Mario Marinaro

List of Publications by Year
in descending order

41 papers	1,128 citations	331670 21 h-index	395702 33 g-index
42 all docs	42 docs citations	42 times ranked	1665 citing authors

#	Article	IF	Citations
1	Suitability of Carbazolyl Hauser and Turboâ€Hauser Bases as Magnesiumâ€Based Electrolytes. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	6
2	Sodium Cyclopentadienide as a New Type of Electrolyte for Sodium Batteries. ChemElectroChem, 2021, 8, 365-369.	3.4	1
3	Through the Maze of Multivalentâ€Ion Batteries: A Critical Review on the Status of the Research on Cathode Materials for Mg²⁺ and Ca²⁺ Ions Insertion. Batteries and Supercaps, 2021, 4, 1221-1251.	4.7	24
4	On the Electrochemical Insertion of Mg²⁺in Na₇V₄(P₂O₇)₄(PO₄) and Na₃V₂(PO₄)₃ Host Materials. Journal of the Electrochemical Society, 2021, 168, 120541.	2.9	3
5	Mechanical behavior of Silicon-Graphite pouch cells under external compressive load: Implications and opportunities for battery pack design. Journal of Power Sources, 2020, 451, 227774.	7.8	31
6	Stripping and Plating a Magnesium Metal Anode in Bromideâ€Based Nonâ€Nucleophilic Electrolytes. ChemSusChem, 2020, 13, 3530-3538.	6.8	18
7	Bringing forward the development of battery cells for automotive applications: Perspective of R&D activities in China, Japan, the EU and the USA. Journal of Power Sources, 2020, 459, 228073.	7.8	109
8	Effect of Salt Concentration, Solvent Donor Number and Coordination Structure on the Variation of the Li/Li+ Potential in Aprotic Electrolytes. Energies, 2020, 13, 1470.	3.1	7
9	Study of the Binder Influence on Expansion/Contraction Behavior of Silicon Alloy Negative Electrodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 160537.	2.9	17
10	Influence of Li-Salt Concentration on Redox Potential of Lithium Metal and Electrochemistry of Ferrocene in DMSO-Based Electrolytes. Journal of the Electrochemical Society, 2019, 166, A1574-A1579.	2.9	25
11	Analysis of the effect of applying external mechanical pressure on next generation silicon alloy lithium-ion cells. Electrochimica Acta, 2019, 306, 387-395.	5.2	52
12	Incremental Pressure Curves to Assess Capacity Fade in Next-Generation Li-Ion Pouch Cells. , 2019, , .		0
13	Addressing the energy sustainability of biowaste-derived hard carbon materials for battery electrodes. Green Chemistry, 2018, 20, 1527-1537.	9.0	32
14	Comprehensive Aging Analysis of Volumetric Constrained Lithium-Ion Pouch Cells with High Concentration Silicon-Alloy Anodes. Energies, 2018, 11, 2948.	3.1	39
15	Electrical Characterization and Micro X-ray Computed Tomography Analysis of Next-Generation Silicon Alloy Lithium-Ion Cells. World Electric Vehicle Journal, 2018, 9, 43.	3.0	19
16	Influence of the Molecular Weight of Polyâ€Acrylic Acid Binder on Performance of Siâ€Alloy/Graphite Composite Anodes for Lithiumâ€Ion Batteries. Energy Technology, 2018, 6, 2256-2263.	3.8	24
17	Electrocatalytic Oxygen Reduction and Oxygen Evolution in Mgâ€Free and Mgâ€“Containing Ionic Liquid 1â€Butylâ€1â€Methylpyrrolidinium Bis (Trifluoromethanesulfonyl) Imide. ChemElectroChem, 2018, 5, 2600-2611.	3.4	10
18	Improved Liâ€“Metal Cycling Performance in High Concentrated Electrolytes for Liâ€O₂ Batteries. ChemElectroChem, 2018, 5, 2758-2766.	3.4	19

