

# Pierre-Alexis Mouthuy

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

999  
citations

759233

12  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Humanoid robots to mechanically stress human cells grown in soft bioreactors. , 2022, 1, .		8
2	In vitro evaluation of the response of human tendonâ€derived stromal cells to a novel electrospun suture for tendon repair. Translational Sports Medicine, 2021, 4, 409-418.	1.1	6
3	Early development of a polycaprolactone electrospun augment for anterior cruciate ligament reconstruction. Materials Science and Engineering C, 2021, 129, 112414.	7.3	5
4	Polydioxanone implants: A systematic review on safety and performance in patients. Journal of Biomaterials Applications, 2020, 34, 902-916.	2.4	48
5	Histopathological and immunohistochemical evaluation of cellular response to a woven and electrospun polydioxanone (PDO) and polycaprolactone (PCL) patch for tendon repair. Scientific Reports, 2020, 10, 4754.	3.3	23
6	Histological evaluation of cellular response to a multifilament electrospun suture for tendon repair. PLoS ONE, 2020, 15, e0234982.	2.5	8
7	Short Overview of ROS as Cell Function Regulators and Their Implications in Therapy Concepts. Cells, 2019, 8, 793.	4.1	192
8	Biomaterials: Electrospinning. , 2019, , 424-441.		2
9	Pyridine as an additive to improve the deposition of continuous electrospun filaments. PLoS ONE, 2019, 14, e0214419.	2.5	9
10	Direct electrospinning of poly(vinyl butyral) onto human dermal fibroblasts using a portable device. Biotechnology Letters, 2018, 40, 737-744.	2.2	26
11	Multifilament electrospun scaffolds for soft tissue reconstruction. , 2018, , 295-328.		2
12	Using an industrial braiding machine to upscale the production and modulate the design of electrospun medical yarns. Polymer Testing, 2018, 69, 188-198.	4.8	12
13	Effect of annealing on the mechanical properties and the degradation of electrospun polydioxanone filaments. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 67, 127-134.	3.1	32
14	Growing tissue grafts on humanoid robots: A future strategy in regenerative medicine?. Science Robotics, 2017, 2, .	17.6	9
15	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162.	9.0	242
16	Synthetic sutures: Clinical evaluation and future developments. Journal of Biomaterials Applications, 2017, 32, 410-421.	2.4	26
17	Investigating the use of curcumin-loaded electrospun filaments for soft tissue repair applications. International Journal of Nanomedicine, 2017, Volume 12, 3977-3991.	6.7	24
18	Biocompatibility of implantable materials: An oxidative stress viewpoint. Biomaterials, 2016, 109, 55-68.	11.4	158

#	ARTICLE	IF	CITATIONS
19	Fabrication of continuous electrospun filaments with potential for use as medical fibres. <i>Biofabrication</i> , 2015, 7, 025006.	7.1	55
20	Performances of a portable electrospinning apparatus. <i>Biotechnology Letters</i> , 2015, 37, 1107-1116.	2.2	48
21	A layered electrospun and woven surgical scaffold to enhance endogenous tendon repair. <i>Acta Biomaterialia</i> , 2015, 26, 124-135.	8.3	60
22	74â€¦Polydioxanone Electrospun Filaments To Mimic Tendon Hierarchical Architecture. <i>British Journal of Sports Medicine</i> , 2014, 48, A48-A48.	6.7	4