

# Tomoya Takada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5125030/publications.pdf>

Version: 2024-02-01

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	Proton transfer rates in ionized water clusters (H <sub>2</sub> O) <sub>n</sub> (n = 2–4). RSC Advances, 2015, 5, 6945-6953.	1.7	28
2	Ionization dynamics of the water trimer: A direct ab initio MD study. Chemical Physics, 2013, 415, 76-83.	0.9	20
3	Ionization dynamics of small water clusters: Proton transfer rate. Chemical Physics, 2016, 475, 9-13.	0.9	8
4	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
5	Biodistribution of Aqueous Suspensions of Carbon Nanotubes in Mice and Their Biocompatibility. Journal of Nanoscience and Nanotechnology, 2012, 12, 700-706.	0.9	7
6	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
7	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
8	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
9	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
10	Intramolecular hydrogen transfer of excited alkyl radicals in the solid phase. Chemical Physics Letters, 1999, 300, 253-256.	1.2	4
11	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
12	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
13	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
14	Simple Process for Sidewall Modification of Multi-Walled Carbon Nanotubes with Polymer Side Chain Radicals Generated by Ultraviolet-Induced C-Cl Bond Dissociation of Polystyrene Derivatives. Journal of Carbon Research, 2016, 2, 20.	1.4	4
15	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
16	Removal of Volatile Toluene Using K <sub>2</sub> CO <sub>3</sub> -Activated Carbon Adsorbents Prepared from Buckwheat Hull. Pollutants, 2022, 2, 12-20.	1.0	4
17	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
18	Development of a novel transparent substrate coated by carbon nanotubes through covalent bonding. Physics Procedia, 2011, 14, 147-151.	1.2	3

#	ARTICLE	IF	CITATIONS
19	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. <i>International Journal of Polymer Analysis and Characterization</i> , 2020, 25, 252-261.	0.9	3
20	Antibacterial and antifungal effects of fired scallop shell - glass composites fabricated by a simple process. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, S1-S4.	0.5	2
21	A DFT and MD Study on the Interaction of Carbon Nano-Materials with Metal Ions. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 505, 51/[289]-58/[296].	0.4	2
22	Scanning Electron Microscope Observation of Nano Carbon Materials with Imidazolium-Type Room Temperature Ionic Liquids. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AH02.	0.8	2
23	The Ultraviolet-Induced Functionalization of Multi-Walled Carbon Nanotubes with Polymer Radicals Generated from Polyvinyl Benzoate Derivatives. <i>Journal of Carbon Research</i> , 2017, 3, 28.	1.4	2
24	Removal of Fâ <sup>+</sup> from Water Using Templated Mesoporous Carbon Modified with Hydrated Zirconium Oxide. <i>Journal of Carbon Research</i> , 2020, 6, 13.	1.4	2
25	Matrix Effect on Hydrogen Atom Tunneling:Â Comparison between Hydrogen Addition and Abstraction. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2581-2586.	1.1	1
26	Firm attachment of carboxylated multi-walled carbon nanotubes onto an amino-functionalized glass surface through ionic interaction. <i>Tanso</i> , 2015, 2015, 7-10.	0.1	1
27	Direct ab initio molecular dynamics study on the reactions of multi-valence ionized states of water dimer. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 145103.	0.6	1
28	Evaluation of thermal conductivity and esthetic quality of denture base resin composites with acrylic polymer and nanodiamonds. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51436.	1.3	1
29	Thermoresponse of poly(acrylamide-&lt;i>i&gt;co&lt;i>i&gt;-butyl methacrylate)/polyacrylic acid/MWCNT composite hydrogels observed by infrared irradiation. <i>Tanso</i> , 2020, 2020, 135-139.	0.1	1
30	Mechanism of the intramolecular hydrogen transfer reaction at ground and excited state of tert-butyl radical: An ESR and DFT study. <i>Journal of Molecular Structure</i> , 2012, 1020, 1-5.	1.8	0
31	Density Functional Theory Study on the Reaction of Finite-Sized Graphene with Methyne. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 579, 62-68.	0.4	0
32	Photometric Characteristics of Aqueous Solutions and Polymer Films Containing Bromothymol Blue/Diphenyliodonium Salts Applied for UV Monitoring. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 15-18.	0.1	0
33	Preparation of MgO-Templated N-Doped Mesoporous Carbons from Polyvinylpyrrolidone: Effect of Heating Temperature on Pore Size Distribution. <i>Journal of Carbon Research</i> , 2019, 5, 15.	1.4	0
34	Cover Image, Volume 138, Issue 46. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51586.	1.3	0
35	Computational Study on Methyl Radical Interacting with Boron Oxide. <i>Journal of Computer Chemistry Japan</i> , 2004, 3, 121-128.	0.0	0
36	Ab initio MO Study of Hydrogen Bonding and Spectral Characteristics of HCN-H <sub>2</sub> O-HCN Trimer: Comparison between Dimer and Trimer. <i>Journal of Computer Aided Chemistry</i> , 2010, 11, 36-43.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Size- and Morphology-Controlled Preparation of Surface-Modified Water-Dispersible Fullerene Nanoparticles for Bioapplications. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2668-2674.	0.9	0
38	Fabrication of infrared-responsive carbon nanotube coating on glass surface through covalent bond formation using photoreactive silane coupling agent. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 1066-1071.	0.5	0
39	Solvatochromism of 4-(diethylamino)-4-nitroazobenzene: explanation based on CNDO/S calculation results. <i>Journal of Computer Aided Chemistry</i> , 2021, 22, 8-16.	0.3	0