

Shin-ichi Nagaoka

List of Publications by Year in descending order

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154
papers

2,978
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201674

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Activity correlation among singlet-oxygen quenching, free-radical scavenging and excited-state proton-transfer in hydroxyflavones: Substituent and solvent effects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 409, 113122.	3.9	6
2	Site-specificity reduction during Auger decay following Si-2p photoionization in Cl ₃ SiSi(CH ₃) ₃ vapor: An interatomic-Coulombic-decay-like process. <i>Chemical Physics</i> , 2020, 534, 110756.	1.9	0
3	Kinetic Study of Singlet-Oxygen Quenching and Aroxyl-Radical Scavenging Activities of Vitamin E Homologs and Fatty Acids Present in Vegetable Oils. <i>Journal of Oleo Science</i> , 2020, 69, 7-22.	1.4	1
4	Real-Time Monitoring of Low Pressure Oxygen Molecules over Wide Temperature Range: Feasibility of Ultrathin Hybrid Films of Iridium(III) Complexes and Clay Nanosheets. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 194-199.	3.2	6
5	Finding of Remarkable Synergistic Effect on the Aroxyl-Radical-Scavenging Rates (k_s) under the Coexistence of Vitamin E Homologues (or Vegetable Oils) and Ubiquinol-10: Proposal of A New Mechanism to Explain An Increase of k_s Value. <i>Journal of Oleo Science</i> , 2020, 69, 1241-1255.	1.4	0
6	Investigation of Intramolecular Proton Transfer in Ionic States of <i>o</i> -Hydroxybenzaldehyde Derivatives by Using Electron Spin Resonance Spectroscopy and Computational Chemistry. <i>Chemistry Letters</i> , 2020, 49, 1399-1402.	1.3	0
7	Kinetic Study of the Quenching Reaction of Singlet Oxygen by Eight Vegetable Oils in Solution. <i>Journal of Oleo Science</i> , 2019, 68, 21-31.	1.4	3
8	Finding of remarkable synergistic effect on the aroxyl radical scavenging rates under the coexistence of α -tocopherol and catechins. <i>International Journal of Chemical Kinetics</i> , 2019, 51, 643-656.	1.6	6
9	Correlations of computational ionization energy with experimental oxidation potential and with antioxidant efficiencies in catechins. <i>Chemical Physics</i> , 2019, 522, 77-83.	1.9	7
10	Local valence electronic states of silicon (sub)oxides on HfO ₂ /Si-(sub)oxide/Si(110) and HfSi ₂ /Si-(sub)oxide/Si(110) Islands. <i>Surface Science</i> , 2019, 681, 9-17.	1.9	4
11	Measurements of Singlet Oxygen Quenching Activity of Vitamin E Homologs and Palm Oil and Soybean Extracts in a Micellar Solution. <i>Lipids</i> , 2018, 53, 601-613.	1.7	8
12	Practical Training in Simple H \checkmark ckel Theory: Matrix Diagonalization for Highly Symmetric Molecules and Visualization of Molecular Orbitals. <i>Journal of Chemical Education</i> , 2018, 95, 1579-1586.	2.3	6
13	Kinetic Study of the Scavenging Reaction of the Aroxyl Radical by Eight Kinds of Vegetable Oils in Solution. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2018, 95, 731-742.	1.9	3
14	Development of a Singlet Oxygen Absorption Capacity (SOAC) Assay Method. Measurements of the SOAC Values for Carotenoids and α -Tocopherol in an Aqueous Triton X-100 Micellar Solution. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 784-792.	5.2	16
15	Correlation among Singlet-Oxygen Quenching, Free-Radical Scavenging, and Excited-State Intramolecular-Proton-Transfer Activities in Hydroxyflavones, Anthocyanidins, and 1-Hydroxyanthraquinones. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8069-8079.	2.5	15
16	Kinetic Study of the Aroxyl-Radical-Scavenging Activity of Five Fatty Acid Esters and Six Carotenoids in Toluene Solution: Structure Activity Relationship for the Hydrogen Abstraction Reaction. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7593-7601.	2.6	6
17	Direct Observations of Correlation between Si-2p Components and Surface States on Si(110)-16 Å ² Single-Domain Surface Using Si-L23VV Auger-Electron and Si-2p Photoelectron Coincidence Measurements. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 054704.	1.6	4
18	Practical Training on Adding Polarization Function to Basis Set for Molecular Orbital Calculation of Ethylene. <i>Journal of Computer Chemistry Japan -International Edition</i> , 2017, 3, n/a.	0.1	0

