Vanessa F Cardoso

List of Publications by Year
in descending order

52 papers	2,201 citations	430442 18 h-index	276539 41 g-index
52 all docs	52 docs citations	52 times ranked	3073 citing authors

#	Article	IF	Citations
1	Solution processing of piezoelectric unconventional structures. , 2022, , 375-439.		3
2	Cellular Interaction of Bone Marrow Mesenchymal Stem Cells with Polymer and Hydrogel 3D Microscaffold Templates. ACS Applied Materials & Interfaces, 2022, 14, 13013-13024.	4.0	20
3	Natural based reusable materials for microfluidic substrates: The silk road towards sustainable portable analytical systems. Applied Materials Today, 2022, 28, 101507.	2.3	6
4	Solid Magnetoliposomes as Multi-Stimuli-Responsive Systems for Controlled Release of Doxorubicin: Assessment of Lipid Formulations. Biomedicines, 2022, 10, 1207.	1.4	7
5	Biodegradable polymer-based microfluidic membranes for sustainable point-of-care devices. Chemical Engineering Journal, 2022, 448, 137639.	6.6	7
6	Fluorinated Polymer Membranes as Advanced Substrates for Portable Analytical Systems and Their Proof of Concept for Colorimetric Bioassays. ACS Applied Materials & Interfaces, 2021, 13, 18065-18076.	4.0	9
7	Patterned separator membranes with pillar surface microstructures for improved battery performance. Journal of Colloid and Interface Science, 2021, 596, 158-172.	5.0	4
8	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
9	Tailoring electroactive poly(vinylidene fluorideâ€co-trifluoroethylene) microspheres by a nanoprecipitation method. Materials Letters, 2020, 261, 127018.	1.3	8
10	Tailoring Electrospun Poly(<scp>l</scp>-lactic acid) Nanofibers as Substrates for Microfluidic Applications. ACS Applied Materials & Interfaces, 2020, 12, 60-69.	4.0	16
11	Patterned Piezoelectric Scaffolds for Osteogenic Differentiation. International Journal of Molecular Sciences, 2020, 21, 8352.	1.8	14
12	Electroactive poly(vinylidene fluoride)-based materials: recent progress, challenges, and opportunities. , 2020, , 1-43.		7
13	Micro- and nanostructured piezoelectric polymers. Frontiers of Nanoscience, 2019, , 35-65.	0.3	3
14	Enhanced performance of fluorinated separator membranes for lithium ion batteries through surface micropatterning. Energy Storage Materials, 2019, 21, 124-135.	9.5	17
15	Tuning Myoblast and Preosteoblast Cell Adhesion Site, Orientation, and Elongation through Electroactive Micropatterned Scaffolds. ACS Applied Bio Materials, 2019, 2, 1591-1602.	2.3	14
16	Lab-on-a-chip technology and microfluidics. , 2019, , 3-36.		11
17	Magnetic PDMS Microparticles for Biomedical and Energy Applications. Lecture Notes in Computational Vision and Biomechanics, 2019, , 578-584.	0.5	2
18	Advances in Magnetic Nanoparticles for Biomedical Applications. Advanced Healthcare Materials, 2018, 7, 1700845.	3.9	453

