Daniele Di Lecce

List of Publications by Year
in descending order

39	1,273	304743	361022
papers	citations	22 h-index	35 g-index

42	42	42	1523
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of a gold-doped electrode for application in high-performance lithium-sulfur battery. Journal of Energy Chemistry, 2022, 64, 116-128.	12.9	21
2	Glyme-based electrolytes: suitable solutions for next-generation lithium batteries. Green Chemistry, 2022, 24, 1021-1048.	9.0	28
3	A High-Voltage, Multi-Metal LiNi_{0.35}Cu_{0.1}Mn_{1.45}Fe_{0.1}O₄ Spinel Cathode for Lithium Batteries. Journal of the Electrochemical Society, 2021, 168, 030537.	2.9	3
4	2021 roadmap on lithium sulfur batteries. JPhys Energy, 2021, 3, 031501.	5.3	74
5	Synthesis of a High-Capacity Î±-Fe₂O₃@C Conversion Anode and a High-Voltage LiNi_{0.5}Mn_{1.5}O₄ Spinel Cathode and Their Combination in a Li-Ion Battery. ACS Applied Energy Materials, 2021, 4, 8340-8349.	5.1	13
6	Degradation of Layered Oxide Cathode in a Sodium Battery: A Detailed Investigation by Xâ€Ray Tomography at the Nanoscale. Small Methods, 2021, 5, e2100596.	8.6	9
7	Novel Lithiumâ€Sulfur Polymer Battery Operating at Moderate Temperature. ChemElectroChem, 2021, 8, 3971-3981.	3.4	10
8	Investigation of Mn and Fe Substitution Effects on the Characteristics of High-Voltage LiCo_{1â€“x}M_xPO₄ (x = 0.1, 0.4) Cathodes Prepared by Solâ€“gel Route. ACS Sustainable Chemistry and Engineering, 2020, 8, 278-289.	6.7	15
9	Current status and future perspectives of lithium metal batteries. Journal of Power Sources, 2020, 480, 228803.	7.8	109
10	The role of synthesis pathway on the microstructural characteristics of sulfur-carbon composites: X-ray imaging and electrochemistry in lithium battery. Journal of Power Sources, 2020, 472, 228424.	7.8	26
11	Towards a Highâ€Performance Lithiumâ€Metal Battery with Glyme Solution and an Olivine Cathode. ChemElectroChem, 2020, 7, 2344-2344.	3.4	5
12	Investigating high-performance sulfurâ€“metal nanocomposites for lithium batteries. Sustainable Energy and Fuels, 2020, 4, 2907-2923.	4.9	22
13	Towards a Highâ€Performance Lithiumâ€Metal Battery with Glyme Solution and an Olivine Cathode. ChemElectroChem, 2020, 7, 2376-2388.	3.4	11
14	Electrochemical behavior of nanostructured NiO@C anode in a lithium-ion battery using LiNiâ…“Coâ…“Mnâ…“O2 cathode. Journal of Alloys and Compounds, 2020, 844, 155365.	5.5	13
15	Triglyme-based electrolyte for sodium-ion and sodium-sulfur batteries. Ionics, 2019, 25, 3129-3141.	2.4	20
16	Xâ€ray Nanoâ€computed Tomography of Electrochemical Conversion in Lithiumâ€ion Battery. ChemSusChem, 2019, 12, 3550-3561.	6.8	14
17	Glyme-based electrolytes for lithium metal batteries using insertion electrodes: An electrochemical study. Electrochimica Acta, 2019, 306, 85-95.	5.2	14
18	High capacity semi-liquid lithium sulfur cells with enhanced reversibility for application in new-generation energy storage systems. Journal of Power Sources, 2019, 412, 575-585.	7.8	23

