

Jiyoung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5197010/publications.pdf>

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11
papers

1,536
citations

933264

10
h-index

1372474

10
g-index

11
all docs

11
docs citations

11
times ranked

2337
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable synthesis of silicon-nanolayer-embedded graphite for high-energy lithium-ion batteries. Nature Energy, 2016, 1, .	19.8	563
2	Fast-charging high-energy lithium-ion batteries via implantation of amorphous silicon nanolayer in edge-plane activated graphite anodes. Nature Communications, 2017, 8, 812.	5.8	274
3	Micron-sized Fe-Cu-Si ternary composite anodes for high energy Li-ion batteries. Energy and Environmental Science, 2016, 9, 1251-1257.	15.6	147
4	Robust Pitch on Silicon Nanolayer-Embedded Graphite for Suppressing Undesirable Volume Expansion. Advanced Energy Materials, 2019, 9, 1803121.	10.2	107
5	One-to-One Comparison of Graphite-Blended Negative Electrodes Using Silicon Nanolayer-Embedded Graphite versus Commercial Benchmarking Materials for High-Energy Lithium-Ion Batteries. Advanced Energy Materials, 2017, 7, 1700071.	10.2	100
6	Mechanical mismatch-driven rippling in carbon-coated silicon sheets for stress-resilient battery anodes. Nature Communications, 2018, 9, 2924.	5.8	94
7	Towards maximized volumetric capacity via pore-coordinated design for large-volume-change lithium-ion battery anodes. Nature Communications, 2019, 10, 475.	5.8	79
8	Quantification of Pseudocapacitive Contribution in Nanocage-Shaped Silicon-Carbon Composite Anode. Advanced Energy Materials, 2019, 9, 1803480.	10.2	75
9	Fabrication of Lamellar Nanosphere Structure for Effective Stress-Management in Large-Volume-Variation Anodes of High-Energy Lithium-Ion Batteries. Advanced Materials, 2019, 31, e1900970.	11.1	52
10	High energy density anodes using hybrid Li intercalation and plating mechanisms on natural graphite. Energy and Environmental Science, 2020, 13, 3723-3731.	15.6	44
11	Viable post-electrode-engineering for the complete integrity of large-volume-change lithium-ion battery anodes. Journal of Materials Chemistry A, 0, , .	5.2	1