

Shun Muroga

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

114
citations

1307366

7
h-index

1372474

10
g-index

15
all docs

15
docs citations

15
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of hydrolysis in polylactide using near-infrared hyperspectral imaging and chemometrics. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45898.	1.3	16
2	Dispersions of High-Quality Carbon Nanotubes with Narrow Aggregate Size Distributions by Viscous Liquid for Conducting Polymer Composites. <i>ACS Applied Nano Materials</i> , 2020, 3, 1391-1399.	2.4	16
3	New evaluation method for the curing degree of rubber and its nanocomposites using ATR-FTIR spectroscopy. <i>Polymer Testing</i> , 2021, 93, 106993.	2.3	16
4	Virtual experimentations by deep learning on tangible materials. <i>Communications Materials</i> , 2021, 2, .	2.9	16
5	Supercapacitor Electrodes of Blended Carbon Nanotubes with Diverse Conductive Porous Structures Enabling High Charge/Discharge Rates. <i>ACS Applied Energy Materials</i> , 2021, 4, 9712-9720.	2.5	11
6	Near-Infrared Spectroscopic Evaluation of the Water Content of Molded Polylactide under the Effect of Crystallization. <i>Applied Spectroscopy</i> , 2017, 71, 1300-1309.	1.2	10
7	Comprehensive Characterization of Structural, Electrical, and Mechanical Properties of Carbon Nanotube Yarns Produced by Various Spinning Methods. <i>Nanomaterials</i> , 2022, 12, 593.	1.9	10
8	N ₂ Gas Adsorption Sites of Single-Walled Carbon Nanotube Bundles: Identifying Interstitial Channels at Very Low Relative Pressure. <i>Langmuir</i> , 2021, 37, 9144-9150.	1.6	7
9	Novel Approaches to In-Situ ATR-FTIR Spectroscopy and Spectroscopic Imaging for Real-Time Simultaneous Monitoring Curing Reaction and Diffusion of the Curing Agent at Rubber Nanocomposite Surface. <i>Polymers</i> , 2021, 13, 2879.	2.0	4
10	FT-IR Imaging as a New Method to Evaluate the Dispersion of Additives. <i>Kobunshi Ronbunshu</i> , 2018, 75, 212-220.	0.2	3
11	Liquid Crystalline Behaviors of Single-Walled Carbon Nanotubes in an Aqueous Sodium Cholate Dispersion. <i>Langmuir</i> , 2022, 38, 8899-8905.	1.6	2
12	Near-Infrared Hyperspectral Absorption/Scattering Imaging Method Using Multiple Ground Plates for Evaluating Polymer Composites. <i>Analytical Chemistry</i> , 2019, 91, 1887-1893.	3.2	1
13	Fabrication and Characterization of Highly Tough Multi-wall CNT/PEEK Nanocomposites. <i>Seikei-Kakou</i> , 2021, 33, 438-440.	0.0	1
14	Application of Carbon Nanotubes Unravalled by Viscous Liquids. <i>Journal of the Society of Powder Technology, Japan</i> , 2020, 57, 446-448.	0.0	0