

João Paulo Trigueiro

List of Publications by Year in descending order

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22
papers

790
citations

471509

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677142

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22
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times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving supercapacitor capacitance by using a novel gel nanocomposite polymer electrolyte based on nanostructured SiO ₂ , PVDF and imidazolium ionic liquid. <i>Electrochimica Acta</i> , 2016, 188, 809-817.	5.2	101
2	Supercapacitors based on modified graphene electrodes with poly(ionic liquid). <i>Journal of Power Sources</i> , 2014, 256, 264-273.	7.8	74
3	Purity Evaluation of Carbon Nanotube Materials by Thermogravimetric, TEM, and SEM Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3477-3486.	0.9	72
4	A highly adhesive PIL/IL gel polymer electrolyte for use in flexible solid state supercapacitors. <i>Electrochimica Acta</i> , 2019, 299, 789-799.	5.2	63
5	Hybrid 2D nanostructures for mechanical reinforcement and thermal conductivity enhancement in polymer composites. <i>Composites Science and Technology</i> , 2018, 159, 103-110.	7.8	55
6	Nanocomposites of Graphene Nanosheets/Multiwalled Carbon Nanotubes as Electrodes for In-plane Supercapacitors. <i>Electrochimica Acta</i> , 2016, 187, 312-322.	5.2	51
7	Hybrid MoS ₂ /h-BN Nanofillers As Synergic Heat Dissipation and Reinforcement Additives in Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24485-24492.	8.0	38
8	Layer-by-layer assembled films of multi-walled carbon nanotubes with chitosan and cellulose nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 214-220.	9.4	36
9	Thermodynamic Study of Methylene Blue Adsorption on Carbon Nanotubes Using Isothermal Titration Calorimetry: A Simple and Rigorous Approach. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 729-737.	1.9	35
10	Insights on the Behavior of Imidazolium Ionic Liquids as Electrolytes in Carbon-Based Supercapacitors: An Applied Electrochemical Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15818-15830.	3.1	34
11	Solid state double layer capacitor based on a polyether polymer electrolyte blend and nanostructured carbon black electrode composites. <i>Journal of Power Sources</i> , 2008, 177, 652-659.	7.8	33
12	Polymeric nanomaterials as electrolyte and electrodes in supercapacitors. <i>Nano Research</i> , 2009, 2, 733-739.	10.4	29
13	Enhanced thermal conductivity and mechanical properties of hybrid MoS ₂ /h-BN polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46560.	2.6	29
14	Waste-polystyrene foams-derived magnetic carbon material for adsorption and redox supercapacitor applications. <i>Journal of Cleaner Production</i> , 2021, 313, 127903.	9.3	28
15	Graphene oxide “ Ionic liquid composite electrolytes for safe and high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 259, 783-792.	5.2	26
16	Higher thermal conductivity and mechanical enhancements in hybrid 2D polymer nanocomposites. <i>Polymer Testing</i> , 2020, 87, 106510.	4.8	23
17	PIL/IL gel polymer electrolytes: The influence of the IL ions on the properties of solid-state supercapacitors. <i>European Polymer Journal</i> , 2018, 108, 452-460.	5.4	20
18	The effect of debris on the adsorption and electron-transfer capacity at the interface of oxidized carbon nanotubes. <i>Chemical Engineering Journal</i> , 2020, 388, 124379.	12.7	16

#	ARTICLE	IF	CITATIONS
19	Poly(3-hexylthiophene)-multi-walled carbon nanotube (1:1) hybrids: Structure and electrochemical properties. <i>Electrochimica Acta</i> , 2016, 209, 111-120.	5.2	15
20	Carbon nanotube/dendrimer hybrids as electrodes for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1991-2000.	2.5	8
21	Polymer Blend for Electrolyte and Electrode Coatings. <i>Macromolecular Symposia</i> , 2005, 229, 160-167.	0.7	3
22	Thermochromism in Polydiacetylene/Poly(vinyl alcohol) Hydrogels Obtained by the Freeze-Thaw Method: A Theoretical and Experimental Study. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13243-13252.	3.7	1