

Hyun Young Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8901354/publications.pdf>

Version: 2024-02-01

30
papers

449
citations

686830

13
h-index

752256

20
g-index

31
all docs

31
docs citations

31
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional Hybrid Architecture Encapsulating Cobalt Oxide Nanoparticles into Carbon Nanotube Branched Nitrogen-Doped Reduced Graphene Oxide Networks for Lithium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 555-564.	7.3	40
2	Activity of layered swedenborgite structured $Y_{0.8}Er_{0.2}BaCo_{3.2}Ga_{0.8}O_{7+\delta}$ for oxygen electrode reactions in at intermediate temperature reversible ceramic cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 607-621.	5.2	36
3	Development of $K_4Fe_3(PO_4)_2(P_2O_7)$ as a novel Fe-based cathode with high energy densities and excellent cyclability in rechargeable potassium batteries. <i>Energy Storage Materials</i> , 2020, 28, 47-54.	9.5	32
4	Development of Na_2FePO_4F /Conducting-Polymer composite as an exceptionally high performance cathode material for Na-ion batteries. <i>Journal of Power Sources</i> , 2019, 432, 1-7.	4.0	29
5	Understanding the structural phase transitions in lithium vanadium phosphate cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10331-10336.	5.2	29
6	Unveiling yavapaiite-type $KFe(SO_4)_2$ as a new Fe-based cathode with outstanding electrochemical performance for potassium-ion batteries. <i>Nano Energy</i> , 2019, 66, 104184.	8.2	28
7	Layered Double Hydroxide Quantum Dots for Use in a Bifunctional Separator of Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17978-17987.	4.0	28
8	Selective Anionic Redox and Suppressed Structural Disorder Enabling High-Energy and Long-Life Li-Rich Layered-Oxide Cathode. <i>Advanced Energy Materials</i> , 2021, 11, 2102311.	10.2	25
9	Development of a New Mixed-Polyanion Cathode with Superior Electrochemical Performances for Na-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 163-171.	3.2	20
10	Unexpectedly high electrochemical performances of a monoclinic $Na_{2.4}V_2(PO_4)_3$ /conductive polymer composite for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17571-17578.	5.2	19
11	Exceptionally increased reversible capacity of O3-type $NaCrO_2$ cathode by preventing irreversible phase transition. <i>Energy Storage Materials</i> , 2022, 46, 289-299.	9.5	17
12	$Na_{0.97}KFe(SO_4)_2$: an iron-based sulfate cathode material with outstanding cyclability and power capability for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17095-17100.	5.2	16
13	$Na_2Fe_2F_7$: a fluoride-based cathode for high power and long life Na-ion batteries. <i>Energy and Environmental Science</i> , 2021, 14, 1469-1479.	15.6	16
14	Auto-Oxygenated Porphyrin-Derived Redox Mediators for High-Performance Lithium Air-Breathing Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2103527.	10.2	15
15	The Conversion Chemistry for High-Energy Cathodes of Rechargeable Sodium Batteries. <i>ACS Nano</i> , 2019, 13, 11707-11716.	7.3	13
16	Strategic Approach to Diversify Design Options for Li-Ion Batteries by Utilizing Low-Ni Layered Cathode Materials. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	13
17	High-power rhombohedral- $Fe_2(SO_4)_3$ with outstanding cycle-performance as Fe-based cathode for K-ion batteries. <i>Energy Storage Materials</i> , 2020, 33, 276-282.	9.5	12
18	Highly Stable Fe^{2+}/Ti^{3+} -Based Fluoride Cathode Enabling Low-Cost and High-Performance Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11

#	ARTICLE	IF	CITATIONS
19	Exceptionally high-energy tunnel-type $V_{1.5}Cr_{0.5}O_{4.5}H$ nanocomposite as a novel cathode for Na-ion batteries. <i>Nano Energy</i> , 2020, 77, 105175.	8.2	10
20	Low-cost and high-power $K_{4}[Mn_{2}Fe](PO_{4})_{2}(P_{2}O_{7})$ as a novel cathode with outstanding cyclability for K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9898-9908.	5.2	9
21	$K_{1.5}VOPO_{4}F_{0.5}$: a novel high-power and high-voltage cathode for rechargeable K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11802-11811.	5.2	8
22	Dual lithium storage of Pt electrode: alloying and reversible surface layer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18377-18384.	5.2	7
23	Development of Novel Cathode with Large Lithium Storage Mechanism Based on Pyrophosphate-Based Conversion Reaction for Rechargeable Lithium Batteries. <i>Small Methods</i> , 2020, 4, 1900847.	4.6	5
24	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. <i>Korean Circulation Journal</i> , 2018, 48, 1002.	0.7	4
25	A high-energy conversion-type cathode activated by amorpholization for Li rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 20080-20089.	5.2	4
26	An exceptionally large energy cathode with the SO_{4}^{2-}/Cu conversion reaction for potassium rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5475-5484.	5.2	3
27	Introduction of New Iron Sulfate Cathode Material for Na-Ion Batteries with Great Power-Capability and out Standing Cyclability. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
28	Monoclinic $Na_{2.4}V_{2}(PO_{4})_{3}$ /Conductive Polymer Composite As High Capacity Cathodes for Na-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
29	Strategic Approach to Diversify Design Options for Li-Ion Batteries by Utilizing Low-Ni Layered Cathode Materials (<i>Adv. Energy Mater.</i> 7 2022). <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	0
30	Recent Progress of Cathode Materials for Na-ion batteries. <i>Ceramist</i> , 2022, 25, 76-89.	0.0	0