

# Luis Estevez

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

2,791  
citations

394421

19  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

5711  
citing authors

#	ARTICLE	IF	CITATIONS
1	High efficiency nanocomposite sorbents for CO <sub>2</sub> capture based on amine-functionalized mesoporous capsules. <i>Energy and Environmental Science</i> , 2011, 4, 444-452.	30.8	446
2	Non-encapsulation approach for high-performance Li-S batteries through controlled nucleation and growth. <i>Nature Energy</i> , 2017, 2, 813-820.	39.5	326
3	Self-Assembled Fe-Doped Carbon Nanotube Aerogels with Single-Atom Catalyst Feature as High-Efficiency Oxygen Reduction Electrocatalysts. <i>Small</i> , 2017, 13, 1603407.	10.0	254
4	Effect of calcination temperature on the electrochemical properties of nickel-rich LiNi <sub>0.76</sub> Mn <sub>0.14</sub> Co <sub>0.10</sub> O <sub>2</sub> cathodes for lithium-ion batteries. <i>Nano Energy</i> , 2018, 49, 538-548.	16.0	213
5	Multifunctional Graphene/Platinum/Nafion Hybrids via Ice Templating. <i>Journal of the American Chemical Society</i> , 2011, 133, 6122-6125.	13.7	207
6	Facile and Scalable Synthesis of Monodispersed Spherical Capsules with a Mesoporous Shell. <i>Chemistry of Materials</i> , 2010, 22, 2693-2695.	6.7	205
7	A novel approach to synthesize micrometer-sized porous silicon as a high performance anode for lithium-ion batteries. <i>Nano Energy</i> , 2018, 50, 589-597.	16.0	191
8	A facile approach for the synthesis of monolithic hierarchical porous carbons as high performance materials for amine based CO <sub>2</sub> capture and supercapacitor electrode. <i>Energy and Environmental Science</i> , 2013, 6, 1785.	30.8	181
9	Pore-Engineered Metal-Organic Frameworks with Excellent Adsorption of Water and Fluorocarbon Refrigerant for Cooling Applications. <i>Journal of the American Chemical Society</i> , 2017, 139, 10601-10604.	13.7	128
10	3D conducting polymer platforms for electrical control of protein conformation and cellular functions. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5040-5048.	5.8	116
11	A Stable Graphitic, Nanocarbon-Encapsulated, Cobalt-Rich Core-Shell Electrocatalyst as an Oxygen Electrode in a Water Electrolyzer. <i>Advanced Energy Materials</i> , 2018, 8, 1702838.	19.5	113
12	Hierarchically Porous Carbon Materials for CO <sub>2</sub> Capture: The Role of Pore Structure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 1262-1268.	3.7	83
13	Hierarchically Porous Graphitic Carbon with Simultaneously High Surface Area and Colossal Pore Volume Engineered via Ice Templating. <i>ACS Nano</i> , 2017, 11, 11047-11055.	14.6	69
14	Solid-State Lithium/Selenium-Sulfur Chemistry Enabled via a Robust Solid-Electrolyte Interphase. <i>Advanced Energy Materials</i> , 2019, 9, 1802235.	19.5	63
15	Tailored Reaction Route by Micropore Confinement for Li-S Batteries Operating under Lean Electrolyte Conditions. <i>Advanced Energy Materials</i> , 2018, 8, 1800590.	19.5	55
16	Superhydrophilic and solvent resistant coatings on polypropylene fabrics by a simple deposition process. <i>Journal of Materials Chemistry</i> , 2010, 20, 1651.	6.7	35
17	A combined salt-hard templating approach for synthesis of multi-modal porous carbons used for probing the simultaneous effects of porosity and electrode engineering on EDLC performance. <i>Carbon</i> , 2015, 87, 29-43.	10.3	29
18	A plasmonic fluid with dynamically tunable optical properties. <i>Journal of Materials Chemistry</i> , 2009, 19, 8728.	6.7	24

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19	In situ generation of carbon dots within a polymer matrix. <i>Polymer</i> , 2020, 188, 122159.	3.8	24
20	Dramatic photoluminescence quenching in carbon dots induced by cyclic voltammetry. <i>Chemical Communications</i> , 2018, 54, 9067-9070.	4.1	15
21	Water Electrolysis: A Stable Graphitic, Nanocarbon-Encapsulated, Cobalt-Rich Core-Shell Electrocatalyst as an Oxygen Electrode in a Water Electrolyzer ( <i>Adv. Energy Mater.</i> 14/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870065.	19.5	7
22	Structure-Property Correlation of Hierarchically Porous Carbons for Fluorocarbon Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54266-54273.	8.0	7