

Hong Seok Jo

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,523
citations

318942

23
h-index

355658

38
g-index

38
all docs

38
docs citations

38
times ranked

2267
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Wearable multifunctional soft sensor and contactless 3D scanner using supersonically sprayed silver nanowires, carbon nanotubes, zinc oxide, and PEDOT:PSS. <i>NPG Asia Materials</i> , 2022, 14, . | 3.8 | 14 |
| 2 | Sustainable Nanotextured Wave Energy Harvester Based on Ferroelectric Fatigue-Free and Flexoelectricity-Enhanced Piezoelectric P(VDF-TrFE) Nanofibers with BaSrTiO ₃ Nanoparticles. <i>Advanced Functional Materials</i> , 2020, 30, 2001150. | 7.8 | 47 |
| 3 | Transparent Body-Attachable Multifunctional Pressure, Thermal, and Proximity Sensor and Heater. <i>Scientific Reports</i> , 2020, 10, 2701. | 1.6 | 28 |
| 4 | Wearable, Stretchable, Transparent All-in-One Soft Sensor Formed from Supersonically Sprayed Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40232-40242. | 4.0 | 62 |
| 5 | Enhanced electrical conductivity of transparent electrode using metal microfiber networks for gridless thin-film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109998. | 3.0 | 8 |
| 6 | Nano-textured surfaces using hybrid micro- and nano-materials for efficient water cooling. <i>International Journal of Heat and Mass Transfer</i> , 2018, 123, 1120-1127. | 2.5 | 8 |
| 7 | Modifying capillary pressure and boiling regime of micro-porous wicks textured with graphene oxide. <i>Applied Thermal Engineering</i> , 2018, 128, 1605-1610. | 3.0 | 26 |
| 8 | Oxidation-resistant metallized nanofibers as transparent conducting films and heaters. <i>Acta Materialia</i> , 2018, 143, 174-180. | 3.8 | 29 |
| 9 | Wearable transparent thermal sensors and heaters based on metal-plated fibers and nanowires. <i>Nanoscale</i> , 2018, 10, 19825-19834. | 2.8 | 40 |
| 10 | Hierarchically designed ZIF-8-derived Ni@ZnO/carbon nanofiber freestanding composite for stable Li storage. <i>Chemical Engineering Journal</i> , 2018, 351, 127-134. | 6.6 | 56 |
| 11 | Supersonically spray-coated copper meshes as textured surfaces for pool boiling. <i>International Journal of Thermal Sciences</i> , 2018, 132, 26-33. | 2.6 | 32 |
| 12 | Decoration of MnO Nanocrystals on Flexible Freestanding Carbon Nanofibers for Lithium Ion Battery Anodes. <i>Electrochimica Acta</i> , 2017, 231, 582-589. | 2.6 | 53 |
| 13 | Highly flexible, stretchable, patternable, transparent copper fiber heater on a complex 3D surface. <i>NPG Asia Materials</i> , 2017, 9, e347-e347. | 3.8 | 113 |
| 14 | Facile processes for producing robust, transparent, conductive platinum nanofiber mats. <i>Nanoscale</i> , 2017, 9, 6076-6084. | 2.8 | 19 |
| 15 | A comprehensive review on wettability, desalination, and purification using graphene-based materials at water interfaces. <i>Catalysis Today</i> , 2017, 295, 14-25. | 2.2 | 55 |
| 16 | High-performance supercapacitors using flexible and freestanding MnOx/carbamide carbon nanofibers. <i>Applied Surface Science</i> , 2017, 423, 210-218. | 3.1 | 26 |
| 17 | Effects of capillarity on pool boiling using nano-textured surfaces through electrosprayed BiVO ₄ nano-pillars. <i>Chemical Engineering Science</i> , 2017, 171, 360-367. | 1.9 | 23 |
| 18 | Supersonically sprayed, triangular copper lines for pool boiling enhancement. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 210-216. | 2.5 | 15 |