#	Article	IF	Citations
19	Electrochemical Formation and Characterization of Surface Blocking Layers on Gold and Platinum by Oxygen Reduction in Mg(ClO₄)₂in DMSO. Journal of the Electrochemical Society, 2018, 165, A2037-A2046.	2.9	10
20	Communicationâ€"Quantitative Analysis of Consumption of Fluoroethylene Carbonate Additives on Silicon Alloy Anodes. Journal of the Electrochemical Society, 2018, 165, A2467-A2469.	2.9	18
21	Investigation of the Electrochemical Oxygen Reduction Reaction in Non-Aqueous, Magnesium-Ion-Containing Electrolytes for Magnesium Air Batteries. ECS Transactions, 2017, 75, 3-12.	0.5	3
22	High performance 1.2ÂAh Si-alloy/Graphite|LiNi 0.5 Mn 0.3 Co 0.2 O 2 prototype Li-ion battery. Journal of Power Sources, 2017, 357, 188-197.	7.8	44
23	A new approach for compensating the irreversible capacity loss of high-energy Si/C|LiNi0.5Mn1.5O4 lithium-ion batteries. Journal of Power Sources, 2017, 351, 35-44.	7.8	80
24	Study of Water-Based Lithium Titanate Electrode Processing: The Role of pH and Binder Molecular Structure. Polymers, 2016, 8, 276.	4.5	40
25	Magnesoceneâ€Based Electrolytes: A New Class of Electrolytes for Magnesium Batteries. Angewandte Chemie, 2016, 128, 15182-15186.	2.0	11
26	Toward pre-lithiatied high areal capacity silicon anodes for Lithium-ion batteries. Electrochimica Acta, 2016, 206, 99-107.	5.2	61
27	Magnesoceneâ€Based Electrolytes: A New Class of Electrolytes for Magnesium Batteries. Angewandte Chemie - International Edition, 2016, 55, 14958-14962.	13.8	39
28	Probing the characteristics of casein as green binder for non-aqueous electrochemical double layer capacitors' electrodes. Journal of Power Sources, 2016, 326, 672-679.	7.8	24
29	Importance of Reaction Kinetics and Oxygen Crossover in aprotic Liâ€"O₂ Batteries Based on a Dimethyl Sulfoxide Electrolyte. ChemSusChem, 2015, 8, 3139-3145.	6.8	31
30	Study on the stability of Li2MnSiO4 cathode material in different electrolyte systems for Li-ion batteries. Electrochimica Acta, 2015, 176, 679-688.	5.2	12
31	Au-coated carbon electrodes for aprotic Liâ€"O2 batteries with extended cycle life: The key issue of the Li-ion source. Journal of Power Sources, 2015, 278, 156-162.	7.8	17
32	TiO₂ Nanoparticles for Li-Ion Battery Anodes: Mitigation of Growth and Irreversible Capacity Using LiOH and NaOH. Chemistry of Materials, 2015, 27, 119-126.	6.7	25
33	An <i>In Situ</i> SEM-FIB-Based Method for Contrast Enhancement and Tomographic Reconstruction for Structural Quantification of Porous Carbon Electrodes. Microscopy and Microanalysis, 2014, 20, 1576-1580.	0.4	13
34	High-stability graphene nano sheets/SnO2 composite anode for lithium ion batteries. Electrochimica Acta, 2014, 137, 228-234.	5.2	51
35	Au-coated carbon cathodes for improved oxygen reduction and evolution kinetics in aprotic Liâ€"O2 batteries. Electrochemistry Communications, 2013, 37, 53-56.	4.7	20
36	Microwave-assisted synthesis of carbon (Super-P) supported copper nanoparticles as conductive agent for Li4Ti5O12 anodes for Lithium-ion batteries. Electrochimica Acta, 2013, 89, 555-560.	5.2	22

#	Article	IF	Citations
37	A newly designed Cu/Super-P composite for the improvement of low-temperature performances of graphite anodes for lithium-ion batteries. Journal of Power Sources, 2013, 222, 66-71.	7.8	32
38	New insights about the stability of lithium bis(trifluoromethane)sulfonimide-tetraglyme as electrolyte for Liâ€“O2 batteries. Electrochimica Acta, 2013, 108, 795-800.	5.2	32
39	Improved low-temperature electrochemical performance of Li4Ti5O12 composite anodes for Li-ion batteries. Electrochimica Acta, 2013, 109, 207-213.	5.2	36
40	Electrochemical and electron microscopic characterization of Super-P based cathodes for Liâ€“O₂ batteries. Beilstein Journal of Nanotechnology, 2013, 4, 665-670.	2.8	10
41	Low temperature behaviour of TiO2 rutile as negative electrode material for lithium-ion batteries. Journal of Power Sources, 2011, 196, 9825-9829.	7.8	61