

Tae Ann Kim

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,300
citations

623188

14
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

1927
citing authors

#	ARTICLE	IF	CITATIONS
1	Malleable and Recyclable Poly(urea-urethane) Thermosets bearing Hindered Urea Bonds. <i>Advanced Materials</i> , 2016, 28, 7646-7651.	11.1	318
2	Engineering the shape and structure of materials by fractal cut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17390-17395.	3.3	265
3	Regioisomer-Specific Mechanochromism of Naphthopyran in Polymeric Materials. <i>Journal of the American Chemical Society</i> , 2016, 138, 12328-12331.	6.6	163
4	Single-walled carbon nanotube/silicone rubber composites for compliant electrodes. <i>Carbon</i> , 2012, 50, 444-449.	5.4	116
5	Mechanical Reactivity of Two Different Spiropyran Mechanophores in Polydimethylsiloxane. <i>Macromolecules</i> , 2018, 51, 9177-9183.	2.2	110
6	Highly improved interfacial affinity in carbon fiber-reinforced polymer composites via oxygen and nitrogen plasma-assisted mechanochemistry. <i>Composites Part B: Engineering</i> , 2019, 165, 725-732.	5.9	54
7	Floating compression of Ag nanowire networks for effective strain release of stretchable transparent electrodes. <i>Nanoscale</i> , 2015, 7, 16434-16441.	2.8	42
8	Effect of Mechanical Stress on Spiropyran-Merocyanine Reaction Kinetics in a Thermoplastic Polymer. <i>ACS Macro Letters</i> , 2016, 5, 1312-1316.	2.3	39
9	Preparation of graphene nanosheets through repeated supercritical carbon dioxide process. <i>Materials Letters</i> , 2012, 89, 343-346.	1.3	32
10	Acid-treated SWCNT/polyurethane nanoweb as a stretchable and transparent Conductor. <i>RSC Advances</i> , 2012, 2, 10717.	1.7	29
11	Synthesis of Nonfluorinated Amphiphilic Rod-Coil Block Copolymer and Its Application to Proton Exchange Membrane. <i>Chemistry of Materials</i> , 2010, 22, 3646-3652.	3.2	26
12	Interfacial Force-Focusing Effect in Mechanophore-Linked Nanocomposites. <i>Advanced Science</i> , 2020, 7, 1903464.	5.6	24
13	Solvent-free encapsulation of curing agents for high performing one-component epoxy adhesives. <i>Composites Part B: Engineering</i> , 2020, 202, 108438.	5.9	19
14	High-performance polyketone nanocomposites achieved via plasma-assisted mechanochemistry. <i>Composites Science and Technology</i> , 2019, 183, 107800.	3.8	17
15	Force-Modulated Equilibria of Mechanophore-Metal Coordinate Bonds. <i>Chemistry of Materials</i> , 2020, 32, 3869-3878.	3.2	12
16	A new method to estimate thermal conductivity of polymer composite using characteristics of fillers. <i>Journal of Applied Polymer Science</i> , 2013, 129, 965-972.	1.3	11
17	Enhanced electrical conductivity of polymer microspheres by altering assembly sequence of two different shaped conductive fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 149, 106562.	3.8	10
18	Thermally stable and highly recyclable carbon fiber-reinforced polyketone composites based on mechanochemical bond formation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 142, 106251.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Highly aligned and porous reduced graphene oxide structures and their application for stretchable conductors. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 385-391.	2.9	2
20	Carbon fiber-reinforced polyamide composites with efficient stress transfer via plasma-assisted mechanochemistry. <i>Composites Part C: Open Access</i> , 2021, 6, 100209.	1.5	2
21	Mechanophoreâ€Functionalized Nanoparticles: Interfacial Forceâ€Focusing Effect in Mechanophoreâ€Linked Nanocomposites (<i>Adv. Sci.</i> 7/2020). <i>Advanced Science</i> , 2020, 7, 2070037.	5.6	0