

# Martin L Tomov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3966699/publications.pdf>

Version: 2024-02-01

21  
papers

460  
citations

687363

13  
h-index

839539

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. ACS Applied Materials & Interfaces, 2020, 12, 44563-44577.	8.0	89
2	Derivation of Ethnically Diverse Human Induced Pluripotent Stem Cell Lines. Scientific Reports, 2015, 5, 15234.	3.3	36
3	Cardiovascular tissue bioprinting: Physical and chemical processes. Applied Physics Reviews, 2018, 5, 041106.	11.3	36
4	In Vivo Tracking of Tissue Engineered Constructs. Micromachines, 2019, 10, 474.	2.9	32
5	Biomechanical factors in three-dimensional tissue bioprinting. Applied Physics Reviews, 2020, 7, 041319.	11.3	30
6	Biomaterial approaches for cardiovascular tissue engineering. Emergent Materials, 2019, 2, 193-207.	5.7	29
7	Engineering Functional Cardiac Tissues for Regenerative Medicine Applications. Current Cardiology Reports, 2019, 21, 105.	2.9	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. Journal of the American Heart Association, 2019, 8, e014490.	3.7	23
9	3D Bioprinted Bacteriostatic Hyperelastic Bone Scaffold for Damage-Specific Bone Regeneration. Polymers, 2021, 13, 1099.	4.5	22
10	Distinct and Shared Determinants of Cardiomyocyte Contractility in Multi-Lineage Competent Ethnically Diverse Human iPSCs. Scientific Reports, 2016, 6, 37637.	3.3	20
11	Patientâ€Specific 3D Bioprinted Models of Developing Human Heart. Advanced Healthcare Materials, 2021, 10, e2001169.	7.6	18
12	Ventilated Upper Airway Endoscopic Endonasal Procedure Mask: Surgical Safety in the COVID-19 Era. Operative Neurosurgery, 2020, 19, 271-280.	0.8	18
13	A 3D Bioprinted in vitro Model of Neuroblastoma Recapitulates Dynamic Tumorâ€Endothelial Cell Interactions Contributing to Solid Tumor Aggressive Behavior. Advanced Science, 2022, 9, .	11.2	15
14	A 3D Bioprinted In Vitro Model of Pulmonary Artery Atresia to Evaluate Endothelial Cell Response to Microenvironment. Advanced Healthcare Materials, 2021, 10, e2100968.	7.6	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. Macromolecular Bioscience, 2015, 15, 892-900.	4.1	10
17	Adhesive Tissue Engineered Scaffolds: Mechanisms and Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 683079.	4.1	10
18	Resolving cell state in iPSC-derived human neural samples with multiplexed fluorescence imaging. Communications Biology, 2021, 4, 786.	4.4	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