Vitor Sencadas

List of Publications by Year
in descending order

178 papers	10,582 citations	20797 60 h-index	37183 96 g-index
181 all docs	181 docs citations	181 times ranked	11800 citing authors

#	Article	IF	Citations
1	Multifunctional skin-compliant wearable sensors for monitoring human condition applications. Applied Materials Today, 2022, 26, 101361.	2.3	16
2	3D printed linear soft multi-mode actuators expanding robotic applications. Soft Matter, 2022, 18, 1911-1919.	1.2	1
3	Rational Design of Coreâ€Shell ZnTe@Nâ€Doped Carbon Nanowires for High Gravimetric and Volumetric Alkali Metal Ion Storage. Advanced Functional Materials, 2021, 31, 2006425.	7.8	75
4	Attenuation of UV absorption by poly(lactic acid)-iron oxide nanocomposite particles and their potential application in sunscreens. Chemical Engineering Journal, 2021, 405, 126843.	6.6	20
5	Powering Implantable and Ingestible Electronics. Advanced Functional Materials, 2021, 31, 2009289.	7.8	57
6	Smart-Responsive Colloidal Capsules as an Emerging Tool to Design a Multifunctional Lubricant Additive. ACS Applied Materials & Interfaces, 2021, 13, 7714-7724.	4.0	8
7	Co-delivery of inhalable therapies: Controlling active ingredients spatial distribution and temporal release. Materials Science and Engineering C, 2021, 122, 111831.	3.8	2
8	Design of polymeric core-shell carriers for combination therapies. Journal of Colloid and Interface Science, 2021, 587, 499-509.	5.0	14
9	Room-temperature self-healing piezoresistive sensors. Composites Science and Technology, 2021, 211, 108856.	3.8	7
10	Insight into the Mechanical Behavior of Hybrid Colloidal Capsules at Elevated Temperatures by Direct Visualization of the Interfacial Solid-State Reactions. Journal of Physical Chemistry C, 2021, 125, 17462-17473.	1.5	2
11	Low-Hysteresis and Ultrasensitive Microcellular Structures for Wearable Electronic Applications. ACS Applied Materials & Interfaces, 2021, 13, 1632-1643.	4.0	11
12	Mechanical performance of elastomeric PGS scaffolds under dynamic conditions. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103474.	1.5	19
13	An Intrinsically Nonâ€flammable Electrolyte for Highâ€Performance Potassium Batteries. Angewandte Chemie - International Edition, 2020, 59, 3638-3644.	7.2	211
14	Triboelectric Nanogenerator versus Piezoelectric Generator at Low Frequency (<4ÂHz): A Quantitative Comparison. IScience, 2020, 23, 101286.	1.9	84
15	Synergy of binders and electrolytes in enabling microsized alloy anodes for high performance potassium-ion batteries. Nano Energy, 2020, 77, 105118.	8.2	82
16	Influence of the Stabilization Process on the Piezotronic Performance of Electrospun Silk Fibroin. Macromolecular Materials and Engineering, 2020, 305, 2000165.	1.7	6
17	A 3D Printed Soft Force Sensor for Soft Haptics. , 2020, , .		4
18	Intrinsic Effect of Nanoparticles on the Mechanical Rupture of Doubledâ€Shell Colloidal Capsule via In Situ TEM Mechanical Testing and STEM Interfacial Analysis. Small, 2020, 16, e2001978.	5.2	7

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19	Environmentally Friendly and Biodegradable Ultrasensitive Piezoresistive Sensors for Wearable Electronics Applications. ACS Applied Materials & Interfaces, 2020, 12, 8761-8772.	4.0	55
20	An Intrinsically Nonâ€flammable Electrolyte for Highâ€Performance Potassium Batteries. Angewandte Chemie, 2020, 132, 3667-3673.	1.6	16
21	Hydrothermal synthesis of rutile TiO2 nanorods and their decoration with CeO2 nanoparticles as low-photocatalytic active ingredients in UV filtering applications. Journal of Materials Science, 2020, 55, 8095-8108.	1.7	9
22	Energy Harvesting Applications from Poly(Îµ-caprolactone) Electrospun Membranes. ACS Applied Polymer Materials, 2020, 2, 2105-2110.	2.0	17
23	Highly Sensitive Soft Foam Sensors to Empower Robotic Systems. Advanced Materials Technologies, 2019, 4, 1900423.	3.0	26
