Sang-Eui Lee

List of Publications by Year
in descending order

28 papers	1,228 citations	516710 16 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1501 citing authors

#	Article	IF	Citations
1	Highly Effective Electromagnetic Interference Shielding Materials based on Silver Nanowire/Cellulose Papers. ACS Applied Materials & Interfaces, 2016, 8, 13123-13132.	8.0	241
2	Fabrication and design of multi-layered radar absorbing structures of MWNT-filled glass/epoxy plain-weave composites. Composite Structures, 2006, 76, 397-405.	5.8	153
3	Carbon nanotube/cellulose papers with high performance in electric heating and electromagnetic interference shielding. Composites Science and Technology, 2016, 131, 77-87.	7.8	126
4	Application of MWNT-added glass fabric/epoxy composites to electromagnetic wave shielding enclosures. Composite Structures, 2007, 81, 401-406.	5.8	103
5	Silver nanowire/carbon nanotube/cellulose hybrid papers for electrically conductive and electromagnetic interference shielding elements. Composites Science and Technology, 2017, 150, 45-53.	7.8	83
6	Broadband all fiber-reinforced composite radar absorbing structure integrated by inductive frequency selective carbon fiber fabric and carbon-nanotube-loaded glass fabrics. Carbon, 2016, 107, 564-572.	10.3	75
7	Microwave properties of graphite nanoplatelet/epoxy composites. Journal of Applied Physics, 2008, 104, .	2.5	64
8	The use of carbon/dielectric fiber woven fabrics as filters for electromagnetic radiation. Carbon, 2009, 47, 1896-1904.	10.3	58
9	Electrically conductive and strong cellulose-based composite fibers reinforced with multiwalled carbon nanotube containing multiple hydrogen bonding moiety. Composites Science and Technology, 2016, 123, 57-64.	7.8	51
10	Mechanically Robust Magnetic Carbon Nanotube Papers Prepared with CoFe₂O₄ Nanoparticles for Electromagnetic Interference Shielding and Magnetomechanical Actuation. ACS Applied Materials & Interfaces, 2017, 9, 40628-40637.	8.0	41
11	Gradient 3D-printed honeycomb structure polymer coated with a composite consisting of Fe3O4 multi-granular nanoclusters and multi-walled carbon nanotubes for electromagnetic wave absorption. Synthetic Metals, 2021, 275, 116731.	3.9	28
12	Effect of Dispersion by Three-Roll Milling on Electrical Properties and Filler Length of Carbon Nanotube Composites. Materials, 2019, 12, 3823.	2.9	27
13	Flexible Nanoporous Silver Membranes with Unprecedented High Effectiveness for Electromagnetic Interference Shielding. Journal of Industrial and Engineering Chemistry, 2021, 93, 245-252.	5.8	24
14	Suppression of negative temperature coefficient of resistance of multiwalled nanotube/silicone rubber composite through segregated conductive network and its application to laser-printing fusing element. Organic Electronics, 2016, 37, 371-378.	2.6	22
15	Mechanical Properties of MWNT-Loaded Plain-Weave Glass/Epoxy Composites. Advanced Composite Materials, 2009, 18, 209-219.	1.9	21
16	Fabrication of flexible magnetic papers based on bacterial cellulose and barium hexaferrite with improved mechanical properties. Electronic Materials Letters, 2016, 12, 574-579.	2.2	19
17	Enhanced dispersion and material properties of multi-walled carbon nanotube composites through turbulent Taylor-Couette flow. Composites Part A: Applied Science and Manufacturing, 2017, 95, 118-124.	7.6	17
18	Prediction of the thermal conductivities of four-axial non-woven composites. Composite Structures, 2009, 89, 262-269.	5.8	16

#	Article	IF	Citations
19	Large reduction in electrical contact resistance of flexible carbon nanotube/silicone rubber composites by trifluoroacetic acid treatment. Composites Science and Technology, 2017, 143, 98-105.	7.8	14
20	Recent Advances in Two-Phase Immersion Cooling with Surface Modifications for Thermal Management. Energies, 2022, 15, 1214.	3.1	9
21	Prediction of mechanical behavior of spatially reinforced composites for kick motor nozzle. Composite Structures, 2001, 54, 57-65.	5.8	8
22	Carbon Nanotube Nanocomposite Having Segregated Network Structure for Wearable Thermotherapy Application. IEEE Electron Device Letters, 2017, 38, 1489-1491.	3.9	5
23	Seamless Tube-Type Heater with Uniform Thickness and Temperature Distribution Based on Carbon Nanotubes Aligned by Circumferential Shearing. Materials, 2019, 12, 3283.	2.9	5
24	Mechanistic Pathways for the Molecular Step Growth of Calcium Oxalate Monohydrate Crystal Revealed by In Situ Liquid-Phase Atomic Force Microscopy. ACS Applied Materials & Interfaces, 2021, 13, 37873-37882.	8.0	5
25	Advanced catalyst design induced enhancement of multi-walled nanotube debundling and electrical conductivity of multi-walled nanotube/silicone composites. RSC Advances, 2016, 6, 48120-48128.	3.6	4
26	Multiple Impact Damage in GLARE Laminates: Experiments and Simulations. Materials, 2021, 14, 7800.	2.9	4
27	Flexible Magnetic Polymer Composite Substrate with Ba1.5Sr1.5Z Hexaferrite Particles of VHF/Low UHF Patch Antennas for UAVs and Medical Implant Devices. Materials, 2020, 13, 1021.	2.9	3
28	Double-segregated multiwalled carbon nanotube/silicone composites with large electrical to thermal conductivity ratios via in-situ silicone emulsion polymerization. Journal of Composite Materials, 2020, 54, 3447-3456.	2.4	2