

# Yuichi Tominaga

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

451  
citations

759233

12  
h-index

752698

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly Imprinted Polymers for Selective Adsorption of Lysozyme and Cytochrome <i>c</i> Using a PEG-Based Hydrogel: Selective Recognition for Different Conformations Due to pH Conditions. <i>Macromolecules</i> , 2015, 48, 4081-4087.	4.8	49
2	Effective Recognition on the Surface of a Polymer Prepared by Molecular Imprinting Using Ionic Complex. <i>Macromolecules</i> , 2009, 42, 2911-2915.	4.8	34
3	Surface modification of TiO <sub>2</sub> for selective photodegradation of toxic compounds. <i>Catalysis Communications</i> , 2011, 12, 785-789.	3.3	33
4	Effective determination of a pharmaceutical, sulphiride, in river water by online SPE-LC-MS using a molecularly imprinted polymer as a preconcentration medium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 89, 111-117.	2.8	33
5	Development of a C60-fullerene bonded open-tubular capillary using a photo/thermal active agent for liquid chromatographic separations by $\pi$ - $\pi$ interactions. <i>Journal of Chromatography A</i> , 2014, 1323, 174-178.	3.7	27
6	Nanocelluloses and Related Materials Applicable in Thermal Management of Electronic Devices: A Review. <i>Nanomaterials</i> , 2020, 10, 448.	4.1	27
7	Cellulose nanofiber/nanodiamond composite films: Thermal conductivity enhancement achieved by a tuned nanostructure. <i>Advanced Powder Technology</i> , 2018, 29, 972-976.	4.1	24
8	Effect of the addition of Al <sub>2</sub> O <sub>3</sub> and h-BN fillers on the thermal conductivity of a cellulose nanofiber/nanodiamond composite film. <i>Cellulose</i> , 2019, 26, 5281-5289.	4.9	23
9	Wet-jet milling-assisted exfoliation of h-BN particles with lamination structure. <i>Ceramics International</i> , 2015, 41, 10512-10519.	4.8	20
10	Improvement of thermal conductivity of composite film composed of cellulose nanofiber and nanodiamond by optimizing process parameters. <i>Cellulose</i> , 2018, 25, 3973-3983.	4.9	16
11	Development of molecularly imprinted porous polymers for selective adsorption of gaseous compounds. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 161-165.	4.4	14
12	Effect of microwave irradiation on carbon fiber/epoxy resin composite fabricated by vacuum assisted resin transfer molding. <i>Advanced Composite Materials</i> , 2016, 25, 71-79.	1.9	12
13	Improving thermal and mechanical properties of biomass-based polymers using structurally ordered polyesters from ricinoleic acid and 4-hydroxycinnamic acids. <i>RSC Advances</i> , 2020, 10, 36562-36570.	3.6	12
14	Selective Adsorption of Water-soluble Ionic Compounds by an Interval Immobilization Technique Based on Molecular Imprinting. <i>Analytical Sciences</i> , 2008, 24, 1633-1636.	1.6	11
15	Synthesis of poly(ethylene glycol)-based hydrogels and their swelling/shrinking response to molecular recognition. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3153-3158.	2.3	11
16	A facile method to prepare layered solid fillers-based polymer composites with isotropic thermal conductivity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 154, 106776.	7.6	11
17	Curing Effects on Interfacial Adhesion between Recycled Carbon Fiber and Epoxy Resin Heated by Microwave Irradiation. <i>Materials</i> , 2018, 11, 493.	2.9	10
18	Quantitative evaluation of interfacial adhesion between fiber and resin in carbon fiber/epoxy composite cured by semiconductor microwave device. <i>Composite Interfaces</i> , 2016, 23, 395-404.	2.3	9

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19	Spontaneous water cleanup using an epoxy-based polymer monolith. <i>Analytical Methods</i> , 2010, 2, 570.	2.7	8
20	Antibacterial activities effectuated by co-continuous epoxy-based polymer materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 107, 53-58.	5.0	8
21	Exfoliation of hexagonal boron nitride using wet-rotating disc milling. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 512-515.	1.1	8
22	Exfoliation of non-swelling muscovite on dodecylammonium chloride intercalation between layers using wet-jet milling. <i>Advanced Powder Technology</i> , 2017, 28, 1911-1919.	4.1	8
23	Fiber orientation and flexural properties of short carbon fiber/epoxy composites. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 125-128.	1.1	6
24	High-Throughput Dimensional Evaluation of Hexagonal Boron Nitride 2D Nanomaterials. <i>Crystal Research and Technology</i> , 2019, 54, 1800249.	1.3	6
25	Deformation capability of poly(tetrafluoroethylene) materials: Estimation with X-ray diffraction measurements. <i>Polymer Testing</i> , 2022, 113, 107690.	4.8	6
26	Tunable Molecular Sieving in Gel Electrophoresis Using a Poly(ethylene glycol)-Based Hydrogel. <i>Chromatography</i> , 2014, 35, 81-86.	1.7	5
27	Synthesis of novel polymer type sulfoxide solid phase combined with the porogen imprinting for enabling selective separation of polychlorinated biphenyls. <i>Chemosphere</i> , 2012, 89, 378-382.	8.2	4
28	Improvement of thermal and mechanical properties of carbon fiber reinforced plastic composite with exfoliated hexagonal boron nitride particles. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 808-812.	1.1	4
29	Computational prediction of microstructures in $\text{Al}_2\text{O}_3/\text{PMMA}$ composites and its experimental verification. <i>Polymer Composites</i> , 2022, 43, 339-346.	4.6	4
30	Simultaneous attainment of particle dispersion and surface modification of $\text{Al}_2\text{O}_3$ nanoparticles via wet-jet milling. <i>Journal of Composite Materials</i> , 2021, 55, 521-530.	2.4	3
31	Rapid separations by LC using ion-exchange media based on spongy monoliths. <i>Journal of Separation Science</i> , 2013, 36, 2813-2818.	2.5	2
32	Effect of resin chemical structure on the dispersibility of hexagonal boron nitride. <i>Composite Interfaces</i> , 2020, 27, 967-975.	2.3	2
33	Improvement of thermal propagation in carbon fiber/thermoplastic composite with hexagonal boron nitride powder. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 1055-1058.	1.1	1
34	Hybridization of a Macroporous Sponge and Spherical Microporous Adsorbents for High Throughput Separation of Ionic Solutes. <i>Analytical Sciences</i> , 2013, 29, 417-421.	1.6	0
35	Influence of Thermal Effusivity of Ceramic Dense Mold on Microwave-heating of Carbon Fiber Reinforced Plastic. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 532-537.	0.2	0
36	Effect of wet-rotating disc milling process for preparation of stable dispersed $\text{Al}_2\text{O}_3$ slurries and dense green bodies. <i>Materials Today: Proceedings</i> , 2019, 16, 163-172.	1.8	0

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37	Investigation on the Stability of Plasma-modified Carbon Fiber Surface and Its Improved Interfacial Adhesion in a Polypropylene Matrix. Seikei-Kakou, 2018, 30, 475-478.	0.0	0