

# Jia Min Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,446  
citations

516561

16  
h-index

839398

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Printing Strategies in 3D Bioprinting of Cell-Hydrogels: A Review. <i>Advanced Healthcare Materials</i> , 2016, 5, 2856-2865.	3.9	251
2	Vat polymerization-based bioprinting process, materials, applications and regulatory challenges. <i>Biofabrication</i> , 2020, 12, 022001.	3.7	246
3	Microvalve-based bioprinting process, bio-inks and applications. <i>Biomaterials Science</i> , 2017, 5, 632-647.	2.6	169
4	3D extrusion bioprinting. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	127
5	3D bioprinting processes: A perspective on classification and terminology. <i>International Journal of Bioprinting</i> , 2018, 4, 151.	1.7	99
6	Resolution and shape in bioprinting: Strategizing towards complex tissue and organ printing. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	89
7	Characterization and evaluation of 3D printed microfluidic chip for cell processing. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	1.0	80
8	Bioprinting of Collagen: Considerations, Potentials, and Applications. <i>Macromolecular Bioscience</i> , 2021, 21, e2000280.	2.1	69
9	A preliminary model of time-pressure dispensing system for bioprinting based on printing and material parameters. <i>Virtual and Physical Prototyping</i> , 2015, 10, 3-8.	5.3	61
10	Smart hydrogels for 3D bioprinting. <i>International Journal of Bioprinting</i> , 2015, , .	1.7	54
11	A novel 3D bioprinted flexible and biocompatible hydrogel bioelectronic platform. <i>Biosensors and Bioelectronics</i> , 2018, 102, 365-371.	5.3	48
12	Bioprinting in cardiovascular tissue engineering: a review. <i>International Journal of Bioprinting</i> , 2016, 2, 27.	1.7	29
13	Potential of Printed Electrodes for Electrochemical Impedance Spectroscopy (EIS): Toward Membrane Fouling Detection. <i>Advanced Electronic Materials</i> , 2021, 7, 2100043.	2.6	26
14	Bioprinting of Multimaterials with Computer-aided Design/Computer-aided Manufacturing. <i>International Journal of Bioprinting</i> , 2019, 6, 245.	1.7	24
15	Engineering macroscale cell alignment through coordinated toolpath design using support-assisted 3D bioprinting. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200294.	1.5	22
16	Tissue engineering and 3D printing of bioartificial pancreas for regenerative medicine in diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 609-622.	3.1	18
17	Large-scale Fabrication of 3D Scaffold-Based Patterns of Microparticles and Breast Cancer Cells using Reusable Acoustofluidic Device. <i>Advanced Engineering Materials</i> , 2021, 23, 2001377.	1.6	11
18	Hydrogels for 3-D bioprinting-based tissue engineering. , 2020, , 183-204.		9

#	ARTICLE	IF	CITATIONS
19	3D Printed Bioelectronic Platform with Embedded Electronics. MRS Advances, 2018, 3, 3011-3017.	0.5	8
20	Biomaterials for Bioprinting. , 2015, , 129-148.		4
21	Hydrogels for Bioprinting. , 2022, , 185-211.		2