#	Article	IF	Citations
19	A Lithiumâ€Ion Battery using a 3â€‰Dâ€Array Nanostructured Grapheneâ€“Sulfur Cathode and a Silicon Oxideâ€Based Anode. ChemSusChem, 2018, 11, 1512-1520.	6.8	46
20	Multiwalled Carbon Nanotubes Anode in Lithium-Ion Battery with LiCoO₂, Li[Ni_{1/3}Co_{1/3}Mn_{1/3}]O₂, and LiFe_{1/4}Mn_{1/2}Co_{1/4}PO₄ Cathodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 3225-3232.	6.7	47
21	A multiple electrolyte concept for lithium-metal batteries. Solid State Ionics, 2018, 316, 66-74.	2.7	13
22	Insight on the Enhanced Reversibility of a Multimetal Layered Oxide for Sodium-Ion Battery. Journal of Physical Chemistry C, 2018, 122, 23925-23933.	3.1	21
23	Lithium Metal Battery Using LiFe_{0.5}Mn_{0.5}PO₄ Olivine Cathode and Pyrrolidinium-Based Ionic Liquid Electrolyte. ACS Omega, 2018, 3, 8583-8588.	3.5	13
24	Lithium sulfur battery exploiting material design and electrolyte chemistry: 3D graphene framework and diglyme solution. Journal of Power Sources, 2018, 397, 102-112.	7.8	37
25	A New CuOâ€Fe₂O₃â€Mesocarbon Microbeads Conversion Anode in a Highâ€Performance Lithiumâ€Ion Battery with a Li_{1.35}Ni_{0.48}Fe_{0.1}Mn_{1.72}O₄ Spinel Cathode. ChemSusChem, 2017, 10, 1607-1615.	6.8	30
26	Physicochemical and electrochemical investigations of the ionic liquid N-butyl -N-methyl-pyrrolidinium 4,5-dicyano-2-(trifluoromethyl)imidazole. Electrochimica Acta, 2017, 232, 586-595.	5.2	6
27	Relevant Features of a Triethylene Glycol Dimethyl Ether-Based Electrolyte for Application in Lithium Battery. ACS Applied Materials & Interfaces, 2017, 9, 17085-17095.	8.0	24
28	Lithium-ion batteries for sustainable energy storage: recent advances towards new cell configurations. Green Chemistry, 2017, 19, 3442-3467.	9.0	205
29	Electrochemical features of LiMnPO4 olivine prepared by sol-gel pathway. Journal of Alloys and Compounds, 2017, 693, 730-737.	5.5	42
30	A High Voltage Olivine Cathode for Application in Lithiumâ€Ion Batteries. ChemSusChem, 2016, 9, 223-230.	6.8	34
31	Rechargeable lithium battery using non-flammable electrolyte based on tetraethylene glycol dimethyl ether and olivine cathodes. Journal of Power Sources, 2016, 334, 146-153.	7.8	46
32	New lithium ion batteries exploiting conversion/alloying anode and LiFe 0.25 Mn 0.5 Co 0.25 PO 4 olivine cathode. Electrochimica Acta, 2016, 220, 384-390.	5.2	14
33	Controlled synthesis of LiCoPO4 by a solvo-thermal method at 220Â°C. Materials Letters, 2015, 145, 324-327.	2.6	40
34	Analysis of the self-discharge process in LiCoPO 4 electrodes: bulks. Electrochimica Acta, 2015, 179, 604-610.	5.2	27
35	A Lithiumâ€Ion Battery based on an Ionic Liquid Electrolyte, Tinâ€“Carbon Nanostructured Anode, and Li₂Oâ€“ZrO₂â€Coated Li[Ni_{0.8}Co_{0.15}Al_{0.05}]O₂ Cathode. Energy Technology, 2015, 3, 632-637.	3.8	27
36	Effect of the iron doping in LiCoPO4 cathode materials for lithium cells. Electrochimica Acta, 2015, 185, 17-27.	5.2	39

#	Article	IF	Citations
37	Lithium Transport Properties in LiMn_{1â^'Î±}Fe_{Î±}PO₄ Olivine Cathodes. Journal of Physical Chemistry C, 2015, 119, 20855-20863.	3.1	63
38	A Gelâ€"Polymer Snâ€"C/LiMn_{0.5}Fe_{0.5}PO₄ Battery Using a Fluorine-Free Salt. ACS Applied Materials & Interfaces, 2015, 7, 21198-21207.	8.0	29
39	A new Sn-C/LiFe0.1Co0.9PO4 full lithium-ion cell with ionic liquid-based electrolyte. Materials Letters, 2015, 139, 329-332.	2.6	33