Ezequiel de la Llave

List of Publications by Year
in descending order

27 papers	1,444 citations	394421 19 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	2499 citing authors

#	Article	IF	Citations
1	Freezing, melting and structure of ice in a hydrophilic nanopore. Physical Chemistry Chemical Physics, 2010, 12, 4124.	2.8	259
2	Improving Energy Density and Structural Stability of Manganese Oxide Cathodes for Na-Ion Batteries by Structural Lithium Substitution. Chemistry of Materials, 2016, 28, 9064-9076.	6.7	191
3	Comparison between Na-Ion and Li-Ion Cells: Understanding the Critical Role of the Cathodes Stability and the Anodes Pretreatment on the Cells Behavior. ACS Applied Materials & Interfaces, 2016, 8, 1867-1875.	8.0	138
4	Reviewâ€"Development of Advanced Rechargeable Batteries: A Continuous Challenge in the Choice of Suitable Electrolyte Solutions. Journal of the Electrochemical Society, 2015, 162, A2424-A2438.	2.9	137
5	Melting and Crystallization of Ice in Partially Filled Nanopores. Journal of Physical Chemistry B, 2011, 115, 14196-14204.	2.6	76
6	A Surface Effect Allows HNO/NO Discrimination by a Cobalt Porphyrin Bound to Gold. Inorganic Chemistry, 2010, 49, 6955-6966.	4.0	63
7	Structure, Dynamics, and Phase Behavior of Water in TiO₂ Nanopores. Journal of Physical Chemistry C, 2013, 117, 3330-3342.	3.1	63
8	Self-Assembled Monolayers of NH₂-Terminated Thiolates: Order, pK_a, and Specific Adsorption. Langmuir, 2013, 29, 5351-5359.	3.5	54
9	Organization of Alkane Amines on a Gold Surface: Structure, Surface Dipole, and Electron Transfer. Journal of Physical Chemistry C, 2014, 118, 468-475.	3.1	49
10	Water filling of hydrophilic nanopores. Journal of Chemical Physics, 2010, 133, 034513.	3.0	44
11	Selenium-Based Self-Assembled Monolayers: The Nature of Adsorbateâ^'Surface Interactions. Langmuir, 2010, 26, 173-178.	3.5	40
12	Molecular and electronic structure of electroactive self-assembled monolayers. Journal of Chemical Physics, 2013, 138, 114707.	3.0	40
13	Binding between Carbon and the Au(111) Surface and What Makes It Different from the Sâ^'Au(111) Bond. Journal of Physical Chemistry C, 2008, 112, 17611-17617.	3.1	35
14	Electrochemical performance of Na_{0.6}[Li_{0.2}Ni_{0.2}Mn_{0.6}]O₂ cathodes with high-working average voltage for Na-ion batteries. Journal of Materials Chemistry A, 2017, 5, 5858-5864.	10.3	35
15	Role of Confinement and Surface Affinity on Filling Mechanisms and Sorption Hysteresis of Water in Nanopores. Journal of Physical Chemistry C, 2012, 116, 1833-1840.	3.1	31
16	Feasibility of Full (Li-Ion)â€"O₂ Cells Comprised of Hard Carbon Anodes. ACS Applied Materials & Interfaces, 2017, 9, 4352-4361.	8.0	31
17	Electrochemical and Diffusional Investigation of Na₂Fe^{II}PO₄F Fluorophosphate Sodium Insertion Material Obtained from Fe^{III} Precursor. ACS Applied Materials & Interfaces, 2017, 9, 34961-34969.	8.0	28
18	Adsorption of Râ^'OH Molecules on TiO₂ Surfaces at the Solidâ^'Liquid Interface. Langmuir, 2011, 27, 2411-2419.	3.5	27

#	Article	IF	Citations
19	Bimodal mesoporous hard carbons from stabilized resorcinol-formaldehyde resin and silica template with enhanced adsorption capacity. Chemical Engineering Journal, 2019, 360, 631-644.	12.7	22
20	Electrochemical stability of glyme-based electrolytes for Liâ€“O₂ batteries studied by in situ infrared spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 16615-16623.	2.8	18
21	Electrochemistry of Os(2,2â€²-bpy)2ClPyCH2NHCOPh tethered to Au electrodes by Sâ€“Au and Câ€“Au junctions. Physical Chemistry Chemical Physics, 2011, 13, 5336.	2.8	17
22	Molecular and Electronic Structure of Self-Assembled Monolayers Containing Ruthenium(II) Complexes on Gold Surfaces. Journal of Physical Chemistry C, 2014, 118, 21420-21427.	3.1	16
23	Molecular and electronic structure of osmium complexes confined to Au(111) surfaces using a self-assembled molecular bridge. Journal of Chemical Physics, 2015, 143, 184703.	3.0	7
24	Publisher's Note: Reviewâ€”Development of Advanced Rechargeable Batteries: A Continuous Challenge in the Choice of Suitable Electrolyte Solutions [J. Electrochem. Soc.,162, A2424 (2015)]. Journal of the Electrochemical Society, 2017, 164, X5-X5.	2.9	7
25	Effect of the carbon mesoporous structure on the transport properties of confined lithium chloride aqueous solutions. Microporous and Mesoporous Materials, 2021, 323, 111255.	4.4	6
26	A simple three step method for selective placement of organic groups in mesoporous silica thin films. Materials Chemistry and Physics, 2016, 169, 82-88.	4.0	5
27	Effect of Hierarchical Porosity on PMo₁₂ Adsorption and Capacitance in Hybrid Carbonâ€“PMo₁₂ Electrodes for Supercapacitors. Energy & Fuels, 2022, 36, 3987-3996.	5.1	5