Clarisse Ribeiro

List of Publications by Citations

93	3,593	33	58
papers	citations	h-index	g-index
101	4,317	5.6	5.59
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
93	Electroactive poly(vinylidene fluoride)-based structures for advanced applications. *Nature Protocols*, **2018**, 13, 681-704	18.8	320
92	Advances in Magnetic Nanoparticles for Biomedical Applications. *Advanced Healthcare Materials*, **2018**, 7, 1700845	10.1	277
91	Piezoelectric polymers as biomaterials for tissue engineering applications. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 46-55	6	274
90	Influence of Processing Conditions on Polymorphism and Nanofiber Morphology of Electroactive Poly(vinylidene fluoride) Electrospun Membranes. *Soft Materials*, **2010**, 8, 274-287	1.7	201
89	Fluorinated Polymers as Smart Materials for Advanced Biomedical Applications. *Polymers*, **2018**, 10,	4.5	133
88	Dynamic piezoelectric stimulation enhances osteogenic differentiation of human adipose stem cells. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 2172-5	5.4	107
87	Effect of poling state and morphology of piezoelectric poly(vinylidene fluoride) membranes for skeletal muscle tissue engineering. *RSC Advances*, **2013**, 3, 17938	3.7	103
86	Proving the suitability of magnetoelectric stimuli for tissue engineering applications. *Colloids and Surfaces B: Biointerfaces*, **2016**, 140, 430-436	6	99
85	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. *Science and Technology of Advanced Materials*, **2011**, 12, 015001	7.1	93
84	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. *RSC Advances*, **2012**, 2, 11504	3.7	82
83	PHB-PEO electrospun fiber membranes containing chlorhexidine for drug delivery applications. *Polymer Testing*, **2014**, 34, 64-71	4.5	76
82	Poly(vinylidene fluoride) and copolymers as porous membranes for tissue engineering applications. *Polymer Testing*, **2015**, 44, 234-241	4.5	76
81	Piezoelectric poly(vinylidene fluoride) microstructure and poling state in active tissue engineering. *Engineering in Life Sciences*, **2015**, 15, 351-356	3.4	70
80	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. *Biomedical Materials (Bristol)*, **2012**, 7, 035004	3.5	69
79	Silk fibroin-magnetic hybrid composite electrospun fibers for tissue engineering applications. *Composites Part B: Engineering*, **2018**, 141, 70-75	10	68
78	Electrosprayed poly(vinylidene fluoride) microparticles for tissue engineering applications. *RSC Advances*, **2014**, 4, 33013-33021	3.7	61
77	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. *Progress in Organic Coatings*, **2015**, 85, 151-158	4.8	59

76	Bioinspired Three-Dimensional Magnetoactive Scaffolds for Bone Tissue Engineering. *ACS Applied Materials & Interfaces*, **2019**, 11, 45265-45275	9.5	56
75	Influence of crystallinity and fiber orientation on hydrophobicity and biological response of poly(L-lactide) electrospun mats. *Soft Matter*, **2012**, 8, 5818	3.6	54
74	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, 919-28	5.4	50
73	In vivo demonstration of the suitability of piezoelectric stimuli for bone reparation. *Materials Letters*, **2017**, 209, 118-121	3.3	48
72	Local piezoelectric activity of single poly(L-lactic acid) (PLLA) microfibers. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 51-55	2.6	48
71	Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene fluoride). *Materials and Design*, **2016**, 92, 674-681	8.1	46
70	Electrospun styrene‐butadiene‐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	10	44
69	Surface roughness dependent osteoblast and fibroblast response on poly(L-lactide) films and electrospun membranes. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 2260-8	5.4	43
68	Relation between fiber orientation and mechanical properties of nano-engineered poly(vinylidene fluoride) electrospun composite fiber mats. *Composites Part B: Engineering*, **2018**, 139, 146-154	10	42
67	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. *Journal of Materials Science*, **2016**, 51, 4442-4450	4.3	40
66	Physical-chemical properties of cross-linked chitosan electrospun fiber mats. *Polymer Testing*, **2012**, 31, 1062-1069	4.5	40
65	Local piezoelectric response of single poly(vinylidene fluoride) electrospun fibers. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 2605-2609	1.6	38
64	Improved response of ionic liquid-based bending actuators by tailored interaction with the polar fluorinated polymer matrix. *Electrochimica Acta*, **2019**, 296, 598-607	6.7	38
63	Electromechanical actuators based on poly(vinylidene fluoride) with [N1 1 1 2(OH)][NTf2] and [C2mim] [C2SO4]. *Journal of Materials Science*, **2016**, 51, 9490-9503	4.3	34
62	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	4.5	34
61	Nanodiamonds/poly(vinylidene fluoride) composites for tissue engineering applications. *Composites Part B: Engineering*, **2017**, 111, 37-44	10	33
60	Magnetoelectric response on Terfenol-D/ P(VDF-TrFE) two-phase composites. *Composites Part B: Engineering*, **2017**, 120, 97-102	10	32
59	Fiber average size and distribution dependence on the electrospinning parameters of poly(vinylidene fluoride‐trifluoroethylene) membranes for biomedical applications. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 685-691	2.6	32

