

Damian Goonetilleke

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,484
citations

516215

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500791

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30
all docs

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docs citations

30
times ranked

2466
citing authors

#	ARTICLE	IF	CITATIONS
1	An Initial Review of the Status of Electrode Materials for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602911.	10.2	854
2	Structural Evolution and High-Voltage Structural Stability of Li(Ni _x Mn _y Co _z)O ₂ Electrodes. <i>Chemistry of Materials</i> , 2019, 31, 376-386.	3.2	60
3	High Performance All-Solid-State Batteries with a Ni-Rich NCM Cathode Coated by Atomic Layer Deposition and Lithium Thiophosphate Solid Electrolyte. <i>ACS Applied Energy Materials</i> , 2021, 4, 7338-7345.	2.5	48
4	Advanced Nanoparticle Coatings for Stabilizing Layered Ni-Rich Oxide Cathodes in Solid-State Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	45
5	Activated Carbon from E-Waste Plastics as a Promising Anode for Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10310-10322.	3.2	41
6	Two-Phase Electrochemical Proton Transport and Storage in ϵ -MoO ₃ for Proton Batteries. <i>Cell Reports Physical Science</i> , 2020, 1, 100225.	2.8	40
7	Cycling Performance and Limitations of LiNiO ₂ in Solid-State Batteries. <i>ACS Energy Letters</i> , 2021, 6, 3020-3028.	8.8	39
8	Operando Characterization Techniques for All-Solid-State Lithium-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100004.	2.8	38
9	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700545.	10.2	36
10	Probing the charged state of layered positive electrodes in sodium-ion batteries: reaction pathways, stability and opportunities. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24833-24867.	5.2	29
11	Structural evidence for Mg-doped LiFePO ₄ electrode polarisation in commercial Li-ion batteries. <i>Journal of Power Sources</i> , 2018, 394, 1-8.	4.0	27
12	Sodium insertion/extraction from single-walled and multi-walled carbon nanotubes: The differences and similarities. <i>Journal of Power Sources</i> , 2016, 314, 102-108.	4.0	26
13	Nanostructured LiMnO ₂ with Li ₃ PO ₄ Integrated at the Atomic Scale for High-Energy Electrode Materials with Reversible Anionic Redox. <i>ACS Central Science</i> , 2020, 6, 2326-2338.	5.3	22
14	Combining thermogalvanic corrosion and thermogalvanic redox couples for improved electrochemical waste heat harvesting. <i>Electrochemistry Communications</i> , 2015, 58, 76-79.	2.3	20
15	Correlating cycling history with structural evolution in commercial 26650 batteries using in operando neutron powder diffraction. <i>Journal of Power Sources</i> , 2017, 343, 446-457.	4.0	20
16	SmFeO ₃ and Bi-doped SmFeO ₃ perovskites as an alternative class of electrodes in lithium-ion batteries. <i>CrystEngComm</i> , 2018, 20, 6165-6172.	1.3	17
17	Single step synthesis of W-modified LiNiO ₂ using an ammonium tungstate flux. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7841-7855.	5.2	17
18	Single versus poly-crystalline layered oxide cathode materials for solid-state battery applications - a short review article. <i>Current Opinion in Electrochemistry</i> , 2021, 31, 100877.	2.5	16

