

João Nunes-Pereira

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5279183/publications.pdf>

Version: 2024-02-01

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	Electroactive poly(vinylidene fluoride)-based structures for advanced applications. <i>Nature Protocols</i> , 2018, 13, 681-704.	5.5	466
2	Polymer composites and blends for battery separators: State of the art, challenges and future trends. <i>Journal of Power Sources</i> , 2015, 281, 378-398.	4.0	211
3	Energy harvesting performance of piezoelectric electrospun polymer fibers and polymer/ceramic composites. <i>Sensors and Actuators A: Physical</i> , 2013, 196, 55-62.	2.0	138
4	Poly(vinylidene fluoride) and copolymers as porous membranes for tissue engineering applications. <i>Polymer Testing</i> , 2015, 44, 234-241.	2.3	99
5	Energy harvesting performance of BaTiO ₃ /poly(vinylidene fluoride-trifluoroethylene) spin coated nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 72, 130-136.	5.9	96
6	High-performance graphene-based carbon nanofiller/polymer composites for piezoresistive sensor applications. <i>Composites Science and Technology</i> , 2017, 153, 241-252.	3.8	86
7	Microstructural variations of poly(vinylidene fluoride-co-hexafluoropropylene) and their influence on the thermal, dielectric and piezoelectric properties. <i>Polymer Testing</i> , 2014, 40, 245-255.	2.3	84
8	Recent Progress on Piezoelectric, Pyroelectric, and Magnetoelectric Polymer-Based Energy Harvesting Devices. <i>Energy Technology</i> , 2019, 7, 1800852.	1.8	84
9	Microporous membranes of NaY zeolite/poly(vinylidene fluoride-trifluoroethylene) for Li-ion battery separators. <i>Journal of Electroanalytical Chemistry</i> , 2013, 689, 223-232.	1.9	66
10	Porous Membranes of Montmorillonite/Poly(vinylidene fluoride-trifluoroethylene) for Li-ion Battery Separators. <i>Electroanalysis</i> , 2012, 24, 2147-2156.	1.5	55
11	The piezoresistive effect in polypropylene-carbon nanofibre composites obtained by shear extrusion. <i>Smart Materials and Structures</i> , 2010, 19, 065013.	1.8	52
12	Nanodiamonds/poly(vinylidene fluoride) composites for tissue engineering applications. <i>Composites Part B: Engineering</i> , 2017, 111, 37-44.	5.9	52
13	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. <i>Polymer</i> , 2019, 169, 138-147.	1.8	51
14	Effect of the carbon nanotube surface characteristics on the conductivity and dielectric constant of carbon nanotube/poly(vinylidene fluoride) composites. <i>Nanoscale Research Letters</i> , 2011, 6, 302.	3.1	50
15	Optimization of filler type within poly(vinylidene fluoride-co-trifluoroethylene) composite separator membranes for improved lithium-ion battery performance. <i>Composites Part B: Engineering</i> , 2016, 96, 94-102.	5.9	48
16	A green solvent strategy for the development of piezoelectric poly(vinylidene fluoride) (fluoride-co-hexafluoropropylene) membranes for efficient arsenic removal from water. <i>Materials Chemistry and Physics</i> , 2016, 183, 430-438.	3.3	42
17	Poly(vinylidene fluoride-hexafluoropropylene)/bayerite composite membranes for efficient arsenic removal from water. <i>Materials Chemistry and Physics</i> , 2016, 183, 430-438.	2.0	41
18	Fiber average size and distribution dependence on the electrospinning parameters of poly(vinylidene fluoride) (fluoride-co-hexafluoropropylene) membranes for efficient arsenic removal from water. <i>Science and Processing</i> , 2012, 109, 685-691.	1.1	39