58	Superhydrophilic poly(l-lactic acid) electrospun membranes for biomedical applications obtained by argon and oxygen plasma treatment. *Applied Surface Science*, **2016**, 371, 74-82	6.7	31
57	Hydrogel-based magnetoelectric microenvironments for tissue stimulation. *Colloids and Surfaces B: Biointerfaces*, **2019**, 181, 1041-1047	6	30
56	Electroactive biomaterial surface engineering effects on muscle cells differentiation. *Materials Science and Engineering C*, **2018**, 92, 868-874	8.3	30
55	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. *Polymer Engineering and Science*, **2014**, 54, 1608-1617	2.3	30
54	Effect of filler content on morphology and physical�hemical characteristics of poly(vinylidene fluoride)/NaY zeolite-filled membranes. *Journal of Materials Science*, **2014**, 49, 3361-3370	4.3	26
53	Bioactive albumin functionalized polylactic acid membranes for improved biocompatibility. *Reactive and Functional Polymers*, **2013**, 73, 1399-1404	4.6	26
52	All-printed multilayer materials with improved magnetoelectric response. *Journal of Materials Chemistry C*, **2019**, 7, 5394-5400	7.1	25
51	Ionic-Liquid-Based Electroactive Polymer Composites for Muscle Tissue Engineering. *ACS Applied Polymer Materials*, **2019**, 1, 2649-2658	4.3	24
50	Tailoring Bacteria Response by Piezoelectric Stimulation. *ACS Applied Materials & Interfaces*, **2019**, 11, 27297-27305	9.5	23
49	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	4.5	21
48	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	9.3	20
47	Human Mesenchymal Stem Cells Growth and Osteogenic Differentiation on Piezoelectric Poly(vinylidene fluoride) Microsphere Substrates. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	20
46	Thermal Properties of Electrospun Poly(Lactic Acid) Membranes. *Journal of Macromolecular Science - Physics*, **2012**, 51, 411-424	1.4	20
45	Chitosan patterning on titanium implants. *Progress in Organic Coatings*, **2017**, 111, 23-28	4.8	19
44	Magnetically Controlled Drug Release System through Magnetomechanical Actuation. *Advanced Healthcare Materials*, **2016**, 5, 3027-3034	10.1	19
43	Silk fibroin magnetoactive nanocomposite films and membranes for dynamic bone tissue engineering strategies. *Materialia*, **2020**, 12, 100709	3.2	17
42	Piezo- and Magnetoelectric Polymers as Biomaterials for Novel Tissue Engineering Strategies. *MRS Advances*, **2018**, 3, 1671-1676	0.7	17
41	Electroactive Polymers as Actuators **2017**, 319-352		17

40	Tailored Biodegradable and Electroactive Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Based Morphologies for Tissue Engineering Applications. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	15
39	Physically Active Bioreactors for Tissue Engineering Applications. *Advanced Biology*, **2020**, 4, e2000125	3.5	15
38	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. *Science and Technology of Advanced Materials*, **2011**, 12, 015001	7.1	13
37	Reconfigurable 3D-printable magnets with improved maximum energy product. *Journal of Materials Chemistry C*, **2020**, 8, 952-958	7.1	13
36	Multifunctional Platform Based on Electroactive Polymers and Silica Nanoparticles for Tissue Engineering Applications. *Nanomaterials*, **2018**, 8,	5.4	13
35	Ionic Liquid-Based Materials for Biomedical Applications. *Nanomaterials*, **2021**, 11,	5.4	13
34	Magnetically Activated Electroactive Microenvironments for Skeletal Muscle Tissue Regeneration.. *ACS Applied Bio Materials*, **2020**, 3, 4239-4252	4.1	12
33	Improving Magnetoelectric Contactless Sensing and Actuation through Anisotropic Nanostructures. *Journal of Physical Chemistry C*, **2018**, 122, 19189-19196	3.8	12
32	Surface Charge-Mediated Cell-Surface Interaction on Piezoelectric Materials. *ACS Applied Materials & Interfaces*, **2020**, 12, 191-199	9.5	12
31	Design and validation of a biomechanical bioreactor for cartilage tissue culture. *Biomechanics and Modeling in Mechanobiology*, **2016**, 15, 471-8	3.8	11
30	Tuning Myoblast and Preosteoblast Cell Adhesion Site, Orientation, and Elongation through Electroactive Micropatterned Scaffolds.. *ACS Applied Bio Materials*, **2019**, 2, 1591-1602	4.1	10
29	Polymeric Electrospun Fibrous Dressings for Topical Co-delivery of Acyclovir and Omega-3 Fatty Acids. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 390	5.8	10
28	Magnetic Bioreactor for Magneto-, Mechano- and Electroactive Tissue Engineering Strategies. *Sensors*, **2020**, 20,	3.8	9
27	Morphology Dependence Degradation of Electro- and Magnetoactive Poly(3-hydroxybutyrate-co-hydroxyvalerate) for Tissue Engineering Applications. *Polymers*, **2020**, 12,	4.5	9
26	Piezoresistive sensors for force mapping of hip-prostheses. *Sensors and Actuators A: Physical*, **2013**, 195, 133-138	3.9	9
25	Connecting free volume with shape memory properties in noncytotoxic gamma-irradiated polycyclooctene. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 1080-1088	2.6	9
24	Tailoring Electrospun Poly(l-lactic acid) Nanofibers as Substrates for Microfluidic Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 60-69	9.5	9
23	Development of bio-hybrid piezoresistive nanocomposites using silk-elastin protein copolymers. *Composites Science and Technology*, **2019**, 172, 134-142	8.6	8

