

Martin L Tomov

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

460
citations

687220

13
h-index

839398

18
g-index

23
all docs

23
docs citations

23
times ranked

641
citing authors

#	ARTICLE	IF	CITATIONS
1	Embedded 3D Bioprinting of Gelatin Methacryloyl-Based Constructs with Highly Tunable Structural Fidelity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44563-44577.	4.0	89
2	Derivation of Ethnically Diverse Human Induced Pluripotent Stem Cell Lines. <i>Scientific Reports</i> , 2015, 5, 15234.	1.6	36
3	Cardiovascular tissue bioprinting: Physical and chemical processes. <i>Applied Physics Reviews</i> , 2018, 5, 041106.	5.5	36
4	In Vivo Tracking of Tissue Engineered Constructs. <i>Micromachines</i> , 2019, 10, 474.	1.4	32
5	Biomechanical factors in three-dimensional tissue bioprinting. <i>Applied Physics Reviews</i> , 2020, 7, 041319.	5.5	30
6	Biomaterial approaches for cardiovascular tissue engineering. <i>Emergent Materials</i> , 2019, 2, 193-207.	3.2	29
7	Engineering Functional Cardiac Tissues for Regenerative Medicine Applications. <i>Current Cardiology Reports</i> , 2019, 21, 105.	1.3	28
8	Patientâ€Specific 3â€Dimensionalâ€Bioprinted Model for In Vitro Analysis and Treatment Planning of Pulmonary Artery Atresia in Tetralogy of Fallot and Major Aortopulmonary Collateral Arteries. <i>Journal of the American Heart Association</i> , 2019, 8, e014490.	1.6	23
9	3D Bioprinted Bacteriostatic Hyperelastic Bone Scaffold for Damage-Specific Bone Regeneration. <i>Polymers</i> , 2021, 13, 1099.	2.0	22
10	Distinct and Shared Determinants of Cardiomyocyte Contractility in Multi-Lineage Competent Ethnically Diverse Human iPSCs. <i>Scientific Reports</i> , 2016, 6, 37637.	1.6	20
11	Patientâ€Specific 3D Bioprinted Models of Developing Human Heart. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001169.	3.9	18
12	Ventilated Upper Airway Endoscopic Endonasal Procedure Mask: Surgical Safety in the COVID-19 Era. <i>Operative Neurosurgery</i> , 2020, 19, 271-280.	0.4	18
13	A 3D Bioprinted in vitro Model of Neuroblastoma Recapitulates Dynamic Tumorâ€Endothelial Cell Interactions Contributing to Solid Tumor Aggressive Behavior. <i>Advanced Science</i> , 2022, 9, .	5.6	15
14	A 3D Bioprinted In Vitro Model of Pulmonary Artery Atresia to Evaluate Endothelial Cell Response to Microenvironment. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100968.	3.9	13
15	3D Bioprinting of Cardiovascular Tissue Constructs: Cardiac Bioinks. , 2019, , 63-77.		12
16	The Human Embryoid Body Cystic Core Exhibits Architectural Complexity Revealed by use of High Throughput Polymer Microarrays. <i>Macromolecular Bioscience</i> , 2015, 15, 892-900.	2.1	10
17	Adhesive Tissue Engineered Scaffolds: Mechanisms and Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 683079.	2.0	10
18	Resolving cell state in iPSC-derived human neural samples with multiplexed fluorescence imaging. <i>Communications Biology</i> , 2021, 4, 786.	2.0	7

#	ARTICLE	IF	CITATIONS
19	3D Bioprinting in Clinical Cardiovascular Medicine. , 2019, , 149-162.		6
20	Human Embryoid Body Transcriptomes Reveal Maturation Differences Influenced by Size and Formation in Custom Microarrays. Journal of Nanoscience and Nanotechnology, 2016, 16, 8978-8988.	0.9	3
21	Nano-bioink solutions for cardiac tissue bioprinting. , 2020, , 171-185.		3