

Filippos Turlomousis

List of Publications by Year in descending order

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17
papers

286
citations

1163117

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1474206

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all docs

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docs citations

17
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Toughening and Healing of CFRPs by Diels-Alder-Based Nano-Modified Resin through Melt Electro-Writing Process Technique. International Journal of Molecular Sciences, 2022, 23, 3663.	4.1	2
2	Discretely assembled mechanical metamaterials. Science Advances, 2020, 6, .	10.3	88
3	Machine learning metrology of cell confinement in melt electrowritten three-dimensional biomaterial substrates. Microsystems and Nanoengineering, 2019, 5, 15.	7.0	59
4	Investigation of Cellular Confinement in Three-Dimensional Microscale Fibrous Substrates: Fabrication and Metrology. Journal of Micro and Nano-Manufacturing, 2018, 6, .	0.7	0
5	Influence of Transition Metal Dichalcogenide Surfaces on Cellular Morphology and Adhesion. ACS Applied Bio Materials, 2018, 1, 1448-1457.	4.6	16
6	Bioprinting multidimensional constructs: a quantitative approach to understanding printed cell density and redistribution phenomena. Biomedical Physics and Engineering Express, 2017, 3, 035016.	1.2	12
7	Melt Electrospinning Writing Process Guided by a "Printability Number". Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	45
8	Dimensional Metrology of Cell-matrix Interactions in 3D Microscale Fibrous Substrates. Procedia CIRP, 2017, 65, 32-37.	1.9	24
9	Towards Resolution Enhancement and Process Repeatability With a Melt Electrospinning Writing Process: Design and Protocol Considerations. , 2016, , .		5
10	Design of a Skin Grafting Methodology for Burn Wound Using an Additive Biomanufacturing System Guided by Hyperspectral Imaging. , 2016, , .		2
11	Numerical investigation of dynamic microorgan devices as drug screening platforms. Part I: Macroscale modeling approach & validation. Biotechnology and Bioengineering, 2016, 113, 612-622.	3.3	13
12	Numerical investigation of dynamic microorgan devices as drug screening platforms. Part II: Microscale modeling approach and validation. Biotechnology and Bioengineering, 2016, 113, 623-634.	3.3	8
13	Design of a Personalized Skin Grafting Methodology Using an Additive Biomanufacturing System Guided by 3D Photogrammetry. , 2015, , .		0
14	A Novel Melt Electrospinning System for Studying Cell Substrate Interactions. , 2015, , .		5
15	Organ Printing. , 2015, , 333-347.		5
16	2D and 3D Multiscale Computational Modeling of Dynamic Microorgan Devices as Drug Screening Platforms. , 2015, , .		1
17	Computational Modeling of 3D Printed Tissue-on-a-Chip Microfluidic Devices as Drug Screening Platforms. , 2014, , .		1