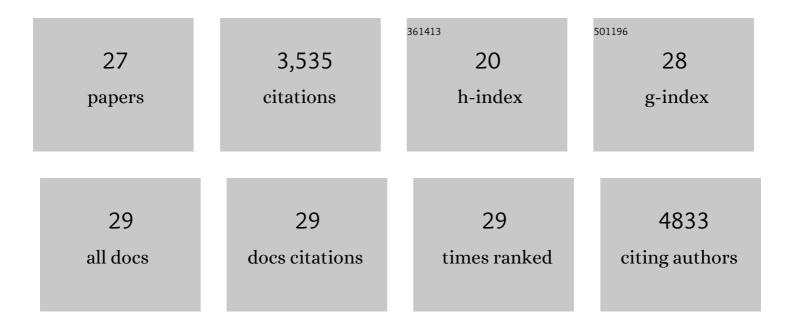
Sung-Kyun Jung

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Unveiling the Role of Transitionâ€Metal Ions in the Thermal Degradation of Layered Ni–Co–Mn Cathodes for Lithium Rechargeable Batteries. Advanced Functional Materials, 2022, 32, .	14.9	21
2	Highly Stable Fe ²⁺ /Ti ³⁺ â€Based Fluoride Cathode Enabling Lowâ€Cost and Highâ€Performance Naâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	14.9	11
3	Pliable Lithium Superionic Conductor for All-Solid-State Batteries. ACS Energy Letters, 2021, 6, 2006-2015.	17.4	46
4	Nanoscale Phenomena in Lithium-Ion Batteries. Chemical Reviews, 2020, 120, 6684-6737.	47.7	142
5	Highâ€Voltageâ€Driven Surface Structuring and Electrochemical Stabilization of Niâ€Rich Layered Cathode Materials for Li Rechargeable Batteries. Advanced Energy Materials, 2020, 10, 2000521.	19.5	90
6	Voltage decay and redox asymmetry mitigation by reversible cation migration in lithium-rich layered oxide electrodes. Nature Materials, 2020, 19, 419-427.	27.5	328
7	A new lithium diffusion model in layered oxides based on asymmetric but reversible transition metal migration. Energy and Environmental Science, 2020, 13, 1269-1278.	30.8	39
8	Bio-inspired Molecular Redesign of a Multi-redox Catholyte for High-Energy Non-aqueous Organic Redox Flow Batteries. CheM, 2019, 5, 2642-2656.	11.7	61
9	Charge-transfer complexes for high-power organic rechargeable batteries. Energy Storage Materials, 2019, 20, 462-469.	18.0	70
10	In operando formation of new iron-oxyfluoride host structure for Na-ion storage from NaF–FeO nanocomposite. Energy Storage Materials, 2019, 23, 427-433.	18.0	8
11	Chemical Origins of Electrochemical Overpotential in Surface onversion Nanocomposite Cathodes. Advanced Energy Materials, 2019, 9, 1900503.	19.5	6
12	Understanding the effects of chemical reactions at the cathode–electrolyte interface in sulfide based all-solid-state batteries. Journal of Materials Chemistry A, 2019, 7, 22967-22976.	10.3	80
13	Unveiling the Intrinsic Cycle Reversibility of a LiCoO ₂ Electrode at 4.8-V Cutoff Voltage through Subtractive Surface Modification for Lithium-Ion Batteries. Nano Letters, 2019, 19, 29-37.	9.1	78
14	New Iron-Based Intercalation Host for Lithium-Ion Batteries. Chemistry of Materials, 2018, 30, 1956-1964.	6.7	20
15	Suppression of Voltage Decay through Manganese Deactivation and Nickel Redox Buffering in Highâ€Energy Layered Lithiumâ€Rich Electrodes. Advanced Energy Materials, 2018, 8, 1800606.	19.5	97
16	Intrinsic Nanodomains in Triplite LiFeSO ₄ F and Its Implication in Lithiumâ€lon Diffusion. Advanced Energy Materials, 2018, 8, 1701408.	19.5	16
17	Recent Progress in Organic Electrodes for Li and Na Rechargeable Batteries. Advanced Materials, 2018, 30, e1704682.	21.0	366
18	Multi-redox Molecule for High-Energy Redox Flow Batteries. Joule, 2018, 2, 1771-1782.	24.0	123

SUNG-KYUN JUNG

#	Article	IF	CITATIONS
19	Lithium-free transition metal monoxides for positive electrodes in lithium-ion batteries. Nature Energy, 2017, 2, .	39.5	94
20	Simultaneous anionic and cationic redox. Nature Energy, 2017, 2, 912-913.	39.5	21
21	NaF–FeF2 nanocomposite: New type of Na-ion battery cathode material. Nano Research, 2017, 10, 4388-4397.	10.4	17
22	Unexpected discovery of low-cost maricite NaFePO ₄ as a high-performance electrode for Na-ion batteries. Energy and Environmental Science, 2015, 8, 540-545.	30.8	299
23	Review—Lithium-Excess Layered Cathodes for Lithium Rechargeable Batteries. Journal of the Electrochemical Society, 2015, 162, A2447-A2467.	2.9	141
24	Anomalous Jahn–Teller behavior in a manganese-based mixed-phosphate cathode for sodium ion batteries. Energy and Environmental Science, 2015, 8, 3325-3335.	30.8	175
25	Understanding the Degradation Mechanisms of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Cathode Material in Lithium Ion Batteries. Advanced Energy Materials, 2014, 4, 1300787.	19.5	893
26	Highâ€Performance Hybrid Supercapacitor Based on Grapheneâ€Wrapped Li ₄ Ti ₅ O ₁₂ and Activated Carbon. ChemElectroChem, 2014, 1, 125-130.	3.4	137
27	A new catalyst-embedded hierarchical air electrode for high-performance Li–O2 batteries. Energy and Environmental Science, 2013, 6, 3570.	30.8	152