#	Article	IF	Citations
19	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
20	Electroactive poly(vinylidene fluoride)-based structures for advanced applications. Nature Protocols, 2018, 13, 681-704.	5.5	466
21	Highly effective clean-up of magnetic nanoparticles using microfluidic technology. Sensors and Actuators B: Chemical, 2018, 255, 2384-2391.	4.0	10
22	Layer-by-layer fabrication of highly transparent polymer based piezoelectric transducers. Materials Research Express, 2018, 5, 065313.	0.8	7
23	Silica/poly(vinylidene fluoride) porous composite membranes for lithium-ion battery separators. Journal of Membrane Science, 2018, 564, 842-851.	4.1	68
24	Fluorinated Polymers as Smart Materials for Advanced Biomedical Applications. Polymers, 2018, 10, 161.	2.0	196
25	Capture and separation of l-histidine through optimized zinc-decorated magnetic silica spheres. Colloids and Surfaces B: Biointerfaces, 2017, 157, 48-55.	2.5	1
26	Electroactive Polymers as Actuators. , 2017, , 319-352.		25
27	Metamorphic biomaterials. , 2017, , 69-99.		6
28	From superhydrophobic- to superhydrophilic-patterned poly(vinylidene fluoride-co) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (-chloro Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1802-1810.	2.4	20
29	A green solvent strategy for the development of piezoelectric poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (flu 104, 183-189.	3.3	42
30	Poly(vinylidene fluoride-hexafluoropropylene)/bayerite composite membranes for efficient arsenic removal from water. Materials Chemistry and Physics, 2016, 183, 430-438.	2.0	41
31	Comparative study of solâ€“gel methods for the facile synthesis of tailored magnetic silica spheres. Materials Research Express, 2016, 3, 075402.	0.8	12
32	Energy harvesting performance of BaTiO3/poly(vinylidene fluorideâ€“trifluoroethylene) spin coated nanocomposites. Composites Part B: Engineering, 2015, 72, 130-136.	5.9	96
33	Tailoring microstructure and physical properties of poly(vinylidene fluorideâ€“hexafluoropropylene) porous films. Journal of Materials Science, 2015, 50, 5047-5058.	1.7	14
34	Poly(vinylidene fluoride-trifluoroethylene) Porous Films: Tailoring Microstructure and Physical Properties by Solvent Casting Strategies. Soft Materials, 2015, 13, 243-253.	0.8	19
35	Nonsolvent induced phase separation preparation of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (fluoride-co- content and mechanical properties. Materials and Design, 2015, 88, 390-397.	3.3	51
36	Optimized SU-8 Processing for Low-Cost Microstructures Fabrication without Cleanroom Facilities. Micromachines, 2014, 5, 738-755.	1.4	94

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37	Polymer-based acoustic streaming for improving mixing and reaction times in microfluidic applications. RSC Advances, 2014, 4, 4292-4300.	1.7	28
38	Multilayer spin-coating deposition of poly(vinylidene fluoride) films for controlling thickness and piezoelectric response. Sensors and Actuators A: Physical, 2013, 192, 76-80.	2.0	56
39	Electroactive Poly(Vinylidene Fluoride-Trifluorethylene) (PVDF-TrFE) Microporous Membranes for Lithium-Ion Battery Applications. Ferroelectrics, 2012, 430, 103-107.	0.3	20
40	Improving the optical and electroactive response of poly(vinylidene fluorideâ€“trifluoroethylene) spin-coated films for sensor and actuator applications. Smart Materials and Structures, 2012, 21, 085020.	1.8	56
41	Gold coated SU-8-based microelectrodes for in vivo electrophysiological studies: Rapid prototyping protocol-specific microelectrode designs. , 2011, , .		0
42	Lab-on-a-chip using acoustic streaming for mixing and pumping fluids. , 2011, , .		3
43	Micro and nanofilms of poly(vinylidene fluoride) with controlled thickness, morphology and electroactive crystalline phase for sensor and actuator applications. Smart Materials and Structures, 2011, 20, 087002.	1.8	116
44	Tailoring porous structure of ferroelectric poly(vinylidene fluoride-trifluoroethylene) by controlling solvent/polymer ratio and solvent evaporation rate. European Polymer Journal, 2011, 47, 2442-2450.	2.6	66
45	Lab-on-a-Chip With Î²-Poly(Vinylidene Fluoride) Based Acoustic Microagitation. IEEE Transactions on Biomedical Engineering, 2010, 57, 1184-1190.	2.5	25
46	Degradation studies of transparent conductive electrodes on electroactive poly(vinylidene fluoride) for uric acid measurements. Science and Technology of Advanced Materials, 2010, 11, 045006.	2.8	2
47	Heating of samples by acoustic microagitation for improving reaction of biological fluids. , 2010, , .		3
48	Design and fabrication of piezoelectric microactuators based on β-poly (vinylidene fluoride) films for microfluidic applications. , 2010, 2010, 903-6.		2
49	Biological microdevice with fluidic acoustic streaming for measuring uric acid in human saliva. , 2009, 2009, 5879-82.		3
50	Smart-Optical Detector CMOS Array for Biochemical Parameters Analysis in Physiological Fluids. IEEE Transactions on Industrial Electronics, 2008, 55, 3192-3200.	5.2	30
51	Piezoelectric β-PVDF polymer films as fluid acoustic microagitator. , 2008, , .		3
52	Ultrasonic Transducer Based on Î²-PVDF for Fluidic Microagitation in a Lab-on-a-Chip Device. Advances in Science and Technology, 2008, 57, 99-104.	0.2	9