

Shuichi Akasaka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of the uniaxial orientation on the polymer/filler nanocomposites using phosphonate-modified single-walled carbon nanotube with hydro- or fluorocarbons. <i>Polymer Bulletin</i> , 2021, 78, 5503-5524.	1.7	6
2	A practically designed acoustic metamaterial sheet with two-dimensional connection of local resonators for sound insulation applications. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	12
3	Comparison of characteristics of single-walled carbon nanotubes obtained by super-growth CVD and improved-arc discharge methods pertaining to interfacial film formation and nanohybridization with polymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 615, 126221.	2.3	11
4	Study on the improvement of dispersibility and orientation control of fluorocarbon-modified single-walled carbon nanotubes in a fluorinated polymer matrix. <i>Polymer Composites</i> , 2021, 42, 4845-4859.	2.3	8
5	Formation of PLA stereocomplex crystals during melt-blending of asymmetric PLLA/PDLA/PMMA blends of varying miscibility. <i>Polymer Journal</i> , 2020, 52, 225-235.	1.3	6
6	Formation of organized films with fluorocarbon-modified inorganic nanoparticles and their nanodispersion behavior in solvent. <i>Journal of Fluorine Chemistry</i> , 2020, 230, 109433.	0.9	7
7	Formation of polylactide stereocomplex crystallites and the electrical properties of carbon black-filled PLLA/PDLA composites. <i>Polymer Journal</i> , 2020, 52, 1093-1102.	1.3	1
8	Organic solvent-free fabrication of mesoporous polymer monolith from miscible PLLA/PMMA blend. <i>Polymer</i> , 2020, 203, 122742.	1.8	4
9	Structural and acoustic properties of transparent chitosan aerogel. <i>Materials Letters</i> , 2019, 254, 258-261.	1.3	33
10	Maintenance property of layered regularity in multi-particle layers of fluorinated phosphonate-modified nanodiamond under the heating. <i>Journal of Fluorine Chemistry</i> , 2019, 222-223, 15-23.	0.9	5
11	Structure-sound absorption property relationships of electrospun thin silica fiber sheets: Quantitative analysis based on acoustic models. <i>Applied Acoustics</i> , 2019, 152, 13-20.	1.7	31
12	Phase structure and electrical and mechanical properties of PLLA/ionic conductive polyether blends prepared by melt mixing. <i>Polymer Journal</i> , 2019, 51, 649-656.	1.3	2
13	Nanodispersion of fluorinated phosphonate-modified nanodiamond in crystalline fluoropolymer matrix to achieve a transparent polymer/nanofiller hybrid. <i>Polymer Composites</i> , 2019, 40, E842.	2.3	14
14	Correlation between nanodispersion of organo-modified nanodiamond in solvent and condensed behavior of their organized particle films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 416-430.	2.3	10
15	Nanodispersion in transparent polymer matrix with high melting temperature contributing to the hybridization of heat-resistant organo-modified nanodiamond. <i>Polymer Bulletin</i> , 2018, 75, 4145-4163.	1.7	16
16	Enhancing water flux through semipermeable polybenzimidazole membranes by adding surfactant-treated CNTs. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45875.	1.3	6
17	Thermal stability of ordered multi-particle layers of long-chain phosphonate-modified nanodiamond with superior heat-resistance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 556, 227-238.	2.3	11
18	Application to Sound Absorber of Nano Fibrous Sheets. <i>Journal of Fiber Science and Technology</i> , 2018, 74, P-106-P-109.	0.0	0

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19	Elastic characterization of polymer fibers by laser Doppler vibrometry. Optics and Lasers in Engineering, 2017, 99, 88-97.	2.0	6
20	Dependency of Nanodiamond Particle Size and Outermost-Surface Composition on Organo-Modification: Evaluation by Formation of Organized Molecular Films and Nanohybridization with Organic Polymers. ACS Applied Materials & Interfaces, 2017, 9, 14379-14390.	4.0	13
21	Fundamentals of Materials Design for Vibration and Noise Control. Nippon Gomu Kyokaishi, 2016, 89, 235-240.	0.0	0
22	Toward the Creation of High Performance and High Functional Polymer Hybrid. Journal of Fiber Science and Technology, 2016, 72, P-341-P-342.	0.0	0
23	The Role of Modifying Molecular Chains in the Formation of Organized Molecular Films of Organo-Modified Nanodiamond: Construction of a Highly Ordered Low Defect Particle Layer and Evaluation of Desorption Behavior of Organic Chains. Langmuir, 2015, 31, 2895-2904.	1.6	32
24	Quantitative analysis of the phase-separated structure and mechanical properties of acrylic copolymer/epoxy thermosetting resin composites. Polymer Journal, 2015, 47, 779-788.	1.3	4
25	Fabrication of Transparent Nanohybrids with Heat Resistance Using High-Density Amorphous Formation and Uniform Dispersion of Nanodiamond. ACS Applied Materials & Interfaces, 2015, 7, 17792-17801.	4.0	20
26	Formation and structure of fine multi-particle layered organo-modified zirconium dioxides fabricated by Langmuir-Blodgett technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 446, 109-117.	2.3	22
27	Mono-"particle" Dispersion of Organo-modified Nanodiamond in Fluoropolymer Matrix of Crystalline Transparent Films of Semifluorinated Polymer / Filler Nanocomposite. Transactions of the Materials Research Society of Japan, 2014, 39, 231-234.	0.2	1
28	Researches on Developing a New Type of Sound Absorbing Material. Journal of Fiber Science and Technology, 2012, 68, P_334-P_337.	0.0	0
29	A Report of Lecture Meeting of Strategic Research Committee for Nanofiber Technology, 2011. Journal of Fiber Science and Technology, 2012, 68, P.38-P.39.	0.0	0
30	Utilization of polymer degradation to modify electrical properties of poly(l-lactide)/poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	3.8	12
31	Sound Absorbing Characteristics and Prediction Model of Various Sound Absorber. Seikei-Kakou, 2010, 22, 550-555.	0.0	0
32	Crystalline Structure and Morphology of Poly(l-lactide) Formed under High-Pressure CO ₂ . Macromolecules, 2008, 41, 9192-9203.	2.2	140
33	Analysis on Standing Wave Phenomena of Rubber Coated Roll. Nippon Gomu Kyokaishi, 2008, 81, 329-333.	0.0	0
34	Low-frequency sound absorption of organic hybrid comprised of chlorinated polyethylene and N,N'-dicyclohexyl-2-benzothiazolyl sulfenamide. Journal of Applied Polymer Science, 2006, 99, 2878-2884.	1.3	0
35	Viscoelasticity and morphology of an organic hybrid of chlorinated polyethylene and N,N'-dicyclohexyl-2-benzothiazolyl sulfenamide. Composite Interfaces, 2005, 12, 637-653.	1.3	2
36	Structural Studies of Biodegradable Polymer and Fractal. (Part 3). Fractal and Degradation Process of Biodegradable Polyester Blends.. Journal of Fiber Science and Technology, 1998, 54, 277-284.	0.0	9