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|----|--|------|-----------|
| 19 | Carbon Nanofibers Loaded with Carbon Nanotubes and Iron Oxide as Flexible Freestanding Lithium-Ion Battery Anodes. <i>Electrochimica Acta</i> , 2017, 253, 479-488. | 2.6 | 27 |
| 20 | Flexible and freestanding core-shell SnO ₂ /carbon nanofiber mats for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 728, 1362-1371. | 2.8 | 29 |
| 21 | Thermally driven self-healing using copper nanofiber heater. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 9 |
| 22 | Silver-decorated and palladium-coated copper-electroplated fibers derived from electrospun polymer nanofibers. <i>Chemical Engineering Journal</i> , 2017, 327, 336-342. | 6.6 | 30 |
| 23 | Bio-inspired, colorful, flexible, defrostable light-scattering hybrid films for the effective distribution of LED light. <i>Nanoscale</i> , 2017, 9, 9139-9147. | 2.8 | 21 |
| 24 | Nanotextured cupric oxide nanofibers coated with atomic layer deposited ZnO-TiO ₂ as highly efficient photocathodes. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 479-485. | 10.8 | 41 |
| 25 | Enhancement of critical heat flux and superheat through controlled wettability of cuprous-oxide fractal-like nanotextured surfaces in pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 105-111. | 2.5 | 48 |
| 26 | Self-junctioned Copper Nanofiber Transparent Flexible Conducting Film via Electrospinning and Electroplating. <i>Advanced Materials</i> , 2016, 28, 7149-7154. | 11.1 | 141 |
| 27 | Freestanding fiber mats of zeolitic imidazolate framework 7 via one-step, scalable electrospinning. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 1.3 | 19 |
| 28 | Nano-textured copper oxide nanofibers for efficient air cooling. <i>Journal of Applied Physics</i> , 2016, 119, 065306. | 1.1 | 20 |
| 29 | Scalable Binder-Free Supersonic Cold Spraying of Nanotextured Cupric Oxide (CuO) Films as Efficient Photocathodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15406-15414. | 4.0 | 44 |
| 30 | Supersonically sprayed reduced graphene oxide film to enhance critical heat flux in pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2016, 98, 124-130. | 2.5 | 57 |
| 31 | Flexible, Freestanding, and Binder-free SnO ₂ –ZnO/Carbon Nanofiber Composites for Lithium Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9446-9453. | 4.0 | 83 |
| 32 | Polyacrylonitrile nanofibers with added zeolitic imidazolate frameworks (ZIF-7) to enhance mechanical and thermal stability. <i>Journal of Applied Physics</i> , 2015, 118, 245307. | 1.1 | 5 |
| 33 | Novel Composite Layer Based on Electrospun Polymer Nanofibers for Efficient Light Scattering. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 68-74. | 4.0 | 22 |
| 34 | Self-healing Nanofiber-Reinforced Polymer Composites. 2. Delamination/Debonding and Adhesive and Cohesive Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19555-19561. | 4.0 | 57 |
| 35 | Highly flexible transparent self-healing composite based on electrospun core-shell nanofibers produced by coaxial electrospinning for anti-corrosion and electrical insulation. <i>Nanoscale</i> , 2015, 7, 17778-17785. | 2.8 | 91 |
| 36 | Electrically-charged recyclable graphene flakes entangled with electrospun nanofibers for the adsorption of organics for water purification. <i>Nanoscale</i> , 2015, 7, 19170-19177. | 2.8 | 23 |

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|----|---|-----|-----------|
| 37 | Self-Healing Nanofiber-Reinforced Polymer Composites. 1. Tensile Testing and Recovery of Mechanical Properties. ACS Applied Materials & Interfaces, 2015, 7, 19546-19554. | 4.0 | 78 |
| 38 | Supersonically Blown Ultrathin Thorny Devil Nanofibers for Efficient Air Cooling. ACS Applied Materials & Interfaces, 2014, 6, 13657-13666. | 4.0 | 24 |