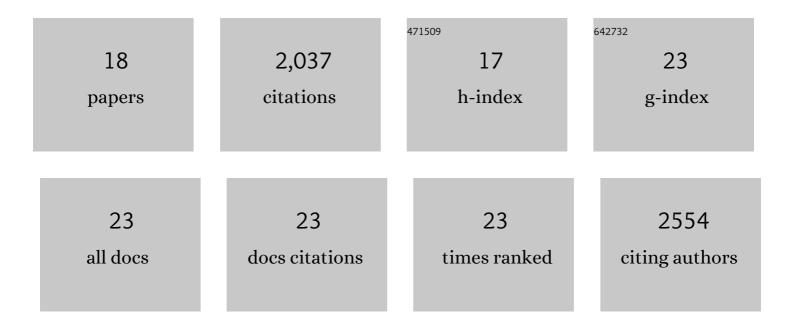
## Hyungyeon Cha

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11653154/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Prospect and Reality of Niâ€Rich Cathode for Commercialization. Advanced Energy Materials, 2018, 8, 1702028.	19.5	574
2	Reactive boride infusion stabilizes Ni-rich cathodes for lithium-ion batteries. Nature Energy, 2021, 6, 362-371.	39.5	274
3	A highly stabilized nickel-rich cathode material by nanoscale epitaxy control for high-energy lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1449-1459.	30.8	213
4	Issues and Challenges Facing Flexible Lithiumâ€ion Batteries for Practical Application. Small, 2018, 14, e1702989.	10.0	152
5	Boosting Reaction Homogeneity in Highâ€Energy Lithiumâ€Ion Battery Cathode Materials. Advanced Materials, 2020, 32, e2003040.	21.0	130
6	Advances and Prospects of Sulfide Allâ€Solidâ€State Lithium Batteries via Oneâ€ŧoâ€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376.	21.0	119
7	Calendering ompatible Macroporous Architecture for Silicon–Graphite Composite toward Highâ€Energy Lithiumâ€Ion Batteries. Advanced Materials, 2020, 32, e2003286.	21.0	111
8	Cyclic Aminosilaneâ€Based Additive Ensuring Stable Electrode–Electrolyte Interfaces in Liâ€lon Batteries. Advanced Energy Materials, 2020, 10, 200012.	19.5	91
9	Controllable Solid Electrolyte Interphase in Nickelâ€Rich Cathodes by an Electrochemical Rearrangement for Stable Lithiumâ€Ion Batteries. Advanced Materials, 2018, 30, 1704309.	21.0	81
10	Improvements to the Overpotential of Allâ€Solidâ€State Lithiumâ€Ion Batteries during the Past Ten Years. Advanced Energy Materials, 2020, 10, 2000904.	19.5	45
11	Postpatterned Electrodes for Flexible Nodeâ€Type Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605773.	21.0	40
12	Flexible 3D Interlocking Lithiumâ€ <del>I</del> on Batteries. Advanced Energy Materials, 2018, 8, 1801917.	19.5	38
13	Scalable Synthesis of Hollow β-SiC/Si Anodes <i>via</i> Selective Thermal Oxidation for Lithium-Ion Batteries. ACS Nano, 2020, 14, 11548-11557.	14.6	32
14	Latticeâ€Oxygenâ€Stabilized Li―and Mnâ€Rich Cathodes with Subâ€Micrometer Particles by Modifying the Excessâ€Li Distribution. Advanced Materials, 2021, 33, e2100352.	21.0	32
15	Surface and Interfacial Chemistry in the Nickelâ€Rich Cathode Materials. Batteries and Supercaps, 2020, 3, 309-322.	4.7	29
16	Building Highâ€Rate Nickelâ€Rich Cathodes by Selfâ€Organization of Structurally Stable Macrovoid. Advanced Science, 2020, 7, 1902844.	11.2	20
17	Metal-Ion Chelating Gel Polymer Electrolyte for Ni-Rich Layered Cathode Materials at a High Voltage and an Elevated Temperature. ACS Applied Materials & amp; Interfaces, 2021, 13, 9965-9974.	8.0	9
18	Lithiumâ€lon Batteries: Cyclic Aminosilaneâ€Based Additive Ensuring Stable Electrode–Electrolyte Interfaces in Liâ€lon Batteries (Adv. Energy Mater. 15/2020). Advanced Energy Materials, 2020, 10, 2070069.	19.5	2