24	Electroactive properties of electrospun silk fibroin for energy harvesting applications. Nano Energy, 2019, 66, 104106.	8.2	72
25	Ultra-stretchable MWCNTâ€“Ecoflex piezoresistive sensors for human motion detection applications. Composites Science and Technology, 2019, 173, 118-124.	3.8	80
26	Nano-sunscreens â€“ a double-edged sword in protecting consumers from harm: viewing Australian regulatory policies through the lenses of the European Union. Critical Reviews in Toxicology, 2019, 49, 122-139.	1.9	12
27	Synthesis of methotrexate-loaded tantalum pentoxideâ€“poly(acrylic acid) nanoparticles for controlled drug release applications. Journal of Colloid and Interface Science, 2019, 538, 286-296.	5.0	34
28	Synthesis of highly-stretchable graphene â€“ poly(glycerol sebacate) elastomeric nanocomposites piezoresistive sensors for human motion detection applications. Composites Science and Technology, 2018, 162, 14-22.	3.8	45
29	Suppression of the photocatalytic activity of TiO 2 nanoparticles encapsulated by chitosan through a spray-drying method with potential for use in sunblocking applications. Powder Technology, 2018, 329, 252-259.	2.1	32
30	Development and optimization of ciprofloxacin-loaded gelatin microparticles by single-step spray-drying technique. Powder Technology, 2018, 330, 201-209.	2.1	9
31	Antibacterial and Antifungal Activity of Poly(Lactic Acid)â€“Bovine Lactoferrin Nanofiber Membranes. Macromolecular Bioscience, 2018, 18, 1700324.	2.1	18
32	Boosting the Potassium Storage Performance of Alloyâ€Based Anode Materials via Electrolyte Salt Chemistry. Advanced Energy Materials, 2018, 8, 1703288.	10.2	382
33	Effect of multi-walled carbon nanotubes on the cross-linking density of the poly(glycerol sebacate) elastomeric nanocomposites. Journal of Colloid and Interface Science, 2018, 521, 24-32.	5.0	24
34	Modeling and Experimental Evaluation of Bending Behavior of Soft Pneumatic Actuators Made of Discrete Actuation Chambers. Soft Robotics, 2018, 5, 24-35.	4.6	128
35	A novel electrospun, hydrophobic, and elastomeric styrene-butadiene-styrene membrane for membrane distillation applications. Journal of Membrane Science, 2018, 549, 420-427.	4.1	74
36	Reusable Flexible Concentric Electrodes Coated With a Conductive Graphene Ink for Electrotactile Stimulation. Frontiers in Bioengineering and Biotechnology, 2018, 6, 179.	2.0	23

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37	Development of ciprofloxacin-loaded poly(vinyl alcohol) dry powder formulations for lung delivery. International Journal of Pharmaceutics, 2018, 547, 114-121.	2.6	13
38	Understanding High-Energy-Density Sn4P3 Anodes for Potassium-Ion Batteries. Joule, 2018, 2, 1534-1547.	11.7	468
39	Processing, Characterization, and in Vivo Evaluation of Poly(<scp>l</scp>-lactic acid)-Fish Gelatin Electrospun Membranes for Biomedical Applications. ACS Applied Bio Materials, 2018, 1, 226-236.	2.3	3
40	Carbamazepine as a Possible Anthropogenic Marker in Water: Occurrences, Toxicological Effects, Regulations and Removal by Wastewater Treatment Technologies. Water (Switzerland), 2018, 10, 107.	1.2	124
41	Processing, characterisation and electromechanical behaviour of elastomeric multiwall carbon nanotubes-poly (glycerol sebacate) nanocomposites for piezoresistive sensors applications. Composites Science and Technology, 2017, 142, 163-170.	3.8	44
42	Kinetic study of thermal degradation of chitosan as a function of deacetylation degree. Carbohydrate Polymers, 2017, 167, 52-58.	5.1	58
43	Incorporation of glass-reinforced hydroxyapatite microparticles into poly(lactic acid) electrospun fibre mats for biomedical applications. Materials Science and Engineering C, 2017, 75, 1184-1190.	3.8	17
44	Electrospun gelatin nanofiber based self-powered bio-e-skin for health care monitoring. Nano Energy, 2017, 36, 166-175.	8.2	185