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19	Site-Specific Electron-Relaxation Caused by Si:2p Core-Level Photoionization: Comparison between F3SiCH2CH2Si(CH3)3 and Cl3SiCH2CH2Si(CH3)3 Vapors by Means of Photoelectron Auger Electron Coincidence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9907-9915.	2.5	2
20	Kinetic Study of Aroxyl-Radical-Scavenging and $\hat{I}\pm$ -Tocopherol-Regeneration Rates of Five Catecholamines in Solution: Synergistic Effect of $\hat{I}\pm$ -Tocopherol and Catecholamines. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7088-7097.	2.6	2
21	Tunneling effect in vitamin E recycling by green tea. <i>RSC Advances</i> , 2016, 6, 47325-47336.	3.6	8
22	Pyrrloquinoline 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. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 178-187.	1.3	11
23	TD DFT Study of Intramolecular Proton Transfer by Absorption And Emission Spectra of o-Hydroxybenzaldehyde. <i>Journal of Computer Chemistry Japan</i> , 2016, 14, 209-210.	0.1	0
24	Local Valence Electronic States and Valence-Band Maximum of Ultrathin Silicon Nitride Films on Si(111) Studied by Auger Photoelectron Coincidence Spectroscopy: Thickness and Interface Structure Dependence. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 044711.	1.6	0
25	Notable Effects of the Metal Salts on the Quenching Reaction of Singlet Oxygen by $\hat{I}\pm$ -Tocopherol in Ethanol Solution. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1503-1510.	3.2	0
26	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. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 2063-2072.	1.3	9
27	Correlation between Excited-State Intramolecular Proton-Transfer and Singlet-Oxygen Quenching Activities in 1-(Acylamino)anthraquinones. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2525-2532.	2.6	18
28	Kinetic study of the quenching reaction of singlet oxygen by $\hat{I}\pm$ -, \hat{I}^2 -, \hat{I}^3 -, \hat{I}' -tocotrienols, and palm oil and soybean extracts in solution. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 2089-2101.	1.3	10
29	Photoelectron and Auger-electron spectra of Cl 3 SiSi(CH 3) 3 obtained by using monochromatized synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 195, 18-25.	1.7	1
30	Multi-emitting properties of hybrid Langmuir-Blodgett films of amphiphilic iridium complexes and the exfoliated nanosheets of saponite clay. <i>New Journal of Chemistry</i> , 2014, 38, 132-139.	2.8	14
31	Finding of Synergistic and Cancel Effects on the Aroxyl Radical-Scavenging Rate and Suppression of Prooxidant Effect for Coexistence of $\hat{I}\pm$ -Tocopherol with \hat{I}^2 -, \hat{I}^3 -, and \hat{I}' -Tocopherols (or -Tocotrienols). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8101-8113.	5.2	9
32	A Kinetic Study of the Radical-Scavenging Action of Tocotrienols in the Membranes of Egg Yolk Phosphatidylcholine Vesicles. <i>Journal of Nutritional Science and Vitaminology</i> , 2014, 60, 443-446.	0.6	2
33	Kinetic Study of Aroxyl Radical Scavenging and $\hat{I}\pm$ -Tocopheroxyl Regeneration Rates of Pyrroloquinolinequinol (PQQH ₂ , a Reduced Form of Pyrroloquinolinequinone) in Dimethyl Sulfoxide Solution: Finding of Synergistic Effect on the Reaction Rate due to the Coexistence of $\hat{I}\pm$ -Tocopherol and PQQH ₂ . <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 11048-11060.	5.2	15
34	Development of a New Free Radical Absorption Capacity Assay Method for Antioxidants: Aroxyl Radical Absorption Capacity (ARAC). <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10054-10062.	5.2	16
35	Synthesis, structure and properties of ethyl naphth[2,3-f]isoindole-1-carboxylate. <i>RSC Advances</i> , 2013, 3, 3006.	3.6	5
36	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. <i>Surface Science</i> , 2013, 607, 174-180.	1.9	5

