

# Munseok S Chae

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,284  
citations

361413

20  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic electrolyte-based rechargeable zinc-ion batteries using potassium nickel hexacyanoferrate as a cathode material. <i>Journal of Power Sources</i> , 2017, 337, 204-211.	7.8	214
2	Electrochemical Zinc-Ion Intercalation Properties and Crystal Structures of $\text{ZnMo}_6\text{S}_8$ and $\text{Zn}_2\text{Mo}_6\text{S}_8$ Chevrel Phases in Aqueous Electrolytes. <i>Inorganic Chemistry</i> , 2016, 55, 3294-3301.	4.0	161
3	Ammonium Vanadium Bronze ( $\text{NH}_4\text{V}_4\text{O}_{10}$ ) as a High-Capacity Cathode Material for Nonaqueous Magnesium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 3690-3696.	6.7	119
4	$\text{H}_2\text{V}_3\text{O}_8$ as a High Energy Cathode Material for Nonaqueous Magnesium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 7464-7472.	6.7	76
5	Unraveling the Magnesium-Ion Intercalation Mechanism in Vanadium Pentoxide in a Wet Organic Electrolyte by Structural Determination. <i>Inorganic Chemistry</i> , 2017, 56, 7668-7678.	4.0	63
6	On the challenge of large energy storage by electrochemical devices. <i>Electrochimica Acta</i> , 2020, 354, 136771.	5.2	62
7	Prototype System of Rocking-Chair Zn-Ion Battery Adopting Zinc Chevrel Phase Anode and Rhombohedral Zinc Hexacyanoferrate Cathode. <i>Batteries</i> , 2019, 5, 3.	4.5	56
8	Electrochemical Exchange Reaction Mechanism and the Role of Additive Water to Stabilize the Structure of $\text{VOPO}_4 \cdot 2\text{H}_2\text{O}$ as a Cathode Material for Potassium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 1069-1075.	6.8	54
9	The Sodium Storage Mechanism in Tunnel-Type $\text{Na}_{0.44}\text{MnO}_2$ Cathodes and the Way to Ensure Their Durable Operation. <i>Advanced Energy Materials</i> , 2020, 10, 2000564.	19.5	51
10	Potassium nickel hexacyanoferrate as a high-voltage cathode material for nonaqueous magnesium-ion batteries. <i>Journal of Power Sources</i> , 2017, 363, 269-276.	7.8	49
11	Highly active and durable double-doped bismuth oxide-based oxygen electrodes for reversible solid oxide cells at reduced temperatures. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20558-20566.	10.3	47
12	Vacancy-Driven High Rate Capabilities in Calcium-Doped $\text{Na}_{0.4}\text{MnO}_2$ Cathodes for Aqueous Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2002077.	19.5	37
13	Calcium Molybdenum Bronze as a Stable High-Capacity Cathode Material for Calcium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 5107-5112.	5.1	37
14	Anomalous Sodium Storage Behavior in Al/F Dual-Doped $\text{P}_2$ -Type Sodium Manganese Oxide Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2002205.	19.5	36
15	The Role of Surface Adsorbed $\text{Cl}^+$ Complexes in Rechargeable Magnesium Batteries. <i>ACS Catalysis</i> , 2020, 10, 7773-7784.	11.2	35
16	Rhombohedral Potassium-Zinc Hexacyanoferrate as a Cathode Material for Nonaqueous Potassium-Ion Batteries. <i>Inorganic Chemistry</i> , 2019, 58, 3065-3072.	4.0	33
17	Double-Sheet Vanadium Oxide as a Cathode Material for Calcium-Ion Batteries. <i>ChemNanoMat</i> , 2020, 6, 1049-1053.	2.8	29
18	Tunnel-Type Sodium Manganese Oxide Cathodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2021, 8, 798-811.	3.4	26

#	ARTICLE	IF	CITATIONS
19	High Performance Aqueous and Nonaqueous Ca-Ion Cathodes Based on Fused-Ring Aromatic Carbonyl Compounds. ACS Energy Letters, 2021, 6, 2659-2665.	17.4	23
20	Changes in the interfacial charge-transfer resistance of Mg metal electrodes, measured by dynamic electrochemical impedance spectroscopy. Electrochemistry Communications, 2021, 124, 106952.	4.7	21
21	An efficient and robust lanthanum strontium cobalt ferrite catalyst as a bifunctional oxygen electrode for reversible solid oxide cells. Journal of Materials Chemistry A, 2021, 9, 5507-5521.	10.3	21
22	Layered Iron Vanadate as a High-Capacity Cathode Material for Nonaqueous Calcium-Ion Batteries. Batteries, 2021, 7, 54.	4.5	14
23	Na <sub>0.44</sub> MnO <sub>2</sub> /Polyimide Aqueous Na-ion Batteries for Large Energy Storage Applications. Frontiers in Energy Research, 2021, 8, .	2.3	8
24	Electrochemical lithium intercalation chemistry of condensed molybdenum metal cluster oxide: LiMo <sub>4</sub> O <sub>6</sub> . Journal of Solid State Chemistry, 2017, 254, 90-95.	2.9	4
25	Boosting Tunnel-Type Manganese Oxide Cathodes by Lithium Nitrate for Practical Aqueous Na-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 10744-10751.	5.1	4
26	Multifold Electrochemical Protons and Zinc Ion Storage Behavior in Copper Vanadate Cathodes. ACS Applied Energy Materials, 2021, 4, 10197-10202.	5.1	4