

Clarisse Ribeiro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

3,593
citations

33
h-index

58
g-index

101
ext. papers

4,317
ext. citations

5.6
avg, IF

5.59
L-index

#	Paper	IF	Citations
93	Immunomodulatory and regenerative effects of the full and fractioned adipose tissue derived stem cells secretome in spinal cord injury.. <i>Experimental Neurology</i> , 2022 , 113989	5.7	1
92	Electroactive poly(vinylidene fluoride) electrospun fiber mats coated with polyaniline and polypyrrole for tissue regeneration applications. <i>Reactive and Functional Polymers</i> , 2022 , 170, 105118	4.6	3
91	Printed multifunctional magnetically activated energy harvester with sensing capabilities. <i>Nano Energy</i> , 2022 , 94, 106885	17.1	4
90	Greener Solvent-Based Processing of Magnetoelectric Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 4122-4132	8.3	0
89	Ionic liquid modified electroactive polymer-based microenvironments for tissue engineering. <i>Polymer</i> , 2022 , 246, 124731	3.9	0
88	Poly(lactic-co-glycolide) based biodegradable electrically and magnetically active microenvironments for tissue regeneration applications. <i>European Polymer Journal</i> , 2022 , 111197	5.2	2
87	Natural based reusable materials for microfluidic substrates: The silk road towards sustainable portable analytical systems. <i>Applied Materials Today</i> , 2022 , 28, 101507	6.6	1
86	Electroactive functional microenvironments from bioactive polymers: A new strategy to address cancer 2022 , 212849		0
85	Ionic Liquid-Based Materials for Biomedical Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	13
84	Fractionating stem cells secretome for Parkinson's disease modeling: Is it the whole better than the sum of its parts?. <i>Biochimie</i> , 2021 , 189, 87-98	4.6	1
83	Magnetically Activated Electroactive Microenvironments for Skeletal Muscle Tissue Regeneration.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4239-4252	4.1	12
82	Magnetic Bioreactor for Magneto-, Mechano- and Electroactive Tissue Engineering Strategies. <i>Sensors</i> , 2020 , 20,	3.8	9
81	Silk fibroin magnetoactive nanocomposite films and membranes for dynamic bone tissue engineering strategies. <i>Materialia</i> , 2020 , 12, 100709	3.2	17
80	Electroactive poly(vinylidene fluoride)-based materials: recent progress, challenges, and opportunities 2020 , 1-43		2
79	Silica nanoparticles surface charge modulation of the electroactive phase content and physical-chemical properties of poly(vinylidene fluoride) nanocomposites. <i>Composites Part B: Engineering</i> , 2020 , 185, 107786	10	7
78	Morphology Dependence Degradation of Electro- and Magnetoactive Poly(3-hydroxybutyrate-co-hydroxyvalerate) for Tissue Engineering Applications. <i>Polymers</i> , 2020 , 12,	4.5	9
77	Reconfigurable 3D-printable magnets with improved maximum energy product. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 952-958	7.1	13

76	Surface Charge-Mediated Cell-Surface Interaction on Piezoelectric Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 191-199	9.5	12
75	Tailoring Electrospun Poly(l-lactic acid) Nanofibers as Substrates for Microfluidic Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 60-69	9.5	9
74	Patterned Piezoelectric Scaffolds for Osteogenic Differentiation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
73	Physically Active Bioreactors for Tissue Engineering Applications. <i>Advanced Biology</i> , 2020 , 4, e2000125	3.5	15
72	Biodegradable Hydrogels Loaded with Magnetically Responsive Microspheres as 2D and 3D Scaffolds. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
71	Ionic-Liquid-Based Electroactive Polymer Composites for Muscle Tissue Engineering. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2649-2658	4.3	24
70	Development of bio-hybrid piezoresistive nanocomposites using silk-elastin protein copolymers. <i>Composites Science and Technology</i> , 2019 , 172, 134-142	8.6	8
69	Hydrogel-based magnetoelectric microenvironments for tissue stimulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 1041-1047	6	30
68	All-printed multilayer materials with improved magnetoelectric response. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5394-5400	7.1	25
67	Tuning Myoblast and Preosteoblast Cell Adhesion Site, Orientation, and Elongation through Electroactive Micropatterned Scaffolds.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1591-1602	4.1	10
66	Tailoring Bacteria Response by Piezoelectric Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27297-27305	9.5	23
65	Multidimensional Biomechanics Approaches Though Electrically and Magnetically Active Microenvironments 2019 , 253-267		2
64	Micro- and nanostructured piezoelectric polymers. <i>Frontiers of Nanoscience</i> , 2019 , 35-65	0.7	3
63	Bioinspired Three-Dimensional Magnetoactive Scaffolds for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45265-45275	9.5	56
62	Polymeric Electrospun Fibrous Dressings for Topical Co-delivery of Acyclovir and Omega-3 Fatty Acids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 390	5.8	10
61	Improved response of ionic liquid-based bending actuators by tailored interaction with the polar fluorinated polymer matrix. <i>Electrochimica Acta</i> , 2019 , 296, 598-607	6.7	38
60	Piezo- and Magnetoelectric Polymers as Biomaterials for Novel Tissue Engineering Strategies. <i>MRS Advances</i> , 2018 , 3, 1671-1676	0.7	17
59	Advances in Magnetic Nanoparticles for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700845	10.1	277