45	Multifunctional PLLA-ceramic fiber membranes for bone regeneration applications. Journal of Colloid and Interface Science, 2017, 504, 101-110.	5.0	40
46	Single step fabrication of antimicrobial fibre mats from a bioengineered protein-based polymer. Biomedical Materials (Bristol), 2017, 12, 045011.	1.7	17
47	An Allâ€Integrated Anode via Interlinked Chemical Bonding between Doubleâ€Shelledâ€"Yolkâ€Structured Silicon and Binder for Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1703028.	11.1	238
48	Large area and ultra-thin compliant strain sensors for prosthetic devices. Sensors and Actuators A: Physical, 2017, 266, 56-64.	2.0	36
49	Superomniphilic Poly(glycerol sebacate)â€"Poly(<scp>l</scp>â€lactic acid) Electrospun Membranes for Oil Spill Remediation. Advanced Materials Interfaces, 2017, 4, 1700484.	1.9	11
50	Tailoring the wettability and mechanical properties of electrospun poly(l-lactic acid)-poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2017, 508, 87-94.	5.0	43
51	Human skin interactive self-powered wearable piezoelectric bio-e-skin by electrospun poly-<scp>l</scp>-lactic acid nanofibers for non-invasive physiological signal monitoring. Journal of Materials Chemistry B, 2017, 5, 7352-7359.	2.9	104
52	Advanced techniques for characterizing bioinspired materials. , 2017, , 177-214.		0
53	Biodegradable Polymers for Medical Applications. International Journal of Polymer Science, 2016, 2016, 1-2.	1.2	10
54	Mechanical fatigue performance of PCLâ€chondroprogenitor constructs after cell culture under bioreactor mechanical stimulus. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 330-338.	1.6	9

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55	TiO2/graphene oxide immobilized in P(VDF-TrFE) electrospun membranes with enhanced visible-light-induced photocatalytic performance. Journal of Materials Science, 2016, 51, 6974-6986.	1.7	76
56	Effect of cyano dipolar groups on the performance of lithium-ion battery electrospun polyimide gel electrolyte membranes. Journal of Electroanalytical Chemistry, 2016, 778, 57-65.	1.9	16
57	Comparison of rheological behaviors with fumed silica-based shear thickening fluids. Korea Australia Rheology Journal, 2016, 28, 197-205.	0.7	40
58	Orthogonal experimental design of titanium dioxideâ€"Poly(methyl methacrylate) electrospun nanocomposite membranes for photocatalytic applications. Journal of Environmental Chemical Engineering, 2016, 4, 3151-3158.	3.3	41
59	Strong affinity of polysulfide intermediates to multi-functional binder for practical application in lithiumâ€"sulfur batteries. Nano Energy, 2016, 26, 722-728.	8.2	72
60	Processing and size range separation of pristine and magnetic poly(l -lactic acid) based microspheres for biomedical applications. Journal of Colloid and Interface Science, 2016, 476, 79-86.	5.0	23
61	Effect of Sterilization Methods on Electrospun Poly(lactic acid) (PLA) Fiber Alignment for Biomedical Applications. ACS Applied Materials & Interfaces, 2016, 8, 3241-3249.	4.0	171
62	Acetylated bacterial cellulose coated with urinary bladder matrix as a substrate for retinal pigment epithelium. Colloids and Surfaces B: Biointerfaces, 2016, 139, 1-9.	2.5	39
63	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. Journal of Materials Science, 2016, 51, 4442-4450.	1.7	48
64	Bacterial cellulose-lactoferrin as an antimicrobial edible packaging. Food Hydrocolloids, 2016, 58, 126-140.	5.6	117
65	Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	52
66	Design and validation of a biomechanical bioreactor for cartilage tissue culture. Biomechanics and Modeling in Mechanobiology, 2016, 15, 471-478.	1.4	13
67	Exploring the Properties of Genetically Engineered Silkâ€Elastinâ€Like Protein Films. Macromolecular Bioscience, 2015, 15, 1698-1709.	2.1	22
