Carlos F GuimarÃ£es

List of Publications by Year
in descending order

12	1,188	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	2044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The stiffness of living tissues and its implications for tissue engineering. Nature Reviews Materials, 2020, 5, 351-370.	48.7	756
2	KRAS Oncogenic Signaling Extends beyond Cancer Cells to Orchestrate the Microenvironment. Cancer Research, 2018, 78, 7-14.	0.9	153
3	Screening Platform for Cell Contact Guidance Based on Inorganic Biomaterial Micro/nanotopographical Gradients. ACS Applied Materials & Interfaces, 2017, 9, 31433-31445.	8.0	67
4	Engineering Hydrogelâ€Based Biomedical Photonics: Design, Fabrication, and Applications. Advanced Materials, 2021, 33, e2006582.	21.0	62
5	Development of a Novel Orthogonal Double Gradient for Highâ€Throughput Screening of Mesenchymal Stem Cellsâ€“Materials Interaction. Advanced Materials Interfaces, 2018, 5, 1800504.	3.7	24
6	Wearable Collector for Noninvasive Sampling of SARS-CoV-2 from Exhaled Breath for Rapid Detection. ACS Applied Materials & Interfaces, 2021, 13, 41445-41453.	8.0	24
7	Engineering Polysaccharideâ€Based Hydrogel Photonic Constructs: From Multiscale Detection to the Biofabrication of Living Optical Fibers. Advanced Materials, 2021, 33, e2105361.	21.0	21
8	Pushing the Natural Frontier: Progress on the Integration of Biomaterial Cues toward Combinatorial Biofabrication and Tissue Engineering. Advanced Materials, 2022, 34, e2105645.	21.0	21
9	High-throughput fabrication of cell-laden 3D biomaterial gradients. Materials Horizons, 2020, 7, 2414-2421.	12.2	20
10	3D flow-focusing microfluidic biofabrication: One-chip-fits-all hydrogel fiber architectures. Applied Materials Today, 2021, 23, 101013.	4.3	17
11	Microfluidic mixing system for precise PLGA-PEG nanoparticles size control. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 40, 102482.	3.3	17
12	Emerging biofabrication approaches for gastrointestinal organoids towards patient specific cancer models. Cancer Letters, 2021, 504, 116-124.	7.2	5