

Jinwoo Oh

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

888
citations

567281

15
h-index

677142

22
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all docs

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23
times ranked

1604
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of bottom-up graphene oxide using citric acid and tannic acid, and its application as a filler for polypropylene nanocomposites. RSC Advances, 2021, 11, 7663-7671.	3.6	5
2	3D Quantitative Light-intensity Dispersion Index of Polymer Nanocomposites Based on Optical Microscopy. Fibers and Polymers, 2021, 22, 764-771.	2.1	0
3	Shear-Rolling Process for Unidirectionally and Perpendicularly Oriented Sub-10-nm Block Copolymer Patterns on the 4 in Scale. ACS Nano, 2021, 15, 8549-8558.	14.6	16
4	Chiral Plasmonic Nanowaves by Tilted Assembly of Unidirectionally Aligned Block Copolymers with Buckling-Induced Microwrinkles. ACS Nano, 2021, 15, 17463-17471.	14.6	10
5	Improved electrical performance and transparency of bottom-gate, bottom-contact single-walled carbon nanotube transistors using graphene source/drain electrodes. Journal of Industrial and Engineering Chemistry, 2020, 81, 488-495.	5.8	8
6	Buckling Instability Control of 1D Nanowire Networks for a Large Area Stretchable and Transparent Electrode. Advanced Functional Materials, 2020, 30, 1910214.	14.9	42
7	Stretchable Lithium-Ion Battery Based on Re-entrant Micro-honeycomb Electrodes and Cross-Linked Gel Electrolyte. ACS Nano, 2020, 14, 3660-3668.	14.6	74
8	Novel hybrid binder mixture tailored to enhance the electrochemical performance of SbTe bi-metallic anode for sodium ion batteries. Journal of Electroanalytical Chemistry, 2020, 865, 114160.	3.8	7
9	Universal perpendicular orientation of block copolymer microdomains using a filtered plasma. Nature Communications, 2019, 10, 2912.	12.8	41
10	Fabrication of a MoS ₂ /Graphene Nanoribbon Heterojunction Network for Improved Thermoelectric Properties. Advanced Materials Interfaces, 2019, 6, 1901333.	3.7	26
11	Enhancing the Electrochemical Performance of SbTe Bimetallic Anodes for High-Performance Sodium-Ion Batteries: Roles of the Binder and Carbon Support Matrix. Nanomaterials, 2019, 9, 1134.	4.1	13
12	Stretchable Conductive Adhesives with Superior Electrical Stability as Printable Interconnects in Washable Textile Electronics. ACS Applied Materials & Interfaces, 2019, 11, 37043-37050.	8.0	35
13	Improvement in mechanical and thermal properties of polypropylene nanocomposites using an extremely small amount of alkyl chain-grafted hexagonal boron nitride nanosheets. Polymer, 2019, 180, 121714.	3.8	28
14	Multiple Transfer of Layer-by-Layer Nanofunctional Films by Adhesion Controls. ACS Applied Materials & Interfaces, 2019, 11, 48476-48486.	8.0	4
15	2D reentrant micro-honeycomb structure of graphene-CNT in polyurethane: High stretchability, superior electrical/thermal conductivity, and improved shape memory properties. Composites Part B: Engineering, 2019, 162, 580-588.	12.0	52
16	Strategic Design of Highly Concentrated Electrolyte Solutions for Mg ²⁺ /Li ⁺ Dual-Salt Hybrid Batteries. Journal of Physical Chemistry C, 2018, 122, 27866-27874.	3.1	8
17	Coaxial struts and microfractured structures of compressible thermoelectric foams for self-powered pressure sensors. Nanoscale, 2018, 10, 18370-18377.	5.6	23
18	Dispersion of graphene-based nanocarbon fillers in polyamide 66 by dry processing and its effect on mechanical properties. Composites Part B: Engineering, 2017, 114, 445-456.	12.0	39

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19	Significantly reduced thermal conductivity and enhanced thermoelectric properties of single- and bi-layer graphene nanomeshes with sub-10 nm neck-width. <i>Nano Energy</i> , 2017, 35, 26-35.	16.0	90
20	Highly Ordered Nanoconfinement Effect from Evaporation-Induced Self-Assembly of Block Copolymers on In Situ Polymerized PEDOT:Tos. <i>ACS Macro Letters</i> , 2017, 6, 386-392.	4.8	19
21	Flexible and Robust Thermoelectric Generators Based on All-Carbon Nanotube Yarn without Metal Electrodes. <i>ACS Nano</i> , 2017, 11, 7608-7614.	14.6	191
22	Effect of antioxidant grafted graphene oxides on the mechanical and thermal properties of polyketone composites. <i>European Polymer Journal</i> , 2015, 69, 156-167.	5.4	47
23	Nitrogen-Doped Graphene Nanosheets from Bulk Graphite using Microwave Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6361-6368.	8.0	110