic Study of the Mechanism of Free-Radical Scavenging Action in Curcumin: Effects of Solvent and pH. Bulletin of the Chemical Society of Japan, 2005, 78, 615-621.	3.2	27
31	Ion desorption from molecules condensed at low temperature: A study with electron-ion coincidence spectroscopy combined with synchrotron radiation (Review). Low Temperature Physics, 2003, 29, 243-258.	0.6	25
32	Kinetic Study of the Aroxyl Radical-Scavenging Reaction of Î±-Tocopherol in Methanol Solution: Notable Effect of the Alkali and Alkaline Earth Metal Salts on the Reaction Rates. Journal of Physical Chemistry B, 2009, 113, 13322-13331.	2.6	24
33	Ionic fragmentation following the 3d core excitation of Sn(CH3)4 by soft X-rays. Chemical Physics Letters, 1989, 154, 357-362.	2.6	23
34	Site-specific fragmentation following inner-core level excitation of Pb(CH3)4 in the vapor phase. Chemical Physics Letters, 1989, 154, 363-368.	2.6	23
35	Investigation of the lowest excited triplet states of 2-(2â€²-hydroxyphenyl)benzothiazole and 2-(2â€²-hydroxyphenyl)benzoxazole by time-resolved electron paramagnetic resonance and molecular orbital calculations. Chemical Physics Letters, 1992, 192, 532-537.	2.6	23
36	Tunneling effect in the regeneration reaction of vitamin E by ubiquinol. Chemical Physics Letters, 1998, 287, 70-74.	2.6	23

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37	Photostimulated ion desorption from the TiO2(110) and ZnO surfaces. Surface Science, 2004, 572, 43-58.	1.9	23
38	Ultrafast Excited-State Intramolecular Proton Transfer of Aloesaponarin I. Journal of Physical Chemistry B, 2013, 117, 4347-4353.	2.6	23
39	Why is the order reversed? peroxyl-scavenging activity and fats-and-oils protecting activity of vitamin E. International Journal of Chemical Kinetics, 2005, 37, 605-610.	1.6	22
40	UV Protection and Singlet Oxygen Quenching Activity of Aloesaponarin I. Journal of Physical Chemistry B, 2007, 111, 13116-13123.	2.6	22
41	Singlet oxygen quenching by trolox C in aqueous micelle solutions. Journal of Photochemistry and Photobiology B: Biology, 2009, 97, 132-137.	3.8	22
42	ENDOR Study of the Cation Radicals of Vitamin E Derivatives. Relation between Antioxidant Activity and Molecular Structure. Bulletin of the Chemical Society of Japan, 1992, 65, 2016-2020.	3.2	21
43	Investigation of Photoinduced Electron Transfer of the Model Vitamin Eâ˜Duroquinone System by Means of Femtosecond Spectroscopy. Journal of the American Chemical Society, 1996, 118, 7361-7366.	13.7	21
44	Inner-shell excitation spectroscopy and fragmentation of small hydrogen-bonded clusters of formic acid after core excitations at the oxygen K edge. Journal of Chemical Physics, 2006, 125, 194307.	3.0	21
45	Dual emitting Langmuirâ€“Blodgett films of cationic iridium complexes and montmorillonite clay for oxygen sensing. New Journal of Chemistry, 2012, 36, 2467.	2.8	21
46	Site-specific fragmentation caused by core-level photoionization in F3SiCH2CH2Si(CH3)3 vapor: Comparison between Si:1s and 2p photoionizations by means of photoelectron-photoion-photoion triple-coincidence spectroscopy. Journal of Chemical Physics, 2008, 129, 204309.	3.0	20
47	Intramolecular proton transfer in the triplet state of 1-(acylamino)anthraquinones. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 105, 29-33.	3.9	19
48	Site-specific phenomena in Si:2p core-level photoionization of X3Si(CH2)nSi(CH3)3 (X=F or Cl, n=0â€“2) condensed on a Si(111) surface. Chemical Physics, 1999, 249, 15-27.	1.9	19
