JoÃ£o Nunes-Pereira

List of Publications by Year
in descending order

45 papers	2,238 citations	218381 26 h-index	288905 40 g-index
45 all docs	45 docs citations	45 times ranked	2947 citing authors

#	Article	IF	Citations
1	Parametric optimization of surface dielectric barrier discharge actuators for ice sensing application. Sensors and Actuators A: Physical, 2022, 335, 113391.	2.0	14
2	Improved performance of polyimide Cirlexâ€based dielectric barrier discharge plasma actuators for flow control. Polymers for Advanced Technologies, 2022, 33, 1278-1290.	1.6	4
3	High deformation multifunctional composites. , 2021, , 317-350.		1
4	Comparative Evaluation of Dielectric Materials for Plasma Actuators Active Flow Control and Heat Transfer Applications. , 2021, , .		6
5	Property characterization and numerical modelling of the thermal conductivity of CaZrO3-MgO ceramic composites. Journal of the European Ceramic Society, 2021, 41, 7241-7252.	2.8	9
6	Effect of Polymer Dissolution Temperature and Conditioning Time on the Morphological and Physicochemical Characteristics of Poly(Vinylidene Fluoride) Membranes Prepared by Non-Solvent Induced Phase Separation. Polymers, 2021, 13, 4062.	2.0	2
7	Modelling of elastic modulus of CaZrO3-MgO composites using isotropic elastic and anisotropic models. Journal of the European Ceramic Society, 2020, 40, 5882-5890.	2.8	5
8	Synthetic polymer-based membranes for lithium-ion batteries. , 2020, , 383-415.		1
9	Antimicrobial and Antibiofilm Properties of Fluorinated Polymers with Embedded Functionalized Nanodiamonds. ACS Applied Polymer Materials, 2020, 2, 5014-5024.	2.0	11
10	Microstructural, mechanical and biological properties of hydroxyapatite - CaZrO3 biocomposites. Ceramics International, 2019, 45, 8195-8203.	2.3	18
11	Recent Progress on Piezoelectric, Pyroelectric, and Magnetoelectric Polymerâ€Based Energyâ€Harvesting Devices. Energy Technology, 2019, 7, 1800852.	1.8	84
12	Mesoporous poly(vinylidene fluoride-co-trifluoroethylene) membranes for lithium-ion battery separators. Electrochimica Acta, 2019, 301, 97-106.	2.6	26
13	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. Polymer, 2019, 169, 138-147.	1.8	51
14	Poly(vinylidene fluoride) composites with carbon nanotubes decorated with metal nanoparticles. Composites Part B: Engineering, 2018, 142, 1-8.	5.9	27
15	Evaluation of the Physicochemical Properties and Active Response of Piezoelectric Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock Chemistry C, 2018, 122, 11433-11441.	1.5	8
16	Electroactive poly(vinylidene fluoride)-based structures for advanced applications. Nature Protocols, 2018, 13, 681-704.	5.5	466
17	Highly efficient removal of fluoride from aqueous media through polymer composite membranes. Separation and Purification Technology, 2018, 205, 1-10.	3.9	32
18	3.9 Piezoelectric Energy Production. , 2018, , 380-415.		9

