Tomooki Hosaka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5230549/publications.pdf

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24	2,641	623734	752698
papers	citations	14 h-index	20 g-index

25	25	25	2519
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Research Development on K-Ion Batteries. Chemical Reviews, 2020, 120, 6358-6466.	47.7	804
2	Towards Kâ€Ion and Naâ€Ion Batteries as â€œBeyond Liâ€Ionâ€. Chemical Record, 2018, 18, 459-479.	5.8	665
3	A novel K-ion battery: hexacyanoferrate(<scp>ii</scp>)/graphite cell. Journal of Materials Chemistry A, 2017, 5, 4325-4330.	10.3	396
4	Highly concentrated electrolyte solutions for 4 V class potassium-ion batteries. Chemical Communications, 2018, 54, 8387-8390.	4.1	159
5	Synthesis and electrochemical properties of Na-rich Prussian blue analogues containing Mn, Fe, Co, and Fe for Na-ion batteries. Journal of Power Sources, 2018, 378, 322-330.	7.8	120
6	Polyanionic Compounds for Potassiumâ€Ion Batteries. Chemical Record, 2019, 19, 735-745.	5.8	102
7	Potassium Metal as Reliable Reference Electrodes of Nonaqueous Potassium Cells. Journal of Physical Chemistry Letters, 2019, 10, 3296-3300.	4.6	93
8	Development of KPF₆/KFSA Binary-Salt Solutions for Long-Life and High-Voltage K-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 34873-34881.	8.0	62
9	Application of Ionic Liquid as K-Ion Electrolyte of Graphite//K₂Mn[Fe(CN)₆] Cell. ACS Energy Letters, 2020, 5, 2849-2857.	17.4	51
10	Active material and interphase structures governing performance in sodium and potassium ion batteries. Chemical Science, 2022, 13, 6121-6158.	7.4	41
11	Effect of Particle Size and Anion Vacancy on Electrochemical Potassium Ion Insertion into Potassium Manganese Hexacyanoferrates. ChemSusChem, 2021, 14, 1166-1175.	6.8	31
12	KFSA/glyme electrolytes for 4 V-class K-ion batteries. Journal of Materials Chemistry A, 2020, 8, 23766-23771.	10.3	26
13	Comparison of Ionic Transport Properties of Non-Aqueous Lithium and Sodium Hexafluorophosphate Electrolytes. Journal of the Electrochemical Society, 2021, 168, 040538.	2.9	24
14	1,3,2-Dioxathiolane 2,2-Dioxide as an Electrolyte Additive for K-Metal Cells. ACS Energy Letters, 2021, 6, 3643-3649.	17.4	23
15	Development of Nonaqueous Electrolytes for High-Voltage K-Ion Batteries. Bulletin of the Chemical Society of Japan, 2022, 95, 569-581.	3.2	14
16	A vanadium-based oxide-phosphate-pyrophosphate framework as a 4 V electrode material for K-ion batteries. Chemical Science, 2021, 12, 12383-12390.	7.4	10
17	Superconcentrated NaFSAâ€“KFSA Aqueous Electrolytes for 2 V-Class Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 23507-23517.	8.0	7
18	Effect of Crystallinity of Synthetic Graphite on Electrochemical Potassium Intercalation into Graphite. Electrochemistry, 2021, 89, 433-438.	1.4	5

#	Article	IF	Citations
19	La₂Ni_{0.5}Li_{0.5}O₄ Modified Single Polycrystalline Particles of NMC622 for Improved Capacity Retention in High-Voltage Lithium-Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 110505.	2.9	3
20	Electrode materials for K-ion batteries. , 2023, , 83-127.		3
21	KPF6-KFSA Binary Salt Electrolytes for 4 V-Class Potassium Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
22	2 V-Class Aqueous Multi-Ion Batteries Realized By Superconcentrated Na/K Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
23	(Keynote) Polyanionic Compounds for K-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
24	(Invited) Research Development on K-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 25-25.	0.0	0