Tomoya Takada

List of Publications by Year
in descending order

39 papers	142 citations	1683934 5 h-index	1372474 10 g-index
39 all docs	39 docs citations	39 times ranked	161 citing authors

#	Article	IF	Citations
1	Removal of Volatile Toluene Using K2CO3-Activated Carbon Adsorbents Prepared from Buckwheat Hull. Pollutants, 2022, 2, 12-20.	1.0	4
2	Direct ab initio molecular dynamics study on the reactions of multi-valence ionized states of water dimer. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 145103.	0.6	1
3	Evaluation of thermal conductivity and esthetic quality of denture base resin composites with acrylic polymer and nanodiamonds. Journal of Applied Polymer Science, 2021, 138, 51436.	1.3	1
4	Cover Image, Volume 138, Issue 46. Journal of Applied Polymer Science, 2021, 138, 51586.	1.3	0
5	Solvatochromism of 4-(diethylamino)-4â€™-nitroazobenzene: explanation based on CNDO/S calculation results. Journal of Computer Aided Chemistry, 2021, 22, 8-16.	0.3	0
6	Fractal dimensional analysis on dispersion/aggregation state of MWCNT in poly(4-chloromethyl)styrene: effect of UV-induced polymer-MWCNT chemical bond formation and its influence on electrical conductivity of their composites. International Journal of Polymer Analysis and Characterization, 2020, 25, 252-261.	0.9	3
7	Removal of Fâ˜ from Water Using Templated Mesoporous Carbon Modified with Hydrated Zirconium Oxide. Journal of Carbon Research, 2020, 6, 13.	1.4	2
8	Size- and Morphology-Controlled Preparation of Surface-Modified Water-Dispersible Fullerene Nanoparticles for Bioapplications. Journal of Nanoscience and Nanotechnology, 2020, 20, 2668-2674.	0.9	0
9	Fabrication of infrared-responsive carbon nanotube coating on glass surface through covalent bond formation using photoreactive silane coupling agent. Journal of the Ceramic Society of Japan, 2020, 128, 1066-1071.	0.5	0
10	Thermoresponse of poly(acrylamide-<i>co</i>-butyl methacrylate)/polyacrylic acid/MWCNT composite hydrogels observed by infrared irradiation. Tanso, 2020, 2020, 135-139.	0.1	1
11	Preparation of MgO-Templated N-Doped Mesoporous Carbons from Polyvinylpyrrolidone: Effect of Heating Temperature on Pore Size Distribution. Journal of Carbon Research, 2019, 5, 15.	1.4	0
12	The Ultraviolet-Induced Functionalization of Multi-Walled Carbon Nanotubes with Polymer Radicals Generated from Polyvinyl Benzoate Derivatives. Journal of Carbon Research, 2017, 3, 28.	1.4	2
13	Simple Process for Sidewall Modification of Multi-Walled Carbon Nanotubes with Polymer Side Chain Radicals Generated by Ultraviolet-Induced Câ€“Cl Bond Dissociation of Polystyrene Derivatives. Journal of Carbon Research, 2016, 2, 20.	1.4	4
14	Ionization dynamics of the branched water cluster: A long-lived non-proton-transferred intermediate. Computational and Theoretical Chemistry, 2016, 1089, 13-20.	1.1	4
15	Ionization dynamics of small water clusters: Proton transfer rate. Chemical Physics, 2016, 475, 9-13.	0.9	8
16	Firm attachment of carboxylated multi-walled carbon nanotubes onto an amino-functionalized glass surface through ionic interaction. Tanso, 2015, 2015, 7-10.	0.1	1
17	Photometric Characteristics of Aqueous Solutions and Polymer Films Containing Bromothymol Blue/Diphenyliodonium Salts Applied for UV Monitoring. E-Journal of Surface Science and Nanotechnology, 2015, 13, 15-18.	0.1	0
18	Proton transfer rates in ionized water clusters (H₂O)_n (n = 2â€“4). RSC Advances, 2015, 5, 6945-6953.	1.7	28

