Daniel Barraco

List of Publications by Year
in descending order

10 papers	106 citations	1307594 7 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	145 citing authors

#	Article	IF	Citations
1	Activated carbon from pyrolysis of peanut shells as cathode for lithium-sulfur batteries. Biomass and Bioenergy, 2021, 146, 105971.	5.7	25
2	Modeling of substitutionally modified graphene structures to prevent the shuttle mechanism in lithium-sulfur batteries. Electrochimica Acta, 2019, 309, 402-414.	5.2	21
3	First-Principles studies of silicon underpotential deposition on defective graphene and its relevance for lithium-ion battery materials. Electrochimica Acta, 2016, 208, 92-101.	5.2	14
4	Composite polymer electrolyte with high inorganic additive contents to enable metallic lithium anode. Electrochimica Acta, 2022, 404, 139772.	5.2	12
5	The energy concept and the binding energy in a class of scalar–tensor theories of gravity. Classical and Quantum Gravity, 1994, 11, 2113-2126.	4.0	9
6	On the role of oxidized graphene interfaces in lithium sulfur batteries: Thermodynamic and kinetic aspects using density functional theory. Applied Surface Science, 2021, 550, 149358.	6.1	8
7	Improving the polysulfide barrier by efficient carbon nanofibers coating on separator/cathode for Li-S batteries. Journal of Solid State Electrochemistry, 2020, 24, 2341-2351.	2.5	7
8	New kinetic insight into the spontaneous oxidation process of lithium in air by EPMA. Applied Surface Science, 2016, 383, 64-70.	6.1	4
9	Characterization of amorphous Li_xSi structures from ReaxFF via accelerated exploration of local minima. Physical Chemistry Chemical Physics, 2021, 23, 16776-16784.	2.8	4
10	A Theorem Relating Solutions of a Fourth-Order Theory of Gravity to General Relativity. General Relativity and Gravitation, 1999, 31, 213-218.	2.0	2