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37	Aroxyl-Radical-Scavenging Rate Increases Remarkably under the Coexistence of $\hat{I}\pm$ -Tocopherol and Ubiquinol-10 (or Vitamin C): Finding of Synergistic Effect on the Reaction Rate. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8378-8391.	2.6	7
38	Ultrafast Excited-State Intramolecular Proton Transfer of Aloesaponarin I. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4347-4353.	2.6	23
39	Three-Dimensional Visualization of Wave Functions for Rotating Molecule: Plot of Spherical Harmonics. <i>Journal of Chemical Education</i> , 2013, 90, 669-670.	2.3	2
40	Site-dependent Si KL23L23 resonant Auger electron spectra following inner-shell excitation of Cl3SiSi(CH3)3. <i>Journal of Chemical Physics</i> , 2013, 139, 174314.	3.0	3
41	A Revisit to Molecular Orbitals in H2+, LiH, HF, and Hybridization. <i>Chemistry Letters</i> , 2012, 41, 9-14.	1.3	8
42	A Molecular Orbital Study of the Dipole Moment of HF, LiH, and HeH+. <i>Chemistry Letters</i> , 2012, 41, 1642-1643.	1.3	1
43	Kinetic Study of the $\hat{I}\pm$ -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. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2615-2621.	2.6	12
44	Notable Effects of Metal Salts on UV-Vis Absorption Spectra of $\hat{I}\pm$, \hat{I}^2 , \hat{I}^3 , and \hat{I}^4 -Tocopheroxyl Radicals in Acetonitrile Solution. The Complex Formation between Tocopheroxyls and Metal Cations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8930-8941.	2.6	9
45	Corrigendum to "UV protection and singlet-oxygen quenching activity of intramolecularly hydrogen-bonded hydroxyanthraquinone derivatives found in aloë[J]. <i>Photochem. Photobiol. A</i> 225 (2011) 106-112". <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 240, 75.	3.9	0
46	A time-resolved luminescence study on singlet oxygen quenching by hydroxycinnamic acids under acidic, neutral and basic conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 249, 1-8.	3.9	2
47	Dual emitting Langmuir-Blodgett films of cationic iridium complexes and montmorillonite clay for oxygen sensing. <i>New Journal of Chemistry</i> , 2012, 36, 2467.	2.8	21
48	Development of Singlet Oxygen Absorption Capacity (SOAC) Assay Method. 3. Measurements of the SOAC Values for Phenolic Antioxidants. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 7905-7916.	5.2	28
49	Hybridization of clay minerals with the floating film of a cationic Ir(III) complex at an air-water interface. <i>New Journal of Chemistry</i> , 2011, 35, 394-399.	2.8	18
50	A Study To Control Chemical Reactions Using Si:2p Core Ionization: Site-Specific Fragmentation. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8822-8831.	2.5	32
51	Notable Effects of the Metal Salts on the Formation and Decay Reactions of $\hat{I}\pm$ -Tocopheroxyl Radical in Acetonitrile Solution. The Complex Formation between $\hat{I}\pm$ -Tocopheroxyl and Metal Cations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9880-9888.	2.6	16
52	Development of Singlet Oxygen Absorption Capacity (SOAC) Assay Method. 2. Measurements of the SOAC Values for Carotenoids and Food Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3717-3729.	5.2	50
53	Surface-site-selective study of valence electronic states of a clean Si(111)-7 \times 7 surface using SiL23VVAuger electron and Si 2pphotoelectron coincidence measurements. <i>Physical Review B</i> , 2011, 83, .	3.2	12
54	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. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 084703.	1.6	3