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19	Interaction of Multi-Walled Carbon Nanotubes with Water-Soluble Proteins: Effect of Sidewall Carboxylation. Journal of Nanoscience and Nanotechnology, 2014, 14, 3216-3220.	0.9	4
20	Density Functional Theory Study on the Reaction of Finite-Sized Graphene with Methyne. Molecular Crystals and Liquid Crystals, 2013, 579, 62-68.	0.4	0
21	Ionization dynamics of the water trimer: A direct ab initio MD study. Chemical Physics, 2013, 415, 76-83.	0.9	20
22	Scanning Electron Microscope Observation of Nano Carbon Materials with Imidazolium-Type Room Temperature Ionic Liquids. Japanese Journal of Applied Physics, 2013, 52, 01AH02.	0.8	2
23	Biodistribution of Aqueous Suspensions of Carbon Nanotubes in Mice and Their Biocompatibility. Journal of Nanoscience and Nanotechnology, 2012, 12, 700-706.	0.9	7
24	Amide Bond Formation between Carboxylated Multi-Walled Carbon Nanotubes and Glass Surface by Using Carbodiimide Condensing Agent and Triazole Derivatives. Molecular Crystals and Liquid Crystals, 2012, 568, 38-45.	0.4	5
25	Mechanism of the intramolecular hydrogen transfer reaction at ground and excited state of tert-butyl radical: An ESR and DFT study. Journal of Molecular Structure, 2012, 1020, 1-5.	1.8	0
26	Development of a novel transparent substrate coated by carbon nanotubes through covalent bonding. Physics Procedia, 2011, 14, 147-151.	1.2	3
27	Ab initio MO Study of Hydrogen Bonding and Spectral Characteristics of HCN-H2O-HCN Trimer: Comparison between Dimer and Trimer. Journal of Computer Aided Chemistry, 2010, 11, 36-43.	0.3	0
28	A DFT and MD Study on the Interaction of Carbon Nano-Materials with Metal Ions. Molecular Crystals and Liquid Crystals, 2009, 505, 51/[289]-58/[296].	0.4	2
29	Formaldehyde reduction with scallop shell powders fired at high temperatures: Identification of the effective ingredient. Bio-Medical Materials and Engineering, 2009, 19, 187-192.	0.4	4
30	DFT and direct ab-initio MD study on hyperfine coupling constants of methyl radicals adsorbed on model surface of silica gel. Journal of Molecular Catalysis A, 2009, 311, 54-60.	4.8	5
31	Antibacterial and antifungal effects of fired scallop shell - glass composites fabricated by a simple process. Journal of the Ceramic Society of Japan, 2008, 116, S1-S4.	0.5	2
32	Hybrid DFT study of the hyperfine coupling constants of methyl radicals in model matrix lattices. International Journal of Quantum Chemistry, 2005, 105, 79-83.	1.0	5
33	Computational Study on Methyl Radical Interacting with Boron Oxide. Journal of Computer Chemistry Japan, 2004, 3, 121-128.	0.0	0
34	Photoinduced isomerization of alkyl radicals in low-temperature solids: dependence of its efficiency on the position of the radical site. Chemical Physics Letters, 2001, 335, 375-380.	1.2	3
35	Photoinduced reactions of 1-(dimethylethyl)-2,2-dimethylpropyl and cyclohexyl radicals in low-temperature solids. Chemical Physics Letters, 2001, 340, 256-260.	1.2	4
36	Matrix Effect on Hydrogen Atom Tunneling:Â Comparison between Hydrogen Addition and Abstraction. Journal of Physical Chemistry A, 2000, 104, 2581-2586.	1.1	1

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37	Secondary Isotope Effect on Photoinduced Isomerization of Alkyl Radicals in Low-Temperature Solids. Journal of Physical Chemistry B, 2000, 104, 703-708.	1.2	5
38	Intramolecular hydrogen transfer of excited alkyl radicals in the solid phase. Chemical Physics Letters, 1999, 300, 253-256.	1.2	4
39	Isotope Effect on Photoinduced Isomerization of Alkyl Radicals Trapped in 77 K Solid Alkanes. Journal of Physical Chemistry B, 1997, 101, 4379-4382.	1.2	7