Ji-Won Jung

List of Publications by Citations

41 papers	2,134 citations	24 h-index	43 g-index
43 ext. papers	2,539 ext. citations	10.9 avg, IF	5.29 L-index

#	Paper	IF	Citations
41	Electrospun nanofibers as a platform for advanced secondary batteries: a comprehensive review. *Journal of Materials Chemistry A*, **2016**, 4, 703-750	13	288
40	Electrochemical Nature of the Cathode Interface for a Solid-State Lithium-Ion Battery: Interface between LiCoO2 and Garnet-Li7La3Zr2O12. *Chemistry of Materials*, **2016**, 28, 8051-8059	9.6	272
39	Brush-Like Cobalt Nitride Anchored Carbon Nanofiber Membrane: Current Collector-Catalyst Integrated Cathode for Long Cycle Li-O Batteries. *ACS Nano*, **2018**, 12, 128-139	16.7	175
38	One-Dimensional RuO2/Mn2O3 Hollow Architectures as Efficient Bifunctional Catalysts for Lithium-Oxygen Batteries. *Nano Letters*, **2016**, 16, 2076-83	11.5	164
37	A High-Capacity and Long-Cycle-Life Lithium-Ion Battery Anode Architecture: Silver Nanoparticle-Decorated SnO/NiO Nanotubes. *ACS Nano*, **2016**, 10, 11317-11326	16.7	149
36	Graphene-Wrapped Anatase TiO2 Nanofibers as High-Rate and Long-Cycle-Life Anode Material for Sodium Ion Batteries. *Scientific Reports*, **2015**, 5, 13862	4.9	84
35	Rational Design of Efficient Electrocatalysts for Hydrogen Evolution Reaction: Single Layers of WS2 Nanoplates Anchored to Hollow Nitrogen-Doped Carbon Nanofibers. *ACS Applied Materials & Interfaces*, **2015**, 7, 28116-21	9.5	82
34	A Critical Review on Functionalization of Air-Cathodes for Nonaqueous Li□2 Batteries. *Advanced Functional Materials*, **2020**, 30, 1808303	15.6	77
33	Cobalt(II) monoxide nanoparticles embedded in porous carbon nanofibers as a highly reversible conversion reaction anode for Li-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 3239	13	64
32	Formation of a Surficial Bifunctional Nanolayer on Nb O for Ultrastable Electrodes for Lithium-Ion Battery. *Small*, **2017**, 13, 1603610	11	56
31	Few-Layered WS2 Nanoplates Confined in Co, N-Doped Hollow Carbon Nanocages: Abundant WS2 Edges for Highly Sensitive Gas Sensors. *Advanced Functional Materials*, **2018**, 28, 1802575	15.6	53
30	Dimensional Effects of MoS Nanoplates Embedded in Carbon Nanofibers for Bifunctional Li and Na Insertion and Conversion Reactions. *ACS Applied Materials & Interfaces*, **2016**, 8, 26758-26768	9.5	53
29	MOF derived ZnCo2O4 porous hollow spheres functionalized with Ag nanoparticles for a long-cycle and high-capacity lithium ion battery anode. *Journal of Materials Chemistry A*, **2017**, 5, 22717-22725	13	52
28	Rational design of protective In2O3 layer-coated carbon nanopaper membrane: Toward stable cathode for long-cycle Li-O2 batteries. *Nano Energy*, **2018**, 46, 193-202	17.1	51
27	Glassy Metal Alloy Nanofiber Anodes Employing Graphene Wrapping Layer: Toward Ultralong-Cycle-Life Lithium-Ion Batteries. *ACS Nano*, **2015**, 9, 6717-27	16.7	49
26	Three-Dimensional Nanofibrous Air Electrode Assembled With Carbon Nanotubes-Bridged Hollow FeO Nanoparticles for High-Performance Lithium-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 6531-6540	9.5	46
25	Rational Design of 1-D CoO Nanofibers@Low content Graphene Composite Anode for High Performance Li-Ion Batteries. *Scientific Reports*, **2017**, 7, 45105	4.9	43

