

Min Eui Lee

List of Publications by Year in descending order

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41
papers

1,105
citations

393982

19
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414034

32
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42
all docs

42
docs citations

42
times ranked

1731
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Efficient upcycling of polypropylene-based waste disposable masks into hard carbons for anodes in sodium ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 268-277. | 2.9 | 44 |
| 2 | Strategies for the production of PAN-Based carbon fibers with high tensile strength. <i>Carbon</i> , 2022, 186, 644-677. | 5.4 | 59 |
| 3 | Surface-driven charge storage behaviors of Kenaf-derived carbon electrodes with hierarchical porous structure for lithium-ion capacitors. <i>Applied Surface Science</i> , 2021, 544, 148979. | 3.1 | 5 |
| 4 | Silk Protein-Derived carbon fabric as an electrode with high Electro-Catalytic activity for All-Vanadium redox flow batteries. <i>Applied Surface Science</i> , 2021, 567, 150810. | 3.1 | 13 |
| 5 | High-performance nanohybrid anode based on FeS ₂ nanocubes and nitrogen-rich graphene oxide nanoribbons for sodium ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 61-66. | 2.9 | 9 |
| 6 | Chemical and physical reinforcement of hydrophilic gelatin film with di-aldehyde nanocellulose. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 332-342. | 3.6 | 80 |
| 7 | Electrolyte-Dependent Sodium Ion Transport Behaviors in Hard Carbon Anode. <i>Small</i> , 2020, 16, 2001053. | 5.2 | 22 |
| 8 | Synergistic combination of nanostructured sodium metal anode and capacitive cathode for advanced non-aqueous hybrid capacitors. <i>Applied Surface Science</i> , 2020, 513, 145848. | 3.1 | 3 |
| 9 | Anode-Free Sodium Metal Batteries Based on Nanohybrid Core-Shell Templates. <i>Small</i> , 2019, 15, e1901274. | 5.2 | 34 |
| 10 | Waste Beverage Coffee-Induced Hard Carbon Granules for Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12734-12740. | 3.2 | 41 |
| 11 | Intensification of Pseudocapacitance by Nanopore Engineering on Waste-Bamboo-Derived Carbon as a Positive Electrode for Lithium-Ion Batteries. <i>Materials</i> , 2019, 12, 2733. | 1.3 | 5 |
| 12 | Sodium Metal Batteries: Anode-Free Sodium Metal Batteries Based on Nanohybrid Core-Shell Templates (Small 37/2019). <i>Small</i> , 2019, 15, 1970201. | 5.2 | 0 |
| 13 | Magnesiophilic Graphitic Carbon Nanosubstrate for Highly Efficient and Fast-Rechargeable Mg Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38754-38761. | 4.0 | 24 |
| 14 | All-Fibrous Pyroprotein-Based Monolithic Electrodes Containing Heteroatoms for Sodium-Ion Hybrid Capacitors. <i>Macromolecular Research</i> , 2019, 27, 497-503. | 1.0 | 4 |
| 15 | Prevention of cellulose nanofibril agglomeration during dehydration and enhancement of redispersibility by hydrophilic gelatin. <i>Cellulose</i> , 2019, 26, 4357-4369. | 2.4 | 46 |
| 16 | Catalytic Pyroprotein Seed Layers for Sodium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12401-12407. | 4.0 | 21 |
| 17 | Quantitative characterization of a voltage-dependent pseudocapacitance on heteroatom-enriched nanoporous carbons. <i>Electrochimica Acta</i> , 2019, 302, 71-77. | 2.6 | 8 |
| 18 | Sodium metal hybrid capacitors based on nanostructured carbon materials. <i>Journal of Power Sources</i> , 2019, 418, 218-224. | 4.0 | 5 |