49	Kinetic study of quenching reactions of singlet oxygen and scavenging reactions of free radicals by Î±-, Î²-, Î»- and Ïƒ-tocopheramines in ethanol solution and micellar dispersion. Lipids, 1994, 29, 799-802.	1.7	18
50	Site-specific fragmentation caused by Si:1s core-level photoionization of F3SiCH2CH2Si(CH3)3 vapor. Chemical Physics Letters, 2005, 412, 459-463.	2.6	18
51	Hybridization of clay minerals with the floating film of a cationic Ir(iii) complex at an airâ€“water interface. New Journal of Chemistry, 2011, 35, 394-399.	2.8	18
52	Correlation between Excited-State Intramolecular Proton-Transfer and Singlet-Oxygen Quenching Activities in 1-(Acylamino)anthraquinones. Journal of Physical Chemistry B, 2015, 119, 2525-2532.	2.6	18
53	Thermal and Photochemical Isomerization of Tetraaryl Tetrakis(trifluoromethyl)[4]radialenes. Journal of Organic Chemistry, 2000, 65, 1615-1622.	3.2	17
54	Site-specific fragmentation caused by core-level photoionization: Effect of chemisorption. Journal of Chemical Physics, 2002, 117, 3961-3971.	3.0	17

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55	UV protection and singlet-oxygen quenching activity of intramolecularly hydrogen-bonded hydroxyanthraquinone derivatives found in aloe. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 225, 106-112.	3.9	17
56	Site-Specific Fragmentation following C:1s Core-Level Photoionization of 1,1,1-Trifluoroethane Condensed on a Au Surface and of a 2,2,2-Trifluoroethanol Monolayer Chemisorbed on a Si(100) Surface. Journal of Physical Chemistry B, 2001, 105, 1554-1561.	2.6	16
57	Notable Effects of the Metal Salts on the Formation and Decay Reactions of Î±-Tocopheroxyl Radical in Acetonitrile Solution. The Complex Formation between Î±-Tocopheroxyl and Metal Cations. Journal of Physical Chemistry B, 2011, 115, 9880-9888.	2.6	16
58	Development of a New Free Radical Absorption Capacity Assay Method for Antioxidants: Aroxyl Radical Absorption Capacity (ARAC). Journal of Agricultural and Food Chemistry, 2013, 61, 10054-10062.	5.2	16
59	Development of a Singlet Oxygen Absorption Capacity (SOAC) Assay Method. Measurements of the SOAC Values for Carotenoids and Î±-Tocopherol in an Aqueous Triton X-100 Micellar Solution. Journal of Agricultural and Food Chemistry, 2017, 65, 784-792.	5.2	16
60	Investigation of fragmentation processes following core photoionization of organometallic molecules in the vapor phase. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 266, 699-703.	1.6	15
61	Time-Resolved Electron Paramagnetic Resonance Investigation of Photoinitiated Antioxidant Reaction of Vitamin C (Ascorbic Acid) with Xanthone in Aqueous Sodium Lauryl Sulfate, Hexadecyltrimethylammonium Chloride, and Triton X-100 Micelle Solutions. Journal of Physical Chemistry B, 2003, 107, 11527-11533.	2.6	15
62	Molecular double coreâ€“hole electron spectroscopy of large molecules for probing molecular size: A series of bridged trihalosilylâ€“trimethylsilyl molecules. Chemical Physics Letters, 2011, 518, 44-48.	2.6	15
63	Kinetic Study of Aroxyl Radical Scavenging and Î±-Tocopheroxyl Regeneration Rates of Pyrroloquinolinequinol (PQQH₂, a Reduced Form of Pyrroloquinolinequinone) in Dimethyl Sulfoxide Solution: Finding of Synergistic Effect on the Reaction Rate due to the Coexistence of Î±-Tocopherol and PQQH₂. Journal of Agricultural and Food Chemistry, 2013, 61, 11048-11060.	5.2	15
64	Correlation among Singlet-Oxygen Quenching, Free-Radical Scavenging, and Excited-State Intramolecular-Proton-Transfer Activities in Hydroxyflavones, Anthocyanidins, and 1-Hydroxyanthraquinones. Journal of Physical Chemistry A, 2017, 121, 8069-8079.	2.5	15
