Hyun Young Park

List of Publications by Year
in descending order

30	449	686830 13	752256 20
papers	citations	h-index	g-index

31	31	31	431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multidimensional Hybrid Architecture Encapsulating Cobalt Oxide Nanoparticles into Carbon Nanotube Branched Nitrogenâ€Doped Reduced Graphene Oxide Networks for Lithiumâ€“Sulfur Batteries. Energy and Environmental Materials, 2022, 5, 555-564.	7.3	40
2	Autoâ€Oxygenated Porphyrinâ€Derived Redox Mediators for Highâ€Performance Lithium Airâ€Breathing Batteries. Advanced Energy Materials, 2022, 12, 2103527.	10.2	15
3	Exceptionally increased reversible capacity of O3-type NaCrO2 cathode by preventing irreversible phase transition. Energy Storage Materials, 2022, 46, 289-299.	9.5	17
4	Strategic Approach to Diversify Design Options for Liâ€Ion Batteries by Utilizing Lowâ€Ni Layered Cathode Materials (Adv. Energy Mater. 7/2022). Advanced Energy Materials, 2022, 12, .	10.2	0
5	Recent Progress of Cathode Materials for Na-ion batteries. Ceramist, 2022, 25, 76-89.	0.0	0
6	Strategic Approach to Diversify Design Options for Liâ€Ion Batteries by Utilizing Lowâ€Ni Layered Cathode Materials. Advanced Energy Materials, 2022, 12, .	10.2	13
7	A high-energy conversion-type cathode activated by amorpholization for Li rechargeable batteries. Journal of Materials Chemistry A, 2022, 10, 20080-20089.	5.2	4
8	Highly Stable Fe²⁺/Ti³⁺â€Based Fluoride Cathode Enabling Lowâ€Cost and Highâ€Performance Naâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	11
9	Activity of layered swedenborgite structured Y_{0.8}Er_{0.2}BaCo_{3.2}Ga_{0.8}O_{7+Î´} for oxygen electrode reactions in at intermediate temperature reversible ceramic cells. Journal of Materials Chemistry A, 2021, 9, 607-621.	5.2	36
10	K_{1.5}VOPO₄F_{0.5}: a novel high-power and high-voltage cathode for rechargeable K-ion batteries. Journal of Materials Chemistry A, 2021, 9, 11802-11811.	5.2	8
11	An exceptionally large energy cathode with the Kâ€“SO₄â€“Cu conversion reaction for potassium rechargeable batteries. Journal of Materials Chemistry A, 2021, 9, 5475-5484.	5.2	3
12	Layered Double Hydroxide Quantum Dots for Use in a Bifunctional Separator of Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 17978-17987.	4.0	28
13	Na₂Fe₂F₇: a fluoride-based cathode for high power and long life Na-ion batteries. Energy and Environmental Science, 2021, 14, 1469-1479.	15.6	16
14	Dual lithium storage of Pt electrode: alloying and reversible surface layer. Journal of Materials Chemistry A, 2021, 9, 18377-18384.	5.2	7
15	Low-cost and high-power K₄[Mn₂Fe](PO₄)₂(P₂O₇) as a novel cathode with outstanding cyclability for K-ion batteries. Journal of Materials Chemistry A, 2021, 9, 9898-9908.	5.2	9
16	Selective Anionic Redox and Suppressed Structural Disordering Enabling Highâ€Energy and Longâ€Life Liâ€Rich Layeredâ€Oxide Cathode. Advanced Energy Materials, 2021, 11, 2102311.	10.2	25
17	Development of a New Mixed-Polyanion Cathode with Superior Electrochemical Performances for Na-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 163-171.	3.2	20
18	Exceptionally high-energy tunnel-type V1.5Cr0.5O4.5H nanocomposite as a novel cathode for Na-ion batteries. Nano Energy, 2020, 77, 105175.	8.2	10

#	Article	IF	Citations
19	High-power rhombohedral-Fe2(SO4)3 with outstanding cycle-performance as Fe-based cathode for K-ion batteries. Energy Storage Materials, 2020, 33, 276-282.	9.5	12
20	Understanding the structural phase transitions in lithium vanadium phosphate cathodes for lithium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 10331-10336.	5.2	29
21	Development of K4Fe3(PO4)2(P2O7) as a novel Fe-based cathode with high energy densities and excellent cyclability in rechargeable potassium batteries. Energy Storage Materials, 2020, 28, 47-54.	9.5	32
22	Development of Novel Cathode with Large Lithium Storage Mechanism Based on Pyrophosphateâ€Based Conversion Reaction for Rechargeable Lithium Batteries. Small Methods, 2020, 4, 1900847.	4.6	5
23	The Conversion Chemistry for High-Energy Cathodes of Rechargeable Sodium Batteries. ACS Nano, 2019, 13, 11707-11716.	7.3	13
24	Unveiling yavapaiite-type K Fe(SO4)2 as a new Fe-based cathode with outstanding electrochemical performance for potassium-ion batteries. Nano Energy, 2019, 66, 104184.	8.2	28
25	Development of Na2FePO4F/Conducting-Polymer composite as an exceptionally high performance cathode material for Na-ion batteries. Journal of Power Sources, 2019, 432, 1-7.	4.0	29
26	Introduction of New Iron Sulfate Cathode Material for Na-Ion Batteries with Great Power-Capability and out Standing Cyclability. ECS Meeting Abstracts, 2019, , .	0.0	0
27	Monoclinic Na2.4V2(PO4)3/Conductive Polymer Composite As High Capacity Cathodes for Na-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
28	Prognostic Significance of Left Axis Deviation in Acute Heart Failure Patients with Left Bundle branch block: an Analysis from the Korean Acute Heart Failure (KorAHF) Registry. Korean Circulation Journal, 2018, 48, 1002.	0.7	4
29	Unexpectedly high electrochemical performances of a monoclinic Na_{2.4}V₂(PO₄)₃/conductive polymer composite for Na-ion batteries. Journal of Materials Chemistry A, 2018, 6, 17571-17578.	5.2	19
30	Na0.97KFe(SO4)2: an iron-based sulfate cathode material with outstanding cyclability and power capability for Na-ion batteries. Journal of Materials Chemistry A, 2018, 6, 17095-17100.	5.2	16