68	Dynamic piezoelectric stimulation enhances osteogenic differentiation of human adipose stem cells. Journal of Biomedical Materials Research - Part A, 2015, 103, 2172-2175.	2.1	148
69	Piezoelectric poly(vinylidene fluoride) microstructure and poling state in active tissue engineering. Engineering in Life Sciences, 2015, 15, 351-356.	2.0	91
70	Enhancement of adhesion and promotion of osteogenic differentiation of human adipose stem cells by poled electroactive poly(vinylidene fluoride). Journal of Biomedical Materials Research - Part A, 2015, 103, 919-928.	2.1	63
71	Energy harvesting performance of BaTiO3/poly(vinylidene fluorideâ€"trifluoroethylene) spin coated nanocomposites. Composites Part B: Engineering, 2015, 72, 130-136.	5.9	96
72	Surface roughness dependent osteoblast and fibroblast response on poly(<scp>l</scp>-lactide) films and electrospun membranes. Journal of Biomedical Materials Research - Part A, 2015, 103, 2260-2268.	2.1	50

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73	Synthesis, physical and magnetic properties of BaFe12O19/P(VDF-TrFE) multifunctional composites. European Polymer Journal, 2015, 69, 224-231.	2.6	25
74	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. Progress in Organic Coatings, 2015, 85, 151-158.	1.9	79
75	Bacterial Cellulose As a Support for the Growth of Retinal Pigment Epithelium. Biomacromolecules, 2015, 16, 1341-1351.	2.6	57
76	Magnetoelectric CoFe₂O₄/polyvinylidene fluoride electrospun nanofibres. Nanoscale, 2015, 7, 8058-8061.	2.8	78
77	Development of magnetoelectric CoFe₂O₄ /poly(vinylidene fluoride) microspheres. RSC Advances, 2015, 5, 35852-35857.	1.7	88
78	Piezoelectric polymers as biomaterials for tissue engineering applications. Colloids and Surfaces B: Biointerfaces, 2015, 136, 46-55.	2.5	364
79	Antibacterial performance of bovine lactoferrin-fish gelatine electrospun membranes. International Journal of Biological Macromolecules, 2015, 81, 608-614.	3.6	27
80	Development of electrospun photocatalytic TiO2-polyamide-12 nanocomposites. Materials Chemistry and Physics, 2015, 164, 91-97.	2.0	38
81	<i>In vitro</i> mechanical fatigue behavior of polyâ€É›â€caprolactone macroporous scaffolds for cartilage tissue engineering: Influence of pore filling by a poly(vinyl alcohol) gel. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 1037-1043.	1.6	14
82	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. Polymer Engineering and Science, 2014, 54, 1608-1617.	1.5	35
83	Effect of filler content on morphology and physicalâ€“chemical characteristics of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	30
84	Processing and characterization of Î±-elastin electrospun membranes. Applied Physics A: Materials Science and Processing, 2014, 115, 1291-1298.	1.1	12
85	Modifying Fish Gelatin Electrospun Membranes for Biomedical Applications: Cross-Linking and Swelling Behavior. Soft Materials, 2014, 12, 247-252.	0.8	16
86	Electrosprayed poly(vinylidene fluoride) microparticles for tissue engineering applications. RSC Advances, 2014, 4, 33013-33021.	1.7	77
87	Electrospun styreneâ€“butadieneâ€“styrene elastomer copolymers for tissue engineering applications: Effect of butadiene/styrene ratio, block structure, hydrogenation and carbon nanotube loading on physical properties and cytotoxicity. Composites Part B: Engineering, 2014, 67, 30-38.	5.9	52
88	Effect of neutralization and cross-linking on the thermal degradation of chitosan electrospun membranes. Journal of Thermal Analysis and Calorimetry, 2014, 117, 123-130.	2.0	14
89	PHB-PEO electrospun fiber membranes containing chlorhexidine for drug delivery applications. Polymer Testing, 2014, 34, 64-71.	2.3	87
90	Electrical properties of intrinsically conductive coreâ€“shell polypyrrole/poly(vinylidene fluoride) electrospun fibers. Synthetic Metals, 2014, 197, 198-203.	2.1	14