65	Kinetic Study on the Free Radical-Scavenging and Vitamin E-Regenerating Actions of Caffeic Acid and Its Related Compounds. Bulletin of the Chemical Society of Japan, 2006, 79, 1501-1508.	3.2	14
66	Computational Study of Excited-State Intramolecular-Proton-Transfer of o-Hydroxybenzaldehyde and Its Derivatives. Bulletin of the Chemical Society of Japan, 2009, 82, 570-573.	3.2	14
67	Multi-emitting properties of hybrid Langmuirâ€“Blodgett films of amphiphilic iridium complexes and the exfoliated nanosheets of saponite clay. New Journal of Chemistry, 2014, 38, 132-139.	2.8	14
68	Construction and Evaluation of Coaxially Symmetric Mirror Electron Energy Analyzer with High Sensitivity, and Its Application to Coincidence Spectroscopy. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 377-384.	0.2	14
69	Ionic fragmentation following core-level photoionization of Sn(CH3)4by soft X-rays. Physica Scripta, 1990, 41, 78-82.	2.5	12
70	X-Ray Crystallographic Studies of Vitamin E Derivatives. Relationship between Antioxidant Activity and Molecular Structure. Bulletin of the Chemical Society of Japan, 1993, 66, 3808-3810.	3.2	12
71	Time-Resolved EPR Investigation of the Photo-initiated Intramolecular Antioxidant Reaction of Vitamin Kâ^'Vitamin E Linked Molecule. Journal of Physical Chemistry B, 2001, 105, 5032-5038.	2.6	12
72	Recent progress in coincidence studies on ion desorption induced by core excitation. Journal of Physics Condensed Matter, 2006, 18, S1389-S1408.	1.8	12

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73	Photochemical formation and decay of tocopheroxyl radical in vitamin E emulsion: A laser-photolysis study. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 210, 173-180.	3.9	12
74	Surface-site-selective study of valence electronic states of a clean Si(111)-7Ã—7 surface using SiL23VVAuger electron and Si 2pphotoelectron coincidence measurements. Physical Review B, 2011, 83, .	3.2	12
75	Kinetic Study of the Î±-Tocopherol-Regeneration Reaction of Ubiquinol-10 in Methanol and Acetonitrile Solutions: Notable Effect of the Alkali and Alkaline Earth Metal Salts on the Reaction Rates. Journal of Physical Chemistry B, 2012, 116, 2615-2621.	2.6	12
76	Photoionization of (O2)2, (O2)3, and ArÂ·O2 in the 50â€“100 nm region: state selective ionization of O2 in a framework of van der Waals molecules. Chemical Physics Letters, 1990, 167, 334-340.	2.6	11
77	Time-resolved EPR investigation on the photoreactions of vitamin K with antioxidant vitamins in micelle systems. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 239-245.	3.9	11
78	Pyrroloquinoline quinone (PQQ) is reduced to pyrroloquinoline quinol (PQQH2) by vitamin C, and PQQH2 produced is recycled to PQQ by air oxidation in buffer solution at pH 7.4. Bioscience, Biotechnology and Biochemistry, 2016, 80, 178-187.	1.3	11
79	Electron Paramagnetic Resonance and Optical Detection of Magnetic Resonance Studies of the Lowest Excited Triplet States of Purine, Benzimidazole, and Indazole in Benzoic Acid Host Crystals. Bulletin of the Chemical Society of Japan, 1984, 57, 2376-2382.	3.2	10
80	Site-specific fragmentation caused by core-level photoexcitation: Comparison between Si:1s and 2p photoexcitations in F3SiCH2CH2Si(CH3)3 vapor. International Journal of Mass Spectrometry, 2005, 247, 101-105.	1.5	10
81	Tunneling Effect in Antioxidant Reaction of Flavonoid. Bulletin of the Chemical Society of Japan, 2009, 82, 216-218.	3.2	10
82	Kinetic study of the quenching reaction of singlet oxygen by Î±-, Î²-, Î³-, Î´-tocotrienols, and palm oil and soybean extracts in solution. Bioscience, Biotechnology and Biochemistry, 2014, 78, 2089-2101.	1.3	10
