

Aki Sugahara

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

110
citations

1478280
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1588896
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all docs

8
docs citations

8
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into interfacial compatibilization of glass-fiber-reinforced polypropylene (PP) using maleic-anhydride modified PP employing infrared spectroscopic imaging. <i>Composites Science and Technology</i> , 2020, 199, 108379.	3.8	30
2	Polypropylene-Based Nanocomposite with Enhanced Aging Stability by Surface Grafting of Silica Nanofillers with a Silane Coupling Agent Containing an Antioxidant. <i>ACS Omega</i> , 2020, 5, 12431-12439.	1.6	20
3	Study of matrix-filler interaction of polypropylene/silica composite by combined infrared (IR) spectroscopic imaging and disrelation mapping. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 128, 105658.	3.8	18
4	Molecular-Scale Deformation of Polypropylene/Silica Composites Probed by Rheo-Optical Fourier-Transform Infrared (FTIR) Imaging Analysis Combined with Disrelation Mapping. <i>Analytical Chemistry</i> , 2020, 92, 12160-12167.	3.2	17
5	Fourier Transform Infrared Imaging Analysis of Interactions Between Polypropylene Grafted with Maleic Anhydride and Silica Spheres Using Two-Trace Two-Dimensional Correlation Mapping. <i>Applied Spectroscopy</i> , 2021, 75, 947-956.	1.2	8
6	<i>In Situ</i> Fourier Transform Infrared Spectroscopic Imaging for Elucidating Variations in Chemical Structures of Polymer Composites at the Matrix-Filler Interface during Reactive Processing. <i>Macromolecules</i> , 2020, 53, 10711-10717.	2.2	7
7	Three-way evolved gas analysis-mass spectrometry combined with principal component analysis (EGA-MS-PCA) to probe interfacial states between matrix and filler in poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) nanocomposites. <i>Polymer Testing</i> , 2021, 101, 107300.	2.3	5
8	Molecular-scale deformation of glass-fiber-reinforced polypropylene probed by rheo-optical Fourier transform infrared imaging combined with a two-trace two-dimensional correlation technique. <i>Polymer</i> , 2022, 241, 124536.	1.8	5