

Taeseon Hwang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

832
citations

623188

14
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	High thermal conductivity epoxy composites with bimodal distribution of aluminum nitride and boron nitride fillers. <i>Thermochimica Acta</i> , 2012, 537, 70-75.	1.2	170
2	Large-Area, Conductive and Flexible Reduced Graphene Oxide (RGO) Membrane Fabricated by Electrophoretic Deposition (EPD). <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1747-1753.	4.0	100
3	Solution-Processed Graphite Membrane from Reassembled Graphene Oxide. <i>Chemistry of Materials</i> , 2012, 24, 594-599.	3.2	85
4	Ultrafiltration using graphene oxide surface-embedded polysulfone membranes. <i>Separation and Purification Technology</i> , 2016, 166, 41-47.	3.9	66
5	An interleaved porous laminate composed of reduced graphene oxide sheets and carbon black spacers by in situ electrophoretic deposition. <i>RSC Advances</i> , 2014, 4, 3284-3292.	1.7	47
6	Mechanical properties and cytotoxicity of PLA/PCL films. <i>Biomedical Engineering Letters</i> , 2018, 8, 267-272.	2.1	46
7	High-performance polyvinyl chloride gel artificial muscle actuator with graphene oxide and plasticizer. <i>Scientific Reports</i> , 2019, 9, 9658.	1.6	43
8	Dropwise steam condensation on various hydrophobic surfaces: Polyphenylene sulfide (PPS), polytetrafluoroethylene (PTFE), and self-assembled micro/nano silver (SAMS). <i>International Journal of Heat and Mass Transfer</i> , 2015, 89, 353-358.	2.5	38
9	Synthesis and barrier properties of poly(vinylidene chloride-co-acrylonitrile)/SiO ₂ hybrid composites by sol-gel process. <i>Journal of Membrane Science</i> , 2009, 345, 90-96.	4.1	36
10	Supercapacitor characteristics of pressurized RuO ₂ /carbon powder as binder-free electrodes. <i>RSC Advances</i> , 2014, 4, 48276-48284.	1.7	26
11	One-step metal electroplating and patterning on a plastic substrate using an electrically-conductive layer of few-layer graphene. <i>Carbon</i> , 2012, 50, 612-621.	5.4	21
12	A new ionic polymer-metal composite based on Nafion/poly(vinyl alcohol-co-ethylene) blends. <i>Smart Materials and Structures</i> , 2015, 24, 105011.	1.8	21
13	Promising Developments in Marine Applications With Artificial Muscles: Electrodeless Artificial Cilia Microfibers. <i>Marine Technology Society Journal</i> , 2016, 50, 24-34.	0.3	20
14	Experimentally tuned dual stage hydrogen compressor for improved compression ratio. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 12924-12933.	3.8	18
15	Electromechanical performance and other characteristics of IPMCs fabricated with various commercially available ion exchange membranes. <i>Smart Materials and Structures</i> , 2014, 23, 074001.	1.8	16
16	Bioinspired travelling wave generation in soft-robotics using ionic polymer-metal composites. <i>International Journal of Intelligent Robotics and Applications</i> , 2017, 1, 167-179.	1.6	14
17	A novel synthetic route to natural rubber/montmorillonite nanocomposites using colloid stabilization-destabilization method. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 1826-1832.	3.8	13
18	Chemically-modified graphene sheets as an active layer for eco-friendly metal electroplating on plastic substrates. <i>Thin Solid Films</i> , 2012, 521, 270-274.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Synchronous Polymerization of 3,4-Ethylenedioxythiophene and Pyrrole by Plasma Enhanced Chemical Vapor Deposition (PECVD) for Conductive Thin Film with Tunable Energy Bandgap. <i>Macromolecular Research</i> , 2019, 27, 243-249.	1.0	10
20	Understanding the Thermal Properties of Precursor-Ionomers to Optimize Fabrication Processes for Ionic Polymer-Metal Composites (IPMCs). <i>Materials</i> , 2018, 11, 665.	1.3	8
21	Formation of a gold nanoparticle layer for the electrodes of ionic polymer-metal composites by electroless deposition process. <i>Applied Surface Science</i> , 2019, 470, 8-12.	3.1	8
22	Noncovalently assembled nanotubular porous layers for delaying of heating surface failure. <i>Scientific Reports</i> , 2014, 4, 6817.	1.6	7
23	High-performance heat-sink composites incorporating micron-sized inorganic fillers and Sn/In metal particles. <i>Polymer Engineering and Science</i> , 2012, 52, 2435-2442.	1.5	5
24	Solution processed SiN _x CyO _z thin films thermally transformed from silicon oxide/melamine hybrid system. <i>Thin Solid Films</i> , 2013, 539, 294-302.	0.8	1
25	Numerical and experimental investigation of a biomimetic robotic jellyfish actuated by Ionic Polymer-Metal Composite. , 2016, , .		1