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91	Carbon nanofiber type and content dependence of the physical properties of carbon nanofiber reinforced polypropylene composites. Polymer Engineering and Science, 2014, 54, 117-128.	1.5	27
92	Thermal degradation of Pb(Zr0.53Ti0.47)O3/poly(vinylidene fluoride) composites as a function of ceramic grain size and concentration. Journal of Thermal Analysis and Calorimetry, 2013, 114, 757-763.	2.0	9
93	Effect of poling state and morphology of piezoelectric poly(vinylidene fluoride) membranes for skeletal muscle tissue engineering. RSC Advances, 2013, 3, 17938.	1.7	128
94	Osteoblast, fibroblast and in vivo biological response to poly(vinylidene fluoride) based composite materials. Journal of Materials Science: Materials in Medicine, 2013, 24, 395-403.	1.7	40
95	Thermal and hydrolytic degradation of electrospun fish gelatin membranes. Polymer Testing, 2013, 32, 995-1000.	2.3	66
96	Electro-mechanical properties of triblock copolymer styreneâ€“butadieneâ€“styrene/carbon nanotube composites for large deformation sensor applications. Sensors and Actuators A: Physical, 2013, 201, 458-467.	2.0	76
97	Fatigue prediction in fibrin poly-Îµ-caprolactone macroporous scaffolds. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 28, 55-61.	1.5	22
98	Mechanical, electrical and electro-mechanical properties of thermoplastic elastomer styreneâ€“butadieneâ€“styrene/multiwall carbon nanotubes composites. Journal of Materials Science, 2013, 48, 1172-1179.	1.7	65
99	Piezoresistive sensors for force mapping of hip-prostheses. Sensors and Actuators A: Physical, 2013, 195, 133-138.	2.0	10
100	Bioactive albumin functionalized polylactic acid membranes for improved biocompatibility. Reactive and Functional Polymers, 2013, 73, 1399-1404.	2.0	29
101	Energy harvesting performance of piezoelectric electrospun polymer fibers and polymer/ceramic composites. Sensors and Actuators A: Physical, 2013, 196, 55-62.	2.0	138
102	Evaluation of the main processing parameters influencing the performance of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 2013, 17, 861-870.	1.2	33
103	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
104	Electrospun silk-elastin-like fibre mats for tissue engineering applications. Biomedical Materials (Bristol), 2013, 8, 065009.	1.7	67
105	Electroactive Poly(Vinylidene Fluoride-Trifluorethylene) (PVDF-TrFE) Microporous Membranes for Lithium-Ion Battery Applications. Ferroelectrics, 2012, 430, 103-107.	0.3	20
106	Fabrication of Poly(lactic acid)-Poly(ethylene oxide) Electrospun Membranes with Controlled Micro to Nanofiber Sizes. Journal of Nanoscience and Nanotechnology, 2012, 12, 6746-6753.	0.9	7
107	Local piezoelectric activity of single poly(L-lactic acid) (PLLA) microfibers. Applied Physics A: Materials Science and Processing, 2012, 109, 51-55.	1.1	71
108	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

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109	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
110	Local piezoelectric response of single poly(vinylidene fluoride) electrospun fibers. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2605-2609.	0.8	45
111	Thermal Properties of Electrospun Poly(Lactic Acid) Membranes. Journal of Macromolecular Science - Physics, 2012, 51, 411-424.	0.4	20
112	Relaxation dynamics of poly(vinylidene fluoride) studied by dynamical mechanical measurements and dielectric spectroscopy. European Physical Journal E, 2012, 35, 41.	0.7	68
113	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. Biomedical Materials (Bristol), 2012, 7, 035004.	1.7	83
114	Physical-chemical properties of cross-linked chitosan electrospun fiber mats. Polymer Testing, 2012, 31, 1062-1069.	2.3	52
115	Influence of crystallinity and fiber orientation on hydrophobicity and biological response of poly(l-lactide) electrospun mats. Soft Matter, 2012, 8, 5818.	1.2	66