83	Ionic fragmentation following the 3p and 3s core excitation of Ga (CH3)3 by soft X-rays. Chemical Physics Letters, 1990, 170, 389-395.	2.6	9
84	Study of ion desorption induced by core-level excitations of condensed Si(CH3)4 by using photoelectron-photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation. Surface Science, 1997, 377-379, 376-379.	1.9	9
85	Site-specific fragmentation following F 1s photoionization of free CF3SF5 molecules studied by electronâ€“ion coincidence spectroscopy. Chemical Physics Letters, 2006, 431, 253-256.	2.6	9
86	Notable Effects of Metal Salts on UVâ€“Vis Absorption Spectra of Î±-, Î²-, Î³-, and Î´-Tocopheroxyl Radicals in Acetonitrile Solution. The Complex Formation between Tocopheroxyls and Metal Cations. Journal of Physical Chemistry B, 2012, 116, 8930-8941.	2.6	9
87	Finding of Synergistic and Cancel Effects on the Aroxyl Radical-Scavenging Rate and Suppression of Prooxidant Effect for Coexistence of Î±-Tocopherol with Î²-, Î³-, and Î´-Tocopherols (or -Tocotrienols). Journal of Agricultural and Food Chemistry, 2014, 62, 8101-8113.	5.2	9
88	Kinetic study of the quenching reaction of singlet oxygen by seven rice bran extracts in ethanol solution. Development of a singlet oxygen absorption capacity (SOAC) assay method. Bioscience, Biotechnology and Biochemistry, 2015, 79, 2063-2072.	1.3	9
89	Ionic fragmentation following the photoionization of Sn(CH3)4 in the 60â€“260 eV region. Chemical Physics Letters, 1990, 166, 391-396.	2.6	8
90	Electron-Ion Coincidence Spectroscopy as a New Tool for Surface Analysis â€“an Application to the Ice Surface. Japanese Journal of Applied Physics, 2000, 39, 4489-4492.	1.5	8

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91	Si:2p site-specific excitation and fragmentation of bridged trihalosilylâ€“trimethylsilyl molecules: role of the bridge and final-state effect. Chemical Physics, 2002, 276, 243-256.	1.9	8
92	Kinetic Study of the Tocopherol Regeneration Reaction by Biological Hydroquinones in Micellar Solution. Journal of Physical Chemistry A, 2008, 112, 448-456.	2.5	8
93	Auger-electron spectra of F3SiCH2CH2Si(CH3)3 obtained by using monochromatized synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 2009, 175, 14-20.	1.7	8
94	Surface-Site-Selective Study of Valence Electronic Structures of Clean Si(100)-2Ã—1 Using Si-L23VV Auger Electronâ€“Si-2p Photoelectron Coincidence Spectroscopy. Journal of the Physical Society of Japan, 2010, 79, 064714.	1.6	8
95	Topmost-surface-sensitive Si-2p photoelectron spectra of clean Si(100)-2Ã—1 measured with photoelectron Auger coincidence spectroscopy. Surface Science, 2010, 604, L27-L30.	1.9	8
96	A Revisit to Molecular Orbitals in H2+, LiH, HF, and Hybridization. Chemistry Letters, 2012, 41, 9-14.	1.3	8
97	Tunneling effect in vitamin E recycling by green tea. RSC Advances, 2016, 6, 47325-47336.	3.6	8
98	Measurements of Singlet Oxygenâ€Quenching Activity of Vitamin E Homologs and Palm Oil and Soybean Extracts in a Micellar Solution. Lipids, 2018, 53, 601-613.	1.7	8
99	Dissociative double ionization following valence and Al : 2pcore level photoexcitation of Al(CH3)3. Physica Scripta, 1990, 41, 472-474.	2.5	7
100	A Short History of Three Chemical Shifts. Journal of Chemical Education, 2007, 84, 801.	2.3	7
101	X-ray absorption spectra of SiF₄and Si(CH₃)₄in the SiK-shell excitation region. Journal of Physics: Conference Series, 2010, 235, 012018.	0.4	7
102	Kinetic study of aroxyl radical-scavenging action of vitamin E in membranes of egg yolk phosphatidylcholine vesicles. Chemistry and Physics of Lipids, 2011, 164, 205-210.	3.2	7