58	Silk fibroin-magnetic hybrid composite electrospun fibers for tissue engineering applications. <i>Composites Part B: Engineering</i> , 2018 , 141, 70-75	10	68
57	Electroactive poly(vinylidene fluoride)-based structures for advanced applications. <i>Nature Protocols</i> , 2018 , 13, 681-704	18.8	320
56	Electroactive biomaterial surface engineering effects on muscle cells differentiation. <i>Materials Science and Engineering C</i> , 2018 , 92, 868-874	8.3	30
55	Improving Magnetoelectric Contactless Sensing and Actuation through Anisotropic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19189-19196	3.8	12
54	Tailored Biodegradable and Electroactive Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Based Morphologies for Tissue Engineering Applications. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	15
53	Fluorinated Polymers as Smart Materials for Advanced Biomedical Applications. <i>Polymers</i> , 2018 , 10,	4.5	133
52	Relation between fiber orientation and mechanical properties of nano-engineered poly(vinylidene fluoride) electrospun composite fiber mats. <i>Composites Part B: Engineering</i> , 2018 , 139, 146-154	10	42
51	Multifunctional Platform Based on Electroactive Polymers and Silica Nanoparticles for Tissue Engineering Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	13
50	Piezoelectric Polymers and Polymer Composites for Sensors and Actuators 2018 ,		
49	Chitosan patterning on titanium implants. <i>Progress in Organic Coatings</i> , 2017 , 111, 23-28	4.8	19
48	Magnetoelectric response on Terfenol-D/ P(VDF-TrFE) two-phase composites. <i>Composites Part B: Engineering</i> , 2017 , 120, 97-102	10	32
47	Nanodiamonds/poly(vinylidene fluoride) composites for tissue engineering applications. <i>Composites Part B: Engineering</i> , 2017 , 111, 37-44	10	33
46	In vivo demonstration of the suitability of piezoelectric stimuli for bone reparation. <i>Materials Letters</i> , 2017 , 209, 118-121	3.3	48
45	Electroactive Polymers as Actuators 2017 , 319-352		17
44	Electrospun Polymeric Smart Materials for Tissue Engineering Applications 2017 , 251-282		2
43	Metamorphic biomaterials 2017 , 69-99		5
42	Human Mesenchymal Stem Cells Growth and Osteogenic Differentiation on Piezoelectric Poly(vinylidene fluoride) Microsphere Substrates. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	20
41	Design and validation of a biomechanical bioreactor for cartilage tissue culture. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016 , 15, 471-8	3.8	11

40	Electromechanical actuators based on poly(vinylidene fluoride) with [N1 1 1 2(OH)][NTf2] and [C2mim] [C2SO4]. <i>Journal of Materials Science</i> , 2016 , 51, 9490-9503	4.3	34
39	Magnetically Controlled Drug Release System through Magnetomechanical Actuation. <i>Advanced Healthcare Materials</i> , 2016 , 5, 3027-3034	10.1	19
38	Processing and size range separation of pristine and magnetic poly(L-lactic acid) based microspheres for biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2016 , 476, 79-86	9.3	20
37	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. <i>Journal of Materials Science</i> , 2016 , 51, 4442-4450	4.3	40
36	Superhydrophilic poly(L-lactic acid) electrospun membranes for biomedical applications obtained by argon and oxygen plasma treatment. <i>Applied Surface Science</i> , 2016 , 371, 74-82	6.7	31
35	Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene fluoride). <i>Materials and Design</i> , 2016 , 92, 674-681	8.1	46
34	Proving the suitability of magnetoelectric stimuli for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 430-436	6	99
33	Mechanical fatigue performance of PCL-chondroprogenitor constructs after cell culture under bioreactor mechanical stimulus. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 330-8	3.5	5
32	Surface roughness dependent osteoblast and fibroblast response on poly(L-lactide) films and electrospun membranes. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 2260-8	5.4	43
31	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. <i>Progress in Organic Coatings</i> , 2015 , 85, 151-158	4.8	59
30	Piezoelectric polymers as biomaterials for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 46-55	6	274
29	Connecting free volume with shape memory properties in noncytotoxic gamma-irradiated polycyclooctene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 1080-1088	2.6	9
28	Poly(vinylidene fluoride) and copolymers as porous membranes for tissue engineering applications. <i>Polymer Testing</i> , 2015 , 44, 234-241	4.5	76
27	Dynamic piezoelectric stimulation enhances osteogenic differentiation of human adipose stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 2172-5	5.4	107
26	Piezoelectric poly(vinylidene fluoride) microstructure and poling state in active tissue engineering. <i>Engineering in Life Sciences</i> , 2015 , 15, 351-356	3.4	70
25	Enhancement of adhesion and promotion of osteogenic differentiation of human adipose stem cells by poled electroactive poly(vinylidene fluoride). <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 919-28	5.4	50
24	Effect of filler content on morphology and physical/chemical characteristics of poly(vinylidene fluoride)/NaY zeolite-filled membranes. <i>Journal of Materials Science</i> , 2014 , 49, 3361-3370	4.3	26
23	Electrosprayed poly(vinylidene fluoride) microparticles for tissue engineering applications. <i>RSC Advances</i> , 2014 , 4, 33013-33021	3.7	61