22	Silica nanoparticles surface charge modulation of the electroactive phase content and physical-chemical properties of poly(vinylidene fluoride) nanocomposites. *Composites Part B: Engineering*, **2020**, 185, 107786	10	7
21	Fabrication of poly(lactic acid)-poly(ethylene oxide) electrospun membranes with controlled micro to nanofiber sizes. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 6746-53	1.3	7
20	Metamorphic biomaterials **2017**, 69-99		5
19	Mechanical fatigue performance of PCL-chondroprogenitor constructs after cell culture under bioreactor mechanical stimulus. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 330-8	3.5	5
18	Printed multifunctional magnetically activated energy harvester with sensing capabilities. *Nano Energy*, **2022**, 94, 106885	17.1	4
17	Micro- and nanostructured piezoelectric polymers. *Frontiers of Nanoscience*, **2019**, 35-65	0.7	3
16	Electroactive poly(vinylidene fluoride) electrospun fiber mats coated with polyaniline and polypyrrole for tissue regeneration applications. *Reactive and Functional Polymers*, **2022**, 170, 105118	4.6	3
15	Patterned Piezoelectric Scaffolds for Osteogenic Differentiation. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
14	Biodegradable Hydrogels Loaded with Magnetically Responsive Microspheres as 2D and 3D Scaffolds. *Nanomaterials*, **2020**, 10,	5.4	3
13	Electroactive poly(vinylidene fluoride)-based materials: recent progress, challenges, and opportunities **2020**, 1-43		2
12	Multidimensional Biomechanics Approaches Though Electrically and Magnetically Active Microenvironments **2019**, 253-267		2
11	Electrospun Polymeric Smart Materials for Tissue Engineering Applications **2017**, 251-282		2
10	Environmentally Friendly Conductive Screen-Printable Inks Based on N-Doped Graphene and Polyvinylpyrrolidone. *Advanced Engineering Materials*,2101258	3.5	2
9	Poly(lactic-co-glycolide) based biodegradable electrically and magnetically active microenvironments for tissue regeneration applications. *European Polymer Journal*, **2022**, 111197	5.2	2
8	Immunomodulatory and regenerative effects of the full and fractioned adipose tissue derived stem cells secretome in spinal cord injury.. *Experimental Neurology*, **2022**, 113989	5.7	1
7	Tuning magnetic response and ionic conductivity of electrospun hybrid membranes for tissue regeneration strategies. *Polymers for Advanced Technologies*,	3.2	1
6	Fractionating stem cells secretome for Parkinson¥s disease modeling: Is it the whole better than the sum of its parts?. *Biochimie*, **2021**, 189, 87-98	4.6	1
5	Natural based reusable materials for microfluidic substrates: The silk road towards sustainable portable analytical systems. *Applied Materials Today*, **2022**, 28, 101507	6.6	1

4	Greener Solvent-Based Processing of Magnetoelectric Nanocomposites. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 4122-4132	8.3	0
3	Ionic liquid modified electroactive polymer-based microenvironments for tissue engineering. *Polymer*, **2022**, 246, 124731	3.9	0
2	Electroactive functional microenvironments from bioactive polymers: A new strategy to address cancer **2022**, 212849		0
1	Piezoelectric Polymers and Polymer Composites for Sensors and Actuators **2018**,		