

Jinwoo Oh

List of Publications by Year in descending order

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papers

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567281

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23
times ranked

1604
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and Robust Thermoelectric Generators Based on All-Carbon Nanotube Yarn without Metal Electrodes. ACS Nano, 2017, 11, 7608-7614.	14.6	191
2	Nitrogen-Doped Graphene Nanosheets from Bulk Graphite using Microwave Irradiation. ACS Applied Materials & Interfaces, 2014, 6, 6361-6368.	8.0	110
3	Significantly reduced thermal conductivity and enhanced thermoelectric properties of single- and bi-layer graphene nanomeshes with sub-10 nm neck-width. Nano Energy, 2017, 35, 26-35.	16.0	90
4	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
5	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
6	Effect of antioxidant grafted graphene oxides on the mechanical and thermal properties of polyketone composites. European Polymer Journal, 2015, 69, 156-167.	5.4	47
7	Buckling Instability Control of 1D Nanowire Networks for a Large Area Stretchable and Transparent Electrode. Advanced Functional Materials, 2020, 30, 1910214.	14.9	42
8	Universal perpendicular orientation of block copolymer microdomains using a filtered plasma. Nature Communications, 2019, 10, 2912.	12.8	41
9	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
10	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
11	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
12	Fabrication of a MoS ₂ /Graphene Nanoribbon Heterojunction Network for Improved Thermoelectric Properties. Advanced Materials Interfaces, 2019, 6, 1901333.	3.7	26
13	Coaxial struts and microfractured structures of compressible thermoelectric foams for self-powered pressure sensors. Nanoscale, 2018, 10, 18370-18377.	5.6	23
14	Highly Ordered Nanoconfinement Effect from Evaporation-Induced Self-Assembly of Block Copolymers on In Situ Polymerized PEDOT:Tos. ACS Macro Letters, 2017, 6, 386-392.	4.8	19
15	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
16	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
17	Chiral Plasmonic Nanowaves by Tilted Assembly of Unidirectionally Aligned Block Copolymers with Buckling-Induced Microwrinkles. ACS Nano, 2021, 15, 17463-17471.	14.6	10
18	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

#	ARTICLE	IF	CITATIONS
19	Improved electrical performance and transparency of bottom-gate, bottom-contact single-walled carbon nanotube transistors using graphene source/drain electrodes. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 488-495.	5.8	8
20	Novel hybrid binder mixture tailored to enhance the electrochemical performance of SbTe bi-metallic anode for sodium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 865, 114160.	3.8	7
21	Preparation of bottom-up graphene oxide using citric acid and tannic acid, and its application as a filler for polypropylene nanocomposites. <i>RSC Advances</i> , 2021, 11, 7663-7671.	3.6	5
22	Multiple Transfer of Layer-by-Layer Nanofunctional Films by Adhesion Controls. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48476-48486.	8.0	4
23	3D Quantitative Light-intensity Dispersion Index of Polymer Nanocomposites Based on Optical Microscopy. <i>Fibers and Polymers</i> , 2021, 22, 764-771.	2.1	0