

# Shuichi Akasaka

## List of Publications by Year in descending order

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36  
papers

444  
citations

840119

11  
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713013

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36  
docs citations

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times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline Structure and Morphology of Poly(l-lactide) Formed under High-Pressure CO <sub>2</sub> . <i>Macromolecules</i> , 2008, 41, 9192-9203.	2.2	140
2	Structural and acoustic properties of transparent chitosan aerogel. <i>Materials Letters</i> , 2019, 254, 258-261.	1.3	33
3	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. <i>Langmuir</i> , 2015, 31, 2895-2904.	1.6	32
4	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
5	Formation and structure of fine multi-particle layered organo-modified zirconium dioxides fabricated by Langmuir-Blodgett technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 446, 109-117.	2.3	22
6	Fabrication of Transparent Nanohybrids with Heat Resistance Using High-Density Amorphous Formation and Uniform Dispersion of Nanodiamond. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17792-17801.	4.0	20
7	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
8	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
9	Dependency of Nanodiamond Particle Size and Outermost-Surface Composition on Organo-Modification: Evaluation by Formation of Organized Molecular Films and Nanohybridization with Organic Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14379-14390.	4.0	13
10	Utilization of polymer degradation to modify electrical properties of poly(l-lactide)/poly(methyl methacrylate) nanocomposites. <i>Polymer Degradation and Stability</i> , 2019, 165, 107-115.	3.8	12
11	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
12	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
13	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
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	Structural Studies of Biodegradable Polymer and Fractal. (Part 3). Fractal and Degradation Process of Biodegradable Polyester Blends.. <i>Journal of Fiber Science and Technology</i> , 1998, 54, 277-284.	0.0	9
16	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
17	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
18	Elastic characterization of polymer fibers by laser Doppler vibrometry. <i>Optics and Lasers in Engineering</i> , 2017, 99, 88-97.	2.0	6

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19	Enhancing water flux through semipermeable polybenzimidazole membranes by adding surfactant-treated CNTs. Journal of Applied Polymer Science, 2018, 135, 45875.	1.3	6
20	Formation of PLA stereocomplex crystals during melt-blending of asymmetric PLLA/PDLA/PMMA blends of varying miscibility. Polymer Journal, 2020, 52, 225-235.	1.3	6
21	Effect of the uniaxial orientation on the polymer/filler nanocomposites using phosphonate-modified single-walled carbon nanotube with hydro- or fluorocarbons. Polymer Bulletin, 2021, 78, 5503-5524.	1.7	6
22	Maintenance property of layered regularity in multi-particle layers of fluorinated phosphonate-modified nanodiamond under the heating. Journal of Fluorine Chemistry, 2019, 222-223, 15-23.	0.9	5
23	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
24	Organic solvent-free fabrication of mesoporous polymer monolith from miscible PLLA/PMMA blend. Polymer, 2020, 203, 122742.	1.8	4
25	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
26	Phase structure and electrical and mechanical properties of PLLA/ionic conductive polyether blends prepared by melt mixing. Polymer Journal, 2019, 51, 649-656.	1.3	2
27	Formation of polylactide stereocomplex crystallites and the electrical properties of carbon black-filled PLLA/PDLA composites. Polymer Journal, 2020, 52, 1093-1102.	1.3	1
28	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
29	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
30	Analysis on Standing Wave Phenomena of Rubber Coated Roll. Nippon Gomu Kyokaishi, 2008, 81, 329-333.	0.0	0
31	Fundamentals of Materials Design for Vibration and Noise Control. Nippon Gomu Kyokaishi, 2016, 89, 235-240.	0.0	0
32	Sound Absorbing Characteristics and Prediction Model of Various Sound Absorber. Seikei-Kakou, 2010, 22, 550-555.	0.0	0
33	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
34	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
35	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
36	Application to Sound Absorber of Nano Fibrous Sheets. Journal of Fiber Science and Technology, 2018, 74, P-106-P-109.	0.0	0