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55	UV protection and singlet-oxygen quenching activity of intramolecularly hydrogen-bonded hydroxyanthraquinone derivatives found in aloe. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 225, 106-112.	3.9	17
56	Molecular double core "hole" electron spectroscopy of large molecules for probing molecular size: A series of bridged trihalosilyl-trimethylsilyl molecules. <i>Chemical Physics Letters</i> , 2011, 518, 44-48.	2.6	15
57	Kinetic study of aroxyl radical-scavenging action of vitamin E in membranes of egg yolk phosphatidylcholine vesicles. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 205-210.	3.2	7
58	A photolysis study on superoxide quenching at water/oil interface of Aerosol OT reversed micelle. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 218, 93-100.	3.9	1
59	X-ray absorption spectra of SiF ₄ and Si(CH ₃) ₄ in the Si K-shell excitation region. <i>Journal of Physics: Conference Series</i> , 2010, 235, 012018.	0.4	7
60	Surface-Site-Selective Study of Valence Electronic Structures of Clean Si(100)-2 \times 1 Using Si-L23W Auger Electron Si-2p Photoelectron Coincidence Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 064714.	1.6	8
61	Singlet Oxygen Lifetime in Vitamin E Emulsion Depends on the Oil-Droplet Size. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 246-253.	3.2	6
62	Tunneling Effect in Regeneration Reaction of Vitamin E by Ubiquinol. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6601-6607.	2.6	28
63	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. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9967-9978.	5.2	93
64	Photochemical formation and decay of tocopheroxyl radical in vitamin E emulsion: A laser-photolysis study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 173-180.	3.9	12
65	Vitamin K analogue as a new fluorescence probe for quantitative antioxidant assay. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 52-58.	3.9	2
66	Topmost-surface-sensitive Si-2p photoelectron spectra of clean Si(100)-2 \times 1 measured with photoelectron Auger coincidence spectroscopy. <i>Surface Science</i> , 2010, 604, L27-L30.	1.9	8
67	Solvent-Polarity Dependence of Antioxidant Kinetics of Vitamin E. <i>Journal of Computer Chemistry Japan</i> , 2009, 8, 173-178.	0.1	3
68	Kinetic Study of the Prooxidant Effect of α -Tocopherol. Hydrogen Abstraction from Lipids by α -Tocopheroxyl Radical. <i>Lipids</i> , 2009, 44, 935-43.	1.7	30
69	Singlet oxygen quenching by trolox C in aqueous micelle solutions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 97, 132-137.	3.8	22
70	Auger-electron spectra of F ₃ SiCH ₂ CH ₂ Si(CH ₃) ₃ obtained by using monochromatized synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 175, 14-20.	1.7	8
71	Kinetic Study of the Antioxidant Activity of Pyrroloquinolinequinol (PQQH ₂ , a Reduced) Tj ETQq1 1 0.784314 rgBT /Overl 2009, 57, 450-456.	5.2	46
72	Kinetic Study of the Aroxyl Radical-Scavenging Reaction of α -Tocopherol in Methanol Solution: Notable Effect of the Alkali and Alkaline Earth Metal Salts on the Reaction Rates. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13322-13331.	2.6	24

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73	Dependence of Chemical Shift Difference on Core-Level. Bulletin of the Chemical Society of Japan, 2009, 82, 1248-1249.	3.2	2
74	Tunneling Effect in Antioxidant Reaction of Flavonoid. Bulletin of the Chemical Society of Japan, 2009, 82, 216-218.	3.2	10
75	Computational Study of Excited-State Intramolecular-Proton-Transfer of <i>o</i> -Hydroxybenzaldehyde and Its Derivatives. Bulletin of the Chemical Society of Japan, 2009, 82, 570-573.	3.2	14
76	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
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	Comparison between the free-radical-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
79	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
80	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
81	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
82	Behavior of Singlet Oxygen in Vitamin E Emulsion. Bulletin of the Chemical Society of Japan, 2008, 81, 345-347.	3.2	5
83	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
84	UV Protection and Singlet Oxygen Quenching Activity of Aloesaponarin I. Journal of Physical Chemistry B, 2007, 111, 13116-13123.	2.6	22
85	A Short History of Three Chemical Shifts. Journal of Chemical Education, 2007, 84, 801.	2.3	7
86	Structure-Activity Relationship of the Free-Radical-Scavenging Reaction by Vitamin E ($\hat{1}\pm$, $\hat{1}^2$ -, $\hat{1}^3$ -). Journal of Physical Chemistry B, 2007, 111, 652-662.	2.6	69
87	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
88	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
89	Site-specific fragmentation following F 1s photoionization of free CF3SF5 molecules studied by electron-ion coincidence spectroscopy. Chemical Physics Letters, 2006, 431, 253-256.	2.6	9
90	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