116	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. RSC Advances, 2012, 2, 11504.	1.7	106
117	Influence of filler size and concentration on the low and high temperature dielectric response of poly(vinylidene fluoride) /Pb(Zr0.53Ti0.47)O3 composites. Journal of Polymer Research, 2012, 19, 1.	1.2	17
118	Assessment of parameters influencing fiber characteristics of chitosan nanofiber membrane to optimize fiber mat production. Polymer Engineering and Science, 2012, 52, 1293-1300.	1.5	16
119	Determination of the parameters affecting electrospun chitosan fiber size distribution and morphology. Carbohydrate Polymers, 2012, 87, 1295-1301.	5.1	90
120	Effect of degree of porosity on the properties of poly(vinylidene fluorideâ€“trifluorethylene) for Li-ion battery separators. Journal of Membrane Science, 2012, 407-408, 193-201.	4.1	110
121	Effect of the microsctructure and lithium-ion content in poly[(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (fluoride applications. Solid State Ionics, 2012, 217, 19-26.	1.3	29
122	Influence of fiber diameter and crystallinity on the stability of electrospun poly(l-lactic acid) membranes to hydrolytic degradation. Polymer Testing, 2012, 31, 770-776.	2.3	25
123	Effect of filler size and concentration on the structure and properties of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.7	223
124	Large Area Microfabrication of Electroactive Polymeric Structures Based on Near-Field Electrospinning. Procedia Engineering, 2011, 25, 888-891.	1.2	5
125	Influence of Ferrite Nanoparticle Type and Content on the Crystallization Kinetics and Electroactive Phase Nucleation of Poly(vinylidene fluoride). Langmuir, 2011, 27, 7241-7249.	1.6	121
126	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. Science and Technology of Advanced Materials, 2011, 12, 015001.	2.8	115

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127	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
128	Degradation of the dielectric and piezoelectric response of Î²-poly(vinylidene fluoride) after temperature annealing. Journal of Polymer Research, 2011, 18, 1451-1457.	1.2	64
129	Extrusion of poly(vinylidene fluoride) filaments: effect of the processing conditions and conductive inner core on the electroactive phase content and mechanical properties. Journal of Polymer Research, 2011, 18, 1653-1658.	1.2	40
130	Thermal, dielectrical and mechanical response of Î± and Î²-poly(vinilydene fluoride)/Co-MgO nanocomposites. Nanoscale Research Letters, 2011, 6, 257.	3.1	18
131	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
132	Poly(vinylidene fluoride-trifluoroethylene) (72/28) interconnected porous membranes obtained by crystallization from solution. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	12
133	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. Science and Technology of Advanced Materials, 2011, 12, 015001.	2.8	16
134	Functionally graded electroactive Poly(vinylidene fluoride) polymers. International Journal of Materials and Product Technology, 2010, 39, 178.	0.1	5
135	Isothermal crystallization kinetics of poly(vinylidene fluoride) in the Î±-phase in the scope of the Avrami equation. Journal of Materials Science, 2010, 45, 1328-1335.	1.7	41
136	Î±- and Î³-PVDF: Crystallization kinetics, microstructural variations and thermal behaviour. Materials Chemistry and Physics, 2010, 122, 87-92.	2.0	96
137	Poly[(vinylidene fluoride)â€‹<i>co</i>â€‹trifluoroethylene] Membranes Obtained by Isothermal Crystallization from Solution. Macromolecular Materials and Engineering, 2010, 295, 523-528.	1.7	38
138	Influence of Processing Conditions on Polymorphism and Nanofiber Morphology of Electroactive Poly(vinylidene fluoride) Electrospun Membranes. Soft Materials, 2010, 8, 274-287.	0.8	241