24	Fast, Scalable Synthesis of Micronized Ge3N4@C with a High Tap Density for Excellent Lithium Storage. *Advanced Functional Materials*, **2017**, 27, 1605975	15.6	42
23	Lithium-Air Batteries: Air-Breathing Challenges and Perspective. *ACS Nano*, **2020**, 14, 14549-14578	16.7	41
22	Synergistic Coupling of Metallic Cobalt Nitride Nanofibers and IrOx Nanoparticle Catalysts for Stable Oxygen Evolution. *Chemistry of Materials*, **2018**, 30, 5941-5950	9.6	37
21	Feasible Defect Engineering by Employing Metal Organic Framework Templates into One-Dimensional Metal Oxides for Battery Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 20540-20549	9.5	34
20	Stress-Tolerant Nanoporous Germanium Nanofibers for Long Cycle Life Lithium Storage with High Structural Stability. *ACS Nano*, **2018**, 12, 8169-8176	16.7	33
19	Tailored Combination of Low Dimensional Catalysts for Efficient Oxygen Reduction and Evolution in Li-O2 Batteries. *ChemSusChem*, **2016**, 9, 2080-8	8.3	32
18	Electrospun materials for solar energy conversion: innovations and trends. *Journal of Materials Chemistry C*, **2016**, 4, 10173-10197	7.1	29
17	Highly porous coral-like silicon particles synthesized by an ultra-simple thermal-reduction method. *Journal of Materials Chemistry A*, **2018**, 6, 2834-2846	13	22
16	Recent Progress in 1D Air Electrode Nanomaterials for Enhancing the Performance of Nonaqueous Lithium□Oxygen Batteries. *ChemNanoMat*, **2016**, 2, 616-634	3.5	19
15	Hierarchically Assembled Cobalt Oxynitride Nanorods and N-Doped Carbon Nanofibers for Efficient Bifunctional Oxygen Electrocatalysis with Exceptional Regenerative Efficiency. *ACS Nano*, **2021**,	16.7	15
14	Free-Standing Carbon Nanofibers Protected by a Thin Metallic Iridium Layer for Extended Life-Cycle Li-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 55756-55765	9.5	14
13	Ensemble Design of Electrode-Electrolyte Interfaces: Toward High-Performance Thin-Film All-Solid-State Li-Metal Batteries. *ACS Nano*, **2021**, 15, 4561-4575	16.7	10
12	Gallium Nitride Nanoparticles Embedded in a Carbon Nanofiber Anode for Ultralong-Cycle-Life Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 44263-44269	9.5	9
11	Multi-stacked electrodes employing aluminum coated tissue papers and non-oxidized graphene nanoflakes for high performance lithium□sulfur batteries. *RSC Advances*, **2016**, 6, 60537-60545	3.7	8
10	Synergistic Interactions of Different Electroactive Components for Superior Lithium Storage Performance. *ACS Applied Materials & Interfaces*, **2021**, 13, 587-596	9.5	6
9	Low-temperature synthesis of tetragonal phase of hafnium oxide using polymer-blended nanofiber precursor. *Applied Surface Science*, **2020**, 533, 147496	6.7	6
8	Straightforward strategy toward a shape-deformable carbon-free cathode for flexible Li□air batteries in ambient air. *Nano Energy*, **2021**, 83, 105821	17.1	6
7	Stable and High-Capacity Si Electrodes with Free-Standing Architecture for Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 208-217	6.1	5

6	Reduced Graphene-Oxide-Encapsulated MoS/Carbon Nanofiber Composite Electrode for High-Performance Na-Ion Batteries. *Nanomaterials*, **2021**, 11,	5.4	3
5	Tailored Combination of Low Dimensional Catalysts for Efficient Oxygen Reduction and Evolution in Li□2 Batteries. *ChemSusChem*, **2016**, 9, 2007-2007	8.3	2
4	Black Tungsten Oxide Nanofiber as a Robust Support for Metal Catalysts: High Catalyst Loading for Electrochemical Oxygen Reduction. *Small*, **2021**, 17, e2103755	11	2
3	Investigation of Ordering on Oxygen-Deficient LiNi Mn O Thin Films for Boosting Electrochemical Performance in All-Solid-State Thin-Film Batteries.. *Small*, **2022**, e2201134	11	1
2	Gas Sensors: Few-Layered WS2 Nanoplates Confined in Co, N-Doped Hollow Carbon Nanocages: Abundant WS2 Edges for Highly Sensitive Gas Sensors (Adv. Funct. Mater. 36/2018). *Advanced Functional Materials*, **2018**, 28, 1870254	15.6	0
1	Real Time Observation of Initial Conversion Reaction of Co3O4 Nanoparticles Using Graphene Liquid Cell Electron Microscopy. *Microscopy and Microanalysis*, **2017**, 23, 1968-1969	0.5	