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91	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
92	Recent progress in coincidence studies on ion desorption induced by core excitation. Journal of Physics Condensed Matter, 2006, 18, S1389-S1408.	1.8	12
93	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
94	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
95	Ion desorption caused by N1s core-level photoexcitation of N2O on Si(100) surface. Surface Science, 2005, 593, 276-282.	1.9	3
96	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
97	Structure?activity relationship of the tocopherol-regeneration reaction by catechins. Free Radical Biology and Medicine, 2005, 38, 1243-1256.	2.9	97
98	Why is the order reversed? peroxy-scavenging activity and fats-and-oils protecting activity of vitamin E. International Journal of Chemical Kinetics, 2005, 37, 605-610.	1.6	22
99	Photostimulated ion desorption from the TiO2(110) and ZnO surfaces. Surface Science, 2004, 572, 43-58.	1.9	23
100	Adsorbed states of 1,1,1-trifluoro-2-propanol on Si(100). Surface Science, 2003, 529, 288-294.	1.9	2
101	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
102	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
103	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
104	Site-Specific Fragmentation Caused by Core-Level Excitation. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 3-8.	0.2	0
105	Site-specific fragmentation caused by core-level photoionization: Effect of chemisorption. Journal of Chemical Physics, 2002, 117, 3961-3971.	3.0	17
106	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
107	Si:2p site-specific excitation and fragmentation of bridged trihalosilyl-?trimethylsilyl molecules: role of the bridge and final-state effect. Chemical Physics, 2002, 276, 243-256.	1.9	8
108	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

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109	Time-Resolved EPR Investigation of the Photo-initiated Intramolecular Antioxidant Reaction of Vitamin K α -Vitamin E Linked Molecule. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5032-5038.	2.6	12
110	A CIDEP Study on the Photosensitized Reaction of Maleimide with Xanthone: Addition Effect of Hydrochloric Acid. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 37-42.	3.2	5
111	Electron-Ion Coincidence Spectroscopy as a New Tool for Surface Analysis –an Application to the Ice Surface. <i>Japanese Journal of Applied Physics</i> , 2000, 39, 4489-4492.	1.5	8
112	Thermal and Photochemical Isomerization of Tetraaryl Tetrakis(trifluoromethyl)[4]radialenes. <i>Journal of Organic Chemistry</i> , 2000, 65, 1615-1622.	3.2	17
113	Ion desorption induced by core-electron transitions studied with electron-ion coincidence spectroscopy. <i>Surface Science</i> , 2000, 451, 143-152.	1.9	31
114	Tunneling Effect in Antioxidant, Prooxidant, and Regeneration Reactions of Vitamin E. <i>Journal of Physical Chemistry B</i> , 2000, 104, 856-862.	2.6	44
115	Nodal-plane model of the excited-state intramolecular proton transfer of 2-(<i>o</i> -hydroxyaryl)benzazoles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 122, 151-159.	3.9	83
116	Site-specific phenomena in Si:2p core-level photoionization of X ₃ Si(CH ₂) _n Si(CH ₃) ₃ (X=F or Cl, n=0–2) condensed on a Si(111) surface. <i>Chemical Physics</i> , 1999, 249, 15-27.	1.9	19
117	Tunneling effect in the regeneration reaction of vitamin E by ubiquinol. <i>Chemical Physics Letters</i> , 1998, 287, 70-74.	2.6	23
118	Ab initio study on magnetic properties of 1,1,5,5-tetramethyl-6,6-dithioxo-3,3-biverdazyl homo-biradical and 3-(2,6-di- <i>t</i> -butyl-4-phenoxyl)-1,5-dimethyl-6-thioxoverdazyl hetero-biradical. <i>Computational and Theoretical Chemistry</i> , 1998, 455, 199-203.	1.5	3
119	Structural science and various functions in hydrogen-bond materials. Tunneling Effect in Regeneration Reactions of Vitamin E.. <i>Nihon Kessho Gakkaishi</i> , 1998, 40, 119-123.	0.0	0
120	Site-specific fragmentation following Si:2p core-level photoionization of F ₃ SiCH ₂ CH ₂ Si(CH ₃) ₃ condensed on a Au surface. <i>Journal of Chemical Physics</i> , 1997, 107, 10751-10755.	3.0	41
121	Kinetic Study of Free-Radical-Scavenging Action of Flavonoids in Homogeneous and Aqueous Triton X-100 Micellar Solutions. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3746-3753.	2.5	66
122	Electronic-State Dependence of Intramolecular Proton Transfer of <i>o</i> -Hydroxybenzaldehyde. 2. Substituent Effect. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3061-3065.	2.5	39
123	Study of ion desorption induced by core-level excitations of condensed Si(CH ₃) ₄ by using photoelectron-photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation. <i>Surface Science</i> , 1997, 377-379, 376-379.	1.9	9
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