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|----|--|-----|-----------|
| 19 | High-toughness natural polymer nonwoven preforms inspired by silkworm cocoon structure. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 146-152. | 3.6 | 16 |
| 20 | Pyroprotein-Derived Hard Carbon Fibers Exhibiting Exceptionally High Plateau Capacities for Sodium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 1185-1191. | 2.5 | 38 |
| 21 | Pyrolytic Carbon Nanosheets for Ultrafast and Ultrastable Sodium-Ion Storage. <i>Small</i> , 2018, 14, 1703043. | 5.2 | 21 |
| 22 | High-performance Li-ion hybrid supercapacitors based on microporous pyropolymer nanoplates and orthorhombic Nb ₂ O ₅ nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 57, 284-289. | 2.9 | 10 |
| 23 | Standalone macroporous graphitic nanowebs for vanadium redox flow batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 85-90. | 2.9 | 5 |
| 24 | Sericin-derived activated carbon-loaded alginate bead: An effective and recyclable natural polymer-based adsorbent for methylene blue removal. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 906-914. | 3.6 | 25 |
| 25 | Facile and green fabrication of silk sericin films reinforced with bamboo-derived cellulose nanofibrils. <i>Journal of Cleaner Production</i> , 2018, 200, 1034-1042. | 4.6 | 47 |
| 26 | Sulfur-Doped Carbon Nanotemplates for Sodium Metal Anodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 1846-1852. | 2.5 | 32 |
| 27 | Promoting Helix-Rich Structure in Silk Fibroin Films through Molecular Interactions with Carbon Nanotubes and Selective Heating for Transparent Biodegradable Devices. <i>ACS Applied Nano Materials</i> , 2018, 1, 5441-5450. | 2.4 | 13 |
| 28 | Surface-Modified Cellulose Nanocrystal-incorporated Poly(butylene succinate) Nanocomposites. <i>Fibers and Polymers</i> , 2018, 19, 1395-1402. | 1.1 | 10 |
| 29 | Flexible Graphene Stacks for Sodium-Ion Storage. <i>ChemElectroChem</i> , 2017, 4, 716-720. | 1.7 | 21 |
| 30 | Hierarchically nanoporous pyropolymer nanofibers for surface-induced sodium-ion storage. <i>Electrochimica Acta</i> , 2017, 242, 38-46. | 2.6 | 15 |
| 31 | Conversion Reaction of Copper Sulfide Based Nanohybrids for Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9802-9808. | 3.2 | 57 |
| 32 | Synergistic catalytic effects of oxygen and nitrogen functional groups on active carbon electrodes for all-vanadium redox flow batteries. <i>RSC Advances</i> , 2017, 7, 43227-43232. | 1.7 | 30 |
| 33 | Corn Stem-Derived, Hierarchically Nanoporous Carbon as Electrode Material for Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7729-7734. | 0.9 | 3 |
| 34 | Microporous Carbon Nanoplate/Amorphous Ruthenium Oxide Hybrids as Supercapacitor Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10431-10436. | 0.9 | 5 |
| 35 | Morphologies and surface properties of cellulose-based activated carbon nanoplates. <i>Carbon Letters</i> , 2016, 20, 32-38. | 3.3 | 6 |
| 36 | Nanocomposite Films of Poly(vinyl alcohol)-Grafted Graphene Oxide/Poly(vinyl alcohol) for Gas Barrier Film Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8348-8352. | 0.9 | 13 |

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|----|---|-----|-----------|
| 37 | Hierarchically Porous Carbon Nanosheets from Waste Coffee Grounds for Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 3684-3690. | 4.0 | 261 |
| 38 | Hierarchical Porous Carbon/MnO ₂ Hybrids as Supercapacitor Electrodes. Journal of Nanoscience and Nanotechnology, 2014, 14, 9178-9181. | 0.9 | 4 |
| 39 | High-performance supercapacitors based on freestanding carbon-based composite paper electrodes. Journal of Power Sources, 2014, 246, 540-547. | 4.0 | 28 |
| 40 | Cellulose nanofiber-reinforced silk fibroin composite film with high transparency. Fibers and Polymers, 2014, 15, 215-219. | 1.1 | 18 |
| 41 | Pentacene crystal formation on the surface of silk fibroin films. Fibers and Polymers, 2013, 14, 2006-2009. | 1.1 | 4 |