Youngjin Kim

List of Publications by Citations

37 papers	3,194 citations	20 h-index	43 g-index
43 ext. papers	3,560 ext. citations	11.7 avg, IF	5.47 L-index

#	Paper	IF	Citations
37	An amorphous red phosphorus/carbon composite as a promising anode material for sodium ion batteries. *Advanced Materials*, **2013**, 25, 3045-9	24	685
36	Charge carriers in rechargeable batteries: Na ions vs. Li ions. *Energy and Environmental Science*, **2013**, 6, 2067	35.4	635
35	High-capacity anode materials for sodium-ion batteries. *Chemistry - A European Journal*, **2014**, 20, 11980-92	4.8	442
34	Tin phosphide as a promising anode material for Na-ion batteries. *Advanced Materials*, **2014**, 26, 4139-44	24	316
33	Direct synthesis of self-assembled ferrite/carbon hybrid nanosheets for high performance lithium-ion battery anodes. *Journal of the American Chemical Society*, **2012**, 134, 15010-5	16.4	209
32	SnSe alloy as a promising anode material for Na-ion batteries. *Chemical Communications*, **2015**, 51, 50-3	5.8	108
31	Two-Dimensional Phosphorene-Derived Protective Layers on a Lithium Metal Anode for Lithium-Oxygen Batteries. *ACS Nano*, **2018**, 12, 4419-4430	16.7	92
30	Living Light-Induced Crystallization-Driven Self-Assembly for Rapid Preparation of Semiconducting Nanofibers. *Journal of the American Chemical Society*, **2018**, 140, 6088-6094	16.4	88
29	Interfacial architectures based on a binary additive combination for high-performance Sn4P3 anodes in sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 8332-8338	13	64
28	Cobalt-free, high-nickel layered oxide cathodes for lithium-ion batteries: Progress, challenges, and perspectives. *Energy Storage Materials*, **2021**, 34, 250-259	19.4	54
27	Cointercalation of Mg2+ Ions into Graphite for Magnesium-Ion Batteries. *Chemistry of Materials*, **2018**, 30, 3199-3203	9.6	52
26	Investigation into the stability of Li metal anodes in Li□2 batteries with a redox mediator. *Journal of Materials Chemistry A*, **2017**, 5, 10609-10621	13	51
25	Co-intercalation of Mg(2+) and Na(+) in Na(0.69)Fe2(CN)6 as a High-Voltage Cathode for Magnesium Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 8554-60	9.5	47
24	Breathing silicon anodes for durable high-power operations. *Scientific Reports*, **2015**, 5, 14433	4.9	45
23	Rechargeable Seawater Batteries-From Concept to Applications. *Advanced Materials*, **2019**, 31, e1804936	24	44
22	Increase of both solubility and working voltage by acetyl substitution on ferrocene for non-aqueous flow battery. *Electrochemistry Communications*, **2016**, 69, 72-75	5.1	30
21	Environmentally Sustainable Aluminum-Coordinated Poly(tetrahydroxybenzoquinone) as a Promising Cathode for Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 3479-3486	9.5	29

20	Impact of Residual Lithium on the Adoption of High-Nickel Layered Oxide Cathodes for Lithium-Ion Batteries. *Chemistry of Materials*, **2020**, 32, 9479-9489	9.6	28
19	Unraveling the Intricacies of Residual Lithium in High-Ni Cathodes for Lithium-Ion Batteries. *ACS Energy Letters*, **2021**, 6, 941-948	20.1	27
18	Thermal Behavior of Solid Electrolyte Interphase Films Deposited on Graphite Electrodes with Different States-of-Charge. *Journal of the Electrochemical Society*, **2015**, 162, A892-A896	3.9	20
17	Selectively accelerated lithium ion transport to silicon anodes via an organogel binder. *Journal of Power Sources*, **2015**, 298, 8-13	8.9	18
16	A first-cycle coulombic efficiency higher than 100% observed for a Li2MO3 (M = Mo or Ru) electrode. *Angewandte Chemie - International Edition*, **2014**, 53, 10654-7	16.4	17
15	Role of Na+in the Cation Disorder of [Li1-xNax]NiO2as a Cathode for Lithium-Ion Batteries. *Journal of the Electrochemical Society*, **2018**, 165, A201-A205	3.9	15
14	Electrode Performances of Amorphous Molybdenum Oxides of Different Molybdenum Valence for Lithium-ion Batteries. *Israel Journal of Chemistry*, **2015**, 55, 604-610	3.4	12
13	Rational Design of Coating Ions via Advantageous Surface Reconstruction in High-Nickel Layered Oxide Cathodes for Lithium-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2101112	21.8	11
12	Swelling-induced pore generation in fluorinated polynorbornene block copolymer films. *Polymer Chemistry*, **2018**, 9, 3536-3542	4.9	10
11	Failure mode of thick cathodes for Li-ion batteries: Variation of state-of-charge along the electrode thickness direction. *Electrochimica Acta*, **2021**, 370, 137743	6.7	10
10	Bi-functional effects of lengthening aliphatic chain of phthalimide-based negative redox couple and its non-aqueous flow battery performance at stack cell. *APL Materials*, **2018**, 6, 047901	5.7	8
9	Wet-CO Pretreatment Process for Reducing Residual Lithium in High-Nickel Layered Oxides for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 27096-27105	9.5	7
8	Composites: An Amorphous Red Phosphorus/Carbon Composite as a Promising Anode Material for Sodium Ion Batteries (Adv. Mater. 22/2013). *Advanced Materials*, **2013**, 25, 3010-3010	24	6
7	Seawater Battery-Based Wireless Marine Buoy System With Battery Degradation Prediction and Multiple Power Optimization Capabilities. *IEEE Access*, **2021**, 9, 104104-104114	3.5	3
6	Development of Prismatic Cells for Rechargeable Seawater Batteries. *Advanced Sustainable Systems*,2100484	5.9	3
5	Rechargeable Seawater Batteries: Rechargeable Seawater Batteries□rom Concept to Applications (Adv. Mater. 20/2019). *Advanced Materials*, **2019**, 31, 1970141	24	2
4	Scalable Solid-State Synthesis of Self-Assembled Si Nanoparticles in Spherical Carbons through Relative Miscibility for Li-Ion Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A1127-A1131	3.9	1
3	A First-Cycle Coulombic Efficiency Higher than 100 % Observed for a Li2MO3 (M=Mo or Ru) Electrode. *Angewandte Chemie*, **2014**, 126, 10830-10833	3.6	1

2	Hydrothermally synthesized tin (IV) sulfide as a negative electrode for sodium-ion batteries and its sodiation mechanism. *Journal of Electroanalytical Chemistry*, **2018**, 808, 137-140	4.1	1
1	Nonpolar Solvent-based Electrolytes with a Quasi-Solid-State Redox Reaction for Lithium-Sulfur Batteries. *ChemElectroChem*, **2021**, 8, 2321-2328	4.3	