103	Aroxyl-Radical-Scavenging Rate Increases Remarkably under the Coexistence of Î±-Tocopherol and Ubiquinol-10 (or Vitamin C): Finding of Synergistic Effect on the Reaction Rate. Journal of Physical Chemistry B, 2013, 117, 8378-8391.	2.6	7
104	Correlations of computational ionization energy with experimental oxidation potential and with antioxidant efficiencies in catechins. Chemical Physics, 2019, 522, 77-83.	1.9	7
105	Electronic structures and energy relaxation in low-lying triplet states of chlorobenzene in rigid matrices. Chemical Physics Letters, 1986, 130, 39-42.	2.6	6
106	Dissociative photoionization of Al2(Ch3)6 and Al2(Ch3)3Cl3 in the range 40-100 eV. Applied Organometallic Chemistry, 1991, 5, 269-276.	3.5	6
107	Chemical Shifts in ESCA and NMR: The Case of Bridged Trichlorosilyl-Trimethylsilyl Molecules. Bulletin of the Chemical Society of Japan, 2006, 79, 537-548.	3.2	6
108	Kinetic Study of Singlet-Oxygen Quenching by Caffeic Acid and Related Phenols. Bulletin of the Chemical Society of Japan, 2009, 82, 689-691.	3.2	6

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109	Singlet Oxygen Lifetime in Vitamin E Emulsion Depends on the Oil-Droplet Size. Bulletin of the Chemical Society of Japan, 2010, 83, 246-253.	3.2	6
110	Kinetic Study of the Aroxyl-Radical-Scavenging Activity of Five Fatty Acid Esters and Six Carotenoids in Toluene Solution: Structureâ€“Activity Relationship for the Hydrogen Abstraction Reaction. Journal of Physical Chemistry B, 2017, 121, 7593-7601.	2.6	6
111	Practical Training in Simple HÃ¼ckel Theory: Matrix Diagonalization for Highly Symmetric Molecules and Visualization of Molecular Orbitals. Journal of Chemical Education, 2018, 95, 1579-1586.	2.3	6
112	Finding of remarkable synergistic effect on the aroxylâ€•radicalâ€•scavenging rates under the coexistence of Î±â€•tocopherol and catechins. International Journal of Chemical Kinetics, 2019, 51, 643-656.	1.6	6
113	Activity correlation among singlet-oxygen quenching, free-radical scavenging and excited-state proton-transfer in hydroxyflavones: Substituent and solvent effects. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113122.	3.9	6
114	Real-Time Monitoring of Low Pressure Oxygen Molecules over Wide Temperature Range: Feasibility of Ultrathin Hybrid Films of Iridium(III) Complexes and Clay Nanosheets. Bulletin of the Chemical Society of Japan, 2020, 93, 194-199.	3.2	6
115	A Study of the Zero Field Splittings of the Lowest Excited Triplet States of Substituted Benzenes and Related Molecules by Optical Detection of Magnetic Resonance, Electron Paramagnetic Resonance, and Molecular Orbital Calculations. Bulletin of the Chemical Society of Japan, 1986, 59, 355-361.	3.2	5
116	Anomalous Magnetic Property of Crystalline m-phenylenebis-(galvinoxyl) Biradical. An Evidence for the Strong Ferromagnetic Intermolecular Interaction in Biradical Crystal. Molecular Crystals and Liquid Crystals, 1993, 233, 1-8.	0.3	5
117	A CIDEP Study on the Photosensitized Reaction of Maleimide with Xanthone: Addition Effect of Hydrochloric Acid. Bulletin of the Chemical Society of Japan, 2000, 73, 37-42.	3.2	5
118	Comparison between the freeâ€•radicalâ€•scavenging activities with vitamin E and ubiquinol in biological systems based on their reaction rates: A research account. BioFactors, 2008, 32, 49-58.	5.4	5
119	Behavior of Singlet Oxygen in Vitamin E Emulsion. Bulletin of the Chemical Society of Japan, 2008, 81, 345-347.	3.2	5
120	Synthesis, structure and properties of ethyl naphth[2,3-f]isoindole-1-carboxylate. RSC Advances, 2013, 3, 3006.	3.6	5