#	ARTICLE	IF	CITATIONS
19	Novel poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blends for battery separators in lithium-ion applications. <i>Electrochimica Acta</i> , 2013, 88, 473-476.	2.6	39
20	Influence of the porosity degree of poly(vinylidene fluoride-co-hexafluoropropylene) separators in the performance of Li-ion batteries. <i>Journal of Power Sources</i> , 2014, 263, 29-36.	4.0	37
21	Membranes based on polymer miscibility for selective transport and separation of metallic ions. <i>Journal of Hazardous Materials</i> , 2017, 336, 188-194.	6.5	36
22	Effect of the degree of porosity on the performance of poly(vinylidene fluoride-trifluoroethylene) separators in lithium-ion batteries. <i>Solid State Ionics</i> , 2015, 280, 1-9.	1.3	33
23	The effect of nanotube surface oxidation on the electrical properties of multiwall carbon nanotube/poly(vinylidene fluoride) composites. <i>Journal of Materials Science</i> , 2012, 47, 8103-8111.	1.7	32
24	Physicochemical properties of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium ion battery applications: Influence of poly(ethylene oxide) molecular weight. <i>Solid State Ionics</i> , 2014, 268, 54-67.	1.3	32
25	Highly efficient removal of fluoride from aqueous media through polymer composite membranes. <i>Separation and Purification Technology</i> , 2018, 205, 1-10.	3.9	32
26	Poly(vinylidene fluoride) composites with carbon nanotubes decorated with metal nanoparticles. <i>Composites Part B: Engineering</i> , 2018, 142, 1-8.	5.9	27
27	Piezoresistive effect in spin-coated polyaniline thin films. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	26
28	Mesoporous poly(vinylidene fluoride-co-trifluoroethylene) membranes for lithium-ion battery separators. <i>Electrochimica Acta</i> , 2019, 301, 97-106.	2.6	26
29	Li-ion battery separator membranes based on barium titanate and poly(vinylidene fluoride-trifluoroethylene)/carbon nanotube composites. <i>Solid State Ionics</i> , 2013, 249-250, 63-71.	2.6	25
30	Li-ion battery separator membranes based on poly(vinylidene fluoride-trifluoroethylene)/carbon nanotube composites. <i>Solid State Ionics</i> , 2013, 249-250, 63-71.	1.3	24
31	Effect of fiber orientation in gelled poly(vinylidene fluoride) electrospun membranes for Li-ion battery applications. <i>Journal of Materials Science</i> , 2013, 48, 6833-6840.	1.7	20
32	Microstructural, mechanical and biological properties of hydroxyapatite - CaZrO ₃ biocomposites. <i>Ceramics International</i> , 2019, 45, 8195-8203.	2.3	18
33	Parametric optimization of surface dielectric barrier discharge actuators for ice sensing application. <i>Sensors and Actuators A: Physical</i> , 2022, 335, 113391.	2.0	14
34	Antimicrobial and Antibiofilm Properties of Fluorinated Polymers with Embedded Functionalized Nanodiamonds. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5014-5024.	2.0	11
35	3.9 Piezoelectric Energy Production. , 2018, , 380-415.		9
36	Property characterization and numerical modelling of the thermal conductivity of CaZrO ₃ -MgO ceramic composites. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7241-7252.	2.8	9

#	ARTICLE	IF	CITATIONS
37	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
38	Comparative Evaluation of Dielectric Materials for Plasma Actuators Active Flow Control and Heat Transfer Applications. , 2021, , .		6
39	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
40	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
41	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
42	Microporous Poly(Vinylidene Fluoride â€ Trifluoroethylene)/Zeolite Membranes for Lithium-Ion Battery Applications. Procedia Engineering, 2012, 44, 983-984.	1.2	1
43	Synthetic polymer-based membranes for lithium-ion batteries. , 2020, , 383-415.		1
44	High deformation multifunctional composites. , 2021, , 317-350.		1
45	Effect of Poly (Ethylene Oxide) Molecular Weight on the Performance of Poly(Vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Meeting Abstracts, 2013, , .	0.0	0