22	Electrospun styreneButadieneStyrene elastomer copolymers for tissue engineering applications: Effect of butadiene/styrene ratio, block structure, hydrogenation and carbon nanotube loading on physical properties and cytotoxicity. <i>Composites Part B: Engineering</i> , 2014 , 67, 30-38	10	44
21	PHB-PEO electrospun fiber membranes containing chlorhexidine for drug delivery applications. <i>Polymer Testing</i> , 2014 , 34, 64-71	4.5	76
20	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. <i>Polymer Engineering and Science</i> , 2014 , 54, 1608-1617	2.3	30
19	Effect of poling state and morphology of piezoelectric poly(vinylidene fluoride) membranes for skeletal muscle tissue engineering. <i>RSC Advances</i> , 2013 , 3, 17938	3.7	103
18	Osteoblast, fibroblast and in vivo biological response to poly(vinylidene fluoride) based composite materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 395-403	4.5	34
17	Piezoresistive sensors for force mapping of hip-prostheses. <i>Sensors and Actuators A: Physical</i> , 2013 , 195, 133-138	3.9	9
16	Bioactive albumin functionalized polylactic acid membranes for improved biocompatibility. <i>Reactive and Functional Polymers</i> , 2013 , 73, 1399-1404	4.6	26
15	Influence of fiber diameter and crystallinity on the stability of electrospun poly(L-lactic acid) membranes to hydrolytic degradation. <i>Polymer Testing</i> , 2012 , 31, 770-776	4.5	21
14	Local piezoelectric activity of single poly(L-lactic acid) (PLLA) microfibers. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 51-55	2.6	48
13	Fiber average size and distribution dependence on the electrospinning parameters of poly(vinylidene fluorideTrifluoroethylene) membranes for biomedical applications. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 685-691	2.6	32
12	Local piezoelectric response of single poly(vinylidene fluoride) electrospun fibers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 2605-2609	1.6	38
11	Thermal Properties of Electrospun Poly(Lactic Acid) Membranes. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 411-424	1.4	20
10	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. <i>Biomedical Materials (Bristol)</i> , 2012 , 7, 035004	3.5	69
9	Physical-chemical properties of cross-linked chitosan electrospun fiber mats. <i>Polymer Testing</i> , 2012 , 31, 1062-1069	4.5	40
8	Influence of crystallinity and fiber orientation on hydrophobicity and biological response of poly(L-lactide) electrospun mats. <i>Soft Matter</i> , 2012 , 8, 5818	3.6	54
7	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. <i>RSC Advances</i> , 2012 , 2, 11504	3.7	82
6	Fabrication of poly(lactic acid)-poly(ethylene oxide) electrospun membranes with controlled micro to nanofiber sizes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6746-53	1.3	7
5	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 015001	7.1	93

4	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 015001	7.1	13
3	Influence of Processing Conditions on Polymorphism and Nanofiber Morphology of Electroactive Poly(vinylidene fluoride) Electrospun Membranes. <i>Soft Materials</i> , 2010 , 8, 274-287	1.7	201
2	Tuning magnetic response and ionic conductivity of electrospun hybrid membranes for tissue regeneration strategies. <i>Polymers for Advanced Technologies</i> ,	3.2	1
1	Environmentally Friendly Conductive Screen-Printable Inks Based on N-Doped Graphene and Polyvinylpyrrolidone. <i>Advanced Engineering Materials</i> , 2101258	3.5	2