139	Influence of the Î²-phase content and degree of crystallinity on the piezo- and ferroelectric properties of poly(vinylidene fluoride). Smart Materials and Structures, 2010, 19, 065010.	1.8	352
140	Influence of processing parameters on the polymer phase, microstructure and macroscopic properties of poly(vinilidene fluoride)/Pb(Zr0.53Ti0.47)O3 composites. Journal of Non-Crystalline Solids, 2010, 356, 2127-2133.	1.5	33
141	The Role of Solvent Evaporation in the Microstructure of Electroactive Î²-Poly(Vinylidene Fluoride) Membranes Obtained by Isothermal Crystallization. Soft Materials, 2010, 9, 1-14.	0.8	40
142	The piezoresistive effect in polypropyleneâ€"carbon nanofibre composites obtained by shear extrusion. Smart Materials and Structures, 2010, 19, 065013.	1.8	52
143	Low percolation transitions in carbon nanotube networks dispersed in a polymer matrix: dielectric properties, simulations and experiments. Nanotechnology, 2009, 20, 035703.	1.3	102
144	Influence of Silver Nanoparticles Concentration on the <i>Î±</i>- to <i>Î²</i>-Phase Transformation and the Physical Properties of Silver Nanoparticles Doped Poly(vinylidene fluoride) Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 2910-2916.	0.9	42

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145	Relationship between the microstructure and the microscopic piezoelectric response of the Î±- and Î²-phases of poly(vinylidene fluoride). Applied Physics A: Materials Science and Processing, 2009, 95, 875-880.	1.1	49
146	Effect of the ceramic grain size and concentration onÂtheÂdynamical mechanical and dielectric behavior ofÂpoly(vinilidene fluoride)/Pb(Zr0.53Ti0.47)O3 composites. Applied Physics A: Materials Science and Processing, 2009, 96, 899-908.	1.1	73
147	Local variation of the dielectric properties of poly(vinylidene fluoride) during the Î±- to Î²-phase transformation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 177-180.	0.9	95
148	The effect of fibre concentration on the Î± to Î²-phase transformation, degree of crystallinity and electrical properties of vapour grown carbon nanofibre/poly(vinylidene fluoride) composites. Carbon, 2009, 47, 2590-2599.	5.4	124
149	Î± to Î² Phase Transformation and Microestructural Changes of PVDF Films Induced by Uniaxial Stretch. Journal of Macromolecular Science - Physics, 2009, 48, 514-525.	0.4	472
150	Strain analysis of photocatalytic TiO2 thin films on polymer substrates. Thin Solid Films, 2008, 516, 1434-1438.	0.8	24
151	Performance of electroactive poly(vinylidene fluoride) against UV radiation. Polymer Testing, 2008, 27, 818-822.	2.3	32
152	PVD-Grown photocatalytic TiO2 thin films on PVDF substrates for sensors and actuators applications. Thin Solid Films, 2008, 517, 1161-1166.	0.8	48
153	Molecular Orientation and Degree of Crystallinity of Piezoelectric Poly(Vinylidene Fluoride) Films Exclusively in the Î² Phase. Ferroelectrics, 2008, 370, 29-35.	0.3	8
154	Relationship between processing conditions, defects and thermal degradation of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.5	110
155	Microscopic origin of the high-strain mechanical response of poled and non-poled poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	29
156	Influence of the Crystallization Kinetics on the Microstructural Properties of Î³-PVDF. Materials Science Forum, 2008, 587-588, 534-537.	0.3	3
157	Poly(vinylidene fluoride) Electrospun Fibers for Electroactive Scaffold Aplications: Influence of the Applied Voltage on Morphology and Polymorphism. , 2008, , .		1
158	Liquid Flow Sensor Based on PVDF in its Beta Phase. , 2007, , .		2
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160	New technique of processing highly oriented poly(vinylidene fluoride) films exclusively in the Î² phase. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2793-2801.	2.4	92
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