121	Site-specific ion desorption from condensed F3SiCD2CH2Si(CH3)3 induced by Si-2p core-level ionizations studied with photoelectron photoion coincidence (PEPICO) spectroscopy, Auger photoelectron coincidence spectroscopy (APECS) and Auger electron photoion coincidence (AEPICO) spectroscopy. Surface Science, 2013, 607, 174-180.	1.9	5
122	Direct Observations of Correlation between Si-2p Components and Surface States on Si(110)-16 Ã— 2 Single-Domain Surface Using Si-L23VV Auger-Electron and Si-2p Photoelectron Coincidence Measurements. Journal of the Physical Society of Japan, 2017, 86, 054704.	1.6	4
123	Local valence electronic states of silicon (sub)oxides on HfO2/Si-(sub)oxide/Si(110) and HfSi2/Si-(sub)oxide/Si(110) Islands. Surface Science, 2019, 681, 9-17.	1.9	4
124	Simple relation between Arrhenius activation parameters for non-radiative processes from proton-transferred forms of intramolecularly hydrogen-bonded molecules. Journal of Photochemistry and Photobiology, 1987, 40, 185-188.	0.6	3
125	Ab initio study on magnetic properties of 1,1â€²,5,5â€²-tetramethyl- 6,6â€²-dithioxo-3,3â€²-biverdazyl homo-biradical and 3-(2â€²6â€²-di-t-butyl-4â€²-phenoxyl)-1,5-dimethyl-6-thioxoverdazyl hetero-biradical. Computational and Theoretical Chemistry, 1998, 455, 199-203.	1.5	3
126	Ion desorption caused by N1s core-level photoexcitation of N2O on Si(100) surface. Surface Science, 2005, 593, 276-282.	1.9	3

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127	Solvent-Polarity Dependence of Antioxidant Kinetics of Vitamin E. Journal of Computer Chemistry Japan, 2009, 8, 173-178.	0.1	3
128	Local Valence Electronic States of SiO2 Ultrathin Films Grown on Si(100) Studied Using Auger Photoelectron Coincidence Spectroscopy: Observation of Upward Shift of Valence-Band Maximum as a Function of SiO2 Thickness. Journal of the Physical Society of Japan, 2011, 80, 084703.	1.6	3
129	Site-dependent Si KL23L23 resonant Auger electron spectra following inner-shell excitation of Cl3SiSi(CH3)3. Journal of Chemical Physics, 2013, 139, 174314.	3.0	3
130	Kinetic Study of the Scavenging Reaction of the Aroxyl Radical by Eight Kinds of Vegetable Oils in Solution. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 731-742.	1.9	3
131	Kinetic Study of the Quenching Reaction of Singlet Oxygen by Eight Vegetable Oils in Solution. Journal of Oleo Science, 2019, 68, 21-31.	1.4	3
132	Adsorbed states of 1,1,1-trifluoro-2-propanol on Si(100). Surface Science, 2003, 529, 288-294.	1.9	2
133	Kinetics of Vitamin E Regeneration by Water-Soluble Antioxidants in Micellar Dispersions. Bulletin of the Chemical Society of Japan, 2007, 80, 1331-1334.	3.2	2
134	Dependence of Chemical Shift Difference on Core-Level. Bulletin of the Chemical Society of Japan, 2009, 82, 1248-1249.	3.2	2
135	Vitamin K analogue as a new fluorescence probe for quantitative antioxidant assay. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 215, 52-58.	3.9	2
136	A time-resolved luminescence study on singlet oxygen quenching by hydroxycinnamic acids under acidic, neutral and basic conditions. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 249, 1-8.	3.9	2
137	Three-Dimensional Visualization of Wave Functions for Rotating Molecule: Plot of Spherical Harmonics. Journal of Chemical Education, 2013, 90, 669-670.	2.3	2
138	A Kinetic Study of the Radical-Scavenging Action of Tocotrienols in the Membranes of Egg Yolk Phosphatidylcholine Vesicles. Journal of Nutritional Science and Vitaminology, 2014, 60, 443-446.	0.6	2
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