

Hyung Woo Lee

List of Publications by Year in descending order

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17
papers

867
citations

840119

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887659

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1647
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#	ARTICLE	IF	CITATIONS
1	Highly Stretchable, Hysteresis-Free Ionic Liquid-Based Strain Sensor for Precise Human Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1770-1780.	4.0	331
2	Highly stretchable conductors and piezocapacitive strain gauges based on simple contact-transfer patterning of carbon nanotube forests. <i>Carbon</i> , 2014, 80, 396-404.	5.4	143
3	Wearable Resistive Pressure Sensor Based on Highly Flexible Carbon Composite Conductors with Irregular Surface Morphology. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17499-17507.	4.0	139
4	Enhancement of linearity range of stretchable ultrasensitive metal crack strain sensor <i>via</i> superaligned carbon nanotube-based strain engineering. <i>Materials Horizons</i> , 2020, 7, 2662-2672.	6.4	54
5	Transparent, Flexible Heater Based on Hybrid 2D Platform of Graphene and Dry-Spun Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16223-16232.	4.0	43
6	Stable hierarchical superhydrophobic surfaces based on vertically aligned carbon nanotube forests modified with conformal silicone coating. <i>Carbon</i> , 2014, 79, 442-449.	5.4	27
7	Pt-free, cost-effective and efficient counter electrode with carbon nanotube yarn for solid-state fiber dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2021, 185, 108855.	2.0	27
8	Elastomer-Infiltrated Vertically Aligned Carbon Nanotube Film-Based Wavy-Configured Stretchable Conductors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12909-12914.	4.0	25
9	Al-Coated Conductive Fiber Filters for High-Efficiency Electrostatic Filtration: Effects of Electrical and Fiber Structural Properties. <i>Scientific Reports</i> , 2018, 8, 5747.	1.6	21
10	Printable Free-Standing Hybrid Graphene/Dry-Spun Carbon Nanotube Films as Multifunctional Electrodes for Highly Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54806-54814.	4.0	18
11	Highly efficient and stable solid-state fiber dye-sensitized solar cells with Ag-decorated SiO ₂ nanoparticles. <i>Nano Research</i> , 2021, 14, 2728-2734.	5.8	14
12	Multimodal Gas Sensor Detecting Hydroxyl Groups with Phase Transition Based on Eco-Friendly Lead-Free Metal Halides. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
13	Enhanced light harvesting in dye-sensitized solar cells enabled by TiO ₂ :Er ³⁺ , Yb ³⁺ upconversion phosphor particles as solar spectral converter and light scattering medium. <i>International Journal of Energy Research</i> , 2021, 45, 16339-16348.	2.2	5
14	Efficient Cathode Interfacial Materials Based on Triazine/Phosphine Oxide for Conventional and Inverted Organic Solar Cells. <i>Macromolecular Research</i> , 2020, 28, 727-732.	1.0	4
15	Efficient and Stable Fiber Dye-Sensitized Solar Cells Based on Solid-State Li-TFSI Electrolytes with 4-Oxo-TEMPO Derivatives. <i>Nanomaterials</i> , 2022, 12, 2309.	1.9	4
16	Improved Light Harvesting of Fiber-Shaped Dye-Sensitized Solar Cells by Using a Bacteriophage Doping Method. <i>Nanomaterials</i> , 2021, 11, 3421.	1.9	3
17	Multimodal Gas Sensor Detecting Hydroxyl Groups with Phase Transition Based on Eco-Friendly Lead-Free Metal Halides (Adv. Funct. Mater. 28/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	1