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19	Membranes based on polymer miscibility for selective transport and separation of metallic ions. Journal of Hazardous Materials, 2017, 336, 188-194.	6.5	36
20	Nanodiamonds/poly(vinylidene fluoride) composites for tissue engineering applications. Composites Part B: Engineering, 2017, 111, 37-44.	5.9	52
21	High-performance graphene-based carbon nanofiller/polymer composites for piezoresistive sensor applications. Composites Science and Technology, 2017, 153, 241-252.	3.8	86
22	A green solvent strategy for the development of piezoelectric poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (fluorideâ€“ 104, 183-189.	3.3	42
23	Poly(vinylidene fluoride-hexafluoropropylene)/bayerite composite membranes for efficient arsenic removal from water. Materials Chemistry and Physics, 2016, 183, 430-438.	2.0	41
24	Optimization of filler type within poly(vinylidene fluoride-co-trifluoroethylene) composite separator membranes for improved lithium-ion battery performance. Composites Part B: Engineering, 2016, 96, 94-102.	5.9	48
25	Poly(vinylidene fluoride) and copolymers as porous membranes for tissue engineering applications. Polymer Testing, 2015, 44, 234-241.	2.3	99
26	Polymer composites and blends for battery separators: State of the art, challenges and future trends. Journal of Power Sources, 2015, 281, 378-398.	4.0	211
27	Energy harvesting performance of BaTiO3/poly(vinylidene fluorideâ€“trifluoroethylene) spin coated nanocomposites. Composites Part B: Engineering, 2015, 72, 130-136.	5.9	96
28	Effect of the degree of porosity on the performance of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (fluoride-trifluoroet Solid State Ionics, 2015, 280, 1-9.	1.3	33
29	Physicochemical properties of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium ion battery applications: Influence of poly(ethylene oxide) molecular weight. Solid State Ionics, 2014, 268, 54-67.	1.3	32
30	Microstructural variations of poly(vinylidene fluoride co-hexafluoropropylene) and their influence on the thermal, dielectric and piezoelectric properties. Polymer Testing, 2014, 40, 245-255.	2.3	84
31	Influence of the porosity degree of poly(vinylidene fluoride-co-hexafluoropropylene) separators in the performance of Li-ion batteries. Journal of Power Sources, 2014, 263, 29-36.	4.0	37
32	Li-ion battery separator membranes based on barium titanate and poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (fluoride 276-284.	2.6	25
33	Microporous membranes of NaY zeolite/poly(vinylidene fluorideâ€“trifluoroethylene) for Li-ion battery separators. Journal of Electroanalytical Chemistry, 2013, 689, 223-232.	1.9	66
34	Li-ion battery separator membranes based on poly(vinylidene fluoride-trifluoroethylene)/carbon nanotube composites. Solid State Ionics, 2013, 249-250, 63-71.	1.3	24
35	Energy harvesting performance of piezoelectric electrospun polymer fibers and polymer/ceramic composites. Sensors and Actuators A: Physical, 2013, 196, 55-62.	2.0	138
36	Novel poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blends for battery separators in lithium-ion applications. Electrochimica Acta, 2013, 88, 473-476.	2.6	39

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37	Effect of fiber orientation in gelled poly(vinylidene fluoride) electrospun membranes for Li-ion battery applications. Journal of Materials Science, 2013, 48, 6833-6840.	1.7	20
38	Effect of Poly (Ethylene Oxide) Molecular Weight on the Performance of Poly(Vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (F Meeting Abstracts, 2013, , .	0.0	0
39	Porous Membranes of Montmorillonite/Poly(vinylidene fluorideâ€trifluorethylene) for Liâ€Ion Battery Separators. Electroanalysis, 2012, 24, 2147-2156.	1.5	55
40	Fiber average size and distribution dependence on the electrospinning parameters of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Science and Processing, 2012, 109, 685-691.	1.1	39
41	The effect of nanotube surface oxidation on the electrical properties of multiwall carbon nanotube/poly(vinylidene fluoride) composites. Journal of Materials Science, 2012, 47, 8103-8111.	1.7	32
42	Microporous Poly(Vinylidene Fluoride â€" Trifluoroethylene)/Zeolite Membranes for Lithium-Ion Battery Applications. Procedia Engineering, 2012, 44, 983-984.	1.2	1
43	Piezoresistive effect in spin-coated polyaniline thin films. Journal of Polymer Research, 2012, 19, 1.	1.2	26
44	Effect of the carbon nanotube surface characteristics on the conductivity and dielectric constant of carbon nanotube/poly(vinylidene fluoride) composites. Nanoscale Research Letters, 2011, 6, 302.	3.1	50
45	The piezoresistive effect in polypropyleneâ€"carbon nanofibre composites obtained by shear extrusion. Smart Materials and Structures, 2010, 19, 065013.	1.8	52