

Luca Gasperini

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,633
citations

706676

14
h-index

889612

19
g-index

21
all docs

21
docs citations

21
times ranked

3201
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and experimental simulation of a dynamic-rotational 3D cell culture for stratified living tissue models. <i>Biofabrication</i> , 2022, 14, 025022.	3.7	2
2	Bioinks Enriched with ECM Components Obtained by Supercritical Extraction. <i>Biomolecules</i> , 2022, 12, 394.	1.8	5
3	Rescuing key native traits in cultured dermal papilla cells for human hair regeneration. <i>Journal of Advanced Research</i> , 2021, 30, 103-112.	4.4	21
4	Microscopy-aided laser ablation for the creation of complex skin models with folliculoid appendages. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10195.	3.9	4
5	3D flow-focusing microfluidic biofabrication: One-chip-fits-all hydrogel fiber architectures. <i>Applied Materials Today</i> , 2021, 23, 101013.	2.3	17
6	Convection patterns gradients of non-living and living micro-entities in hydrogels. <i>Applied Materials Today</i> , 2020, 21, 100859.	2.3	3
7	High-throughput fabrication of cell-laden 3D biomaterial gradients. <i>Materials Horizons</i> , 2020, 7, 2414-2421.	6.4	20
8	The stiffness of living tissues and its implications for tissue engineering. <i>Nature Reviews Materials</i> , 2020, 5, 351-370.	23.3	756
9	Microfluidics for Processing of Biomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1230, 15-25.	0.8	2
10	3D Bioprinting Technology: Scientific Aspects and Ethical Issues. <i>Science and Engineering Ethics</i> , 2018, 24, 335-348.	1.7	16
11	Control of osmotic pressure to improve cell viability in cell-laden tissue engineering constructs. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1063-e1067.	1.3	22
12	Synthesis, mechanical and thermal rheological properties of new gellan gum derivatives. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 646-653.	3.6	40
13	Microengineered Multicomponent Hydrogel Fibers: Combining Polyelectrolyte Complexation and Microfluidics. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1322-1331.	2.6	45
14	Microfluidic production of hyaluronic acid derivative microfibers to control drug release. <i>Materials Letters</i> , 2016, 182, 309-313.	1.3	19
15	Autonomous osteogenic differentiation of hASCs encapsulated in methacrylated gellan-gum hydrogels. <i>Acta Biomaterialia</i> , 2016, 41, 119-132.	4.1	47
16	Assessing the Impact of Electrohydrodynamic Jetting on Encapsulated Cell Viability, Proliferation, and Ability to Self-Assemble in Three-Dimensional Structures. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 631-638.	1.1	20
17	An Electrohydrodynamic Bioprinter for Alginate Hydrogels Containing Living Cells. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 123-132.	1.1	69
18	Natural polymers for the microencapsulation of cells. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140817.	1.5	480

#	ARTICLE	IF	CITATIONS
19	Microencapsulation of cells in alginate through an electrohydrodynamic process. Journal of Bioactive and Compatible Polymers, 2013, 28, 413-425.	0.8	45