Lorenzo Vannozzi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8868582/publications.pdf

Version: 2024-02-01

24	504	759055 12	752573 20
papers	citations	h-index	g-index

25	25	25	640
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Piezoelectric Nanomaterials Activated by Ultrasound: The Pathway from Discovery to Future Clinical Adoption. ACS Nano, 2021, 15, 11066-11086.	7.3	102
2	Selfâ€Folded Hydrogel Tubes for Implantable Muscular Tissue Scaffolds. Macromolecular Bioscience, 2018, 18, e1700377.	2.1	57
3	Advanced Micro-Nano-Bio Systems for Future Targeted Therapies. Current Nanoscience, 2015, 11, 144-160.	0.7	42
4	Graphene Oxideâ€Doped Gellan Gumâ€“PEGDA Bilayered Hydrogel Mimicking the Mechanical and Lubrication Properties of Articular Cartilage. Advanced Healthcare Materials, 2021, 10, e2001434.	3.9	41
5	3D porous polyurethanes featured by different mechanical properties: Characterization and interaction with skeletal muscle cells. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 147-159.	1.5	32
6	Nanostructured ultra-thin patches for ultrasound-modulated delivery of anti-restenotic drug. International Journal of Nanomedicine, 2016, 11, 69.	3.3	30
7	Biohybrid Actuators Based on Skeletal Muscle-Powered Microgrooved Ultrathin Films Consisting of Poly(styrene-block-butadiene-block-styrene). ACS Biomaterials Science and Engineering, 2019, 5, 5734-5743.	2.6	30
8	Novel Ultrathin Films Based on a Blend of PEG-b-PCL and PLLA and Doped with ZnO Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 21398-21410.	4.0	26
9	Electrical and Mechanical Characterisation of Single Wall Carbon Nanotubes Based Composites for Tissue Engineering Applications. Journal of Nanoscience and Nanotechnology, 2013, 13, 188-197.	0.9	22
10	Small-caliber vascular grafts based on a piezoelectric nanocomposite elastomer: Mechanical properties and biocompatibility. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 97, 138-148.	1.5	18
11	Graphene Oxide and Reduced Graphene Oxide Nanoflakes Coated with Glycol Chitosan, Propylene Glycol Alginate, and Polydopamine: Characterization and Cytotoxicity in Human Chondrocytes. Nanomaterials, 2021, 11, 2105.	1.9	18
12	Nanocomposite thin films for triggerable drug delivery. Expert Opinion on Drug Delivery, 2018, 15, 509-522.	2.4	15
13	Fabrication, Characterization, and Properties of Poly (Ethylene-Co-Vinyl Acetate) Composite Thin Films Doped with Piezoelectric Nanofillers. Nanomaterials, 2019, 9, 1182.	1.9	14
14	Wear Behavior Characterization of Hydrogels Constructs for Cartilage Tissue Replacement. Materials, 2021, 14, 428.	1.3	11
15	Monolithic Three-Dimensional Functionally Graded Hydrogels for Bioinspired Soft Robots Fabrication. Soft Robotics, 2021, , .	4.6	10
16	Combined Effects of Electrical Stimulation and Protein Coatings on Myotube Formation in a Soft Porous Scaffold. Annals of Biomedical Engineering, 2020, 48, 734-746.	1.3	9
17	RGD-Functionalized Hydrogel Supports the Chondrogenic Commitment of Adipose Mesenchymal Stromal Cells. Gels, 2022, 8, 382.	2.1	8
18	Primers for the Adhesion of Gellan Gumâ€Based Hydrogels to the Cartilage: A Comparative Study. Macromolecular Bioscience, 2022, 22, .	2.1	8

#	Article	IF	Citations
19	A Coupled FEMâ€SPH Modeling Technique to Investigate the Contractility of Biohybrid Thin Films. Advanced Biology, 2020, 4, e1900306.	3.0	6
20	Microgrooved ultra-thin films as building blocks of future bio-hybrid actuators. , 2015, 2015, 354-7.		2
21	Biohybrid Microrobots. , 2022, , 305-347.		1
22	Effects of the 3D Geometry Reconstruction on the Estimation of 3D Porous Scaffold Permeability. , 2021, 2021, 4403-4407.		1
23	Cartilage Substitutes: Graphene Oxideâ€Doped Gellan Gumâ€“PEGDA Bilayered Hydrogel Mimicking the Mechanical and Lubrication Properties of Articular Cartilage (Adv. Healthcare Mater. 7/2021). Advanced Healthcare Materials, 2021, 10, 2170029.	3.9	0
24	Thermal Analysis of Paraffin-Embedded Tissue Blocks for Anatomic Pathology Processes. Journal of Biomechanical Engineering, 2021, 143, .	0.6	0