

# Byoung Soo Kim

## List of Publications by Year in descending order

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29  
papers

2,605  
citations

394286

19  
h-index

610775

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of 3D Bioprinting Technology in Induced Pluripotent Stem Cells-Based Tissue Engineering. <i>Micromachines</i> , 2022, 13, 155.	1.4	8
2	Engineering Densely Packed Adipose Tissue via Environmentally Controlled In-Bath 3D Bioprinting. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	13
3	Flexible Adipose-Vascular Tissue Assembly Using Combinational 3D Printing for Volume-Stable Soft Tissue Reconstruction. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001693.	3.9	25
4	Construction of a Novel In Vitro Atherosclerotic Model from Geometry-Tunable Artery Equivalents Engineered via In-Bath Coaxial Cell Printing. <i>Advanced Functional Materials</i> , 2021, 31, 2008878.	7.8	51
5	Construction of Tissue-Level Cancer-Vascular Model with High-Precision Position Control via In Situ 3D Cell Printing. <i>Small Methods</i> , 2021, 5, e2100072.	4.6	25
6	Tissue printing for engineering transplantable human parathyroid patch to improve parathyroid engraftment, integration, and hormone secretion in vivo. <i>Biofabrication</i> , 2021, 13, 035033.	3.7	4
7	Engineering of diseased human skin equivalent using 3D cell printing for representing pathophysiological hallmarks of type 2 diabetes in vitro. <i>Biomaterials</i> , 2021, 272, 120776.	5.7	55
8	Decellularized Extracellular Matrix-based Bioinks for Engineering Tissue- and Organ-specific Microenvironments. <i>Chemical Reviews</i> , 2020, 120, 10608-10661.	23.0	246
9	3D Cell Printing of Tissue/Organ-Mimicking Constructs for Therapeutic and Drug Testing Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7757.	1.8	29
10	Tissue-engineering of vascular grafts containing endothelium and smooth-muscle using triple-coaxial cell printing. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	92
11	Directed differential behaviors of multipotent adult stem cells from decellularized tissue/organ extracellular matrix bioinks. <i>Biomaterials</i> , 2019, 224, 119496.	5.7	90
12	Recent Strategies in Extrusion-Based Three-Dimensional Cell Printing toward Organ Biofabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1150-1169.	2.6	86
13	3D Bioprinting. , 2019, , .		5
14	Prevalent Technologies for In Vitro Tissue/Organ Modeling. , 2019, , 13-23.		0
15	Various Applications of 3D-Bioprinted Tissues/Organs Using Tissue-Specific Bioinks. , 2019, , 53-108.		1
16	Development of a radiopaque, long-term drug eluting bioresorbable stent for the femoral-iliac artery. <i>RSC Advances</i> , 2019, 9, 34636-34641.	1.7	9
17	3D Cell Printing of Perfusable Vascularized Human Skin Equivalent Composed of Epidermis, Dermis, and Hypodermis for Better Structural Recapitulation of Native Skin. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801019.	3.9	173
18	3D Bioprinting Techniques. , 2019, , 25-29.		7

#	ARTICLE	IF	CITATIONS
19	Decellularized Extracellular Matrix-Based Bioinks. , 2019, , 41-51.		1
20	3D cell printing of inÂvitro stabilized skin model and inÂvivo pre-vascularized skin patch using tissue-specific extracellular matrixÂbioink: A step towards advanced skin tissue engineering. Biomaterials, 2018, 168, 38-53.	5.7	347
21	Coaxial Cell Printing of Freestanding, Perfusable, and Functional In Vitro Vascular Models for Recapitulation of Native Vascular Endothelium Pathophysiology. Advanced Healthcare Materials, 2018, 7, e1801102.	3.9	119
22	Three-Dimensional Cell Printing of Large-Volume Tissues: Application to Ear Regeneration. Tissue Engineering - Part C: Methods, 2017, 23, 136-145.	1.1	43
23	Development of Liver Decellularized Extracellular Matrix Bioink for Three-Dimensional Cell Printing-Based Liver Tissue Engineering. Biomacromolecules, 2017, 18, 1229-1237.	2.6	256
24	Direct 3D cell-printing of human skin with functional transwell system. Biofabrication, 2017, 9, 025034.	3.7	215
25	Tissue Engineered Bioâ€Bloodâ€Vessels Constructed Using a Tissueâ€Specific Bioink and 3D Coaxial Cell Printing Technique: A Novel Therapy for Ischemic Disease. Advanced Functional Materials, 2017, 27, 1700798.	7.8	231
26	Decellularized extracellular matrix: a step towards the next generation source for bioink manufacturing. Biofabrication, 2017, 9, 034104.	3.7	163
27	Tissue Engineering: Tissue Engineered Bioâ€Bloodâ€Vessels Constructed Using a Tissueâ€Specific Bioink and 3D Coaxial Cell Printing Technique: A Novel Therapy for Ischemic Disease (Adv. Funct. Mater. 33/2017). Advanced Functional Materials, 2017, 27, .	7.8	3
28	Systemically replicated organic and inorganic bony microenvironment for new bone formation generated by a 3D printing technology. RSC Advances, 2016, 6, 11546-11553.	1.7	36
29	Tailoring mechanical properties of decellularized extracellular matrix bioink by vitamin B2-induced photo-crosslinking. Acta Biomaterialia, 2016, 33, 88-95.	4.1	272