

# Sohyun Park

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A new tellurium-based Ni <sub>3</sub> TeO <sub>6</sub> carbon nanotubes composite anode for Na-ion battery. International Journal of Energy Research, 2022, 46, 16041-16049.	4.5	6
2	C-Na <sub>3</sub> V <sub>1.96</sub> Fe <sub>0.04</sub> (PO <sub>4</sub> ) <sub>3</sub> /Fe <sub>2</sub> P nanoclusters with stable charge-transfer interface for high-power sodium ion batteries. Chemical Engineering Journal, 2021, 404, 126974.	12.7	25
3	A new material discovery platform of stable layered oxide cathodes for K-ion batteries. Energy and Environmental Science, 2021, 14, 5864-5874.	30.8	30
4	Chromium doping into NASICON-structured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode for high-power Na-ion batteries. Chemical Engineering Journal, 2021, 422, 130052.	12.7	58
5	In Situ Oriented Mn Deficient ZnMn <sub>2</sub> O <sub>4</sub> @C Nanoarchitecture for Durable Rechargeable Aqueous Zinc-ion Batteries. Advanced Science, 2021, 8, 2002636.	11.2	90
6	High-voltage cathode materials by combustion-based preparative approaches for Li-ion batteries application. Journal of Power Sources, 2020, 472, 228368.	7.8	10
7	Investigation of superior sodium storage and reversible Na <sub>2</sub> S conversion reactions in a porous NiS <sub>2</sub> @C composite using <i>in operando</i> X-ray diffraction. Journal of Materials Chemistry A, 2020, 8, 24401-24407.	10.3	14
8	Manganese and Vanadium Oxide Cathodes for Aqueous Rechargeable Zinc-Ion Batteries: A Focused View on Performance, Mechanism, and Developments. ACS Energy Letters, 2020, 5, 2376-2400.	17.4	303
9	Density Functional Theory Investigation of Mixed Transition Metals in Olivine and Tavorite Cathode Materials for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 16376-16386.	8.0	22
10	Quasi-solid-state zinc-ion battery based on $\delta$ -MnO <sub>2</sub> cathode with husk-like morphology. Electrochimica Acta, 2020, 345, 136189.	5.2	24
11	K <sup>+</sup> intercalated V <sub>2</sub> O <sub>5</sub> nanorods with exposed facets as advanced cathodes for high energy and high rate zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 20335-20347.	10.3	116
12	One-pot pyro synthesis of a nanosized-LiMn <sub>2</sub> O <sub>4</sub> /C cathode with enhanced lithium storage properties. RSC Advances, 2019, 9, 24030-24038.	3.6	12
13	Uniform Carbon Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> O <sub>2</sub> F <sub>3</sub> Nanoparticles for Sodium Ion Batteries as Cathode. ACS Sustainable Chemistry and Engineering, 2019, 7, 18826-18834.	6.7	16
14	Phase-pure Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> embedded in carbon matrix through a facile polyol synthesis as a potential cathode for high performance sodium-ion batteries. Nano Research, 2019, 12, 911-917.	10.4	38
15	A zero fading sodium ion battery: High compatibility microspherical patronite in ether-based electrolyte. Energy Storage Materials, 2019, 19, 270-280.	18.0	29
16	Sodium manganese oxide electrodes accompanying self-ion exchange for lithium/sodium hybrid ion batteries. Electrochimica Acta, 2018, 261, 42-48.	5.2	10
17	Dandelion-shaped manganese sulfide in ether-based electrolyte for enhanced performance sodium-ion batteries. Communications Chemistry, 2018, 1, .	4.5	37
18	One step pyro-synthesis process of nanostructured Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode for rechargeable Li-ion batteries. Materials Today Communications, 2017, 10, 105-111.	1.9	13

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19	One-pot pyro-synthesis of a high energy density $\text{LiFePO}_4\text{-Li}_3\text{V}_2(\text{PO}_4)_3$ nanocomposite cathode for lithium-ion battery applications. <i>Ceramics International</i> , 2017, 43, 4288-4294.	4.8	11
20	An Enhanced High-Rate $\text{Na}_3\text{V}_2(\text{PO}_4)_3\text{-Ni}_2\text{P}$ Nanocomposite Cathode with Stable Lifetime for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35235-35242.	8.0	35
21	High rate performance of a $\text{NaTi}_2(\text{PO}_4)_3/\text{rGO}$ composite electrode via pyro synthesis for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7815-7822.	10.3	60
22	Pyro-synthesis of $\text{Na}_2\text{FeP}_2\text{O}_7$ Nano-plates as Cathode for Sodium-ion Batteries with Long Cycle Stability. <i>Journal of the Korean Ceramic Society</i> , 2016, 53, 406-410.	2.3	8