

# Jia Min Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3257712/publications.pdf>

Version: 2024-02-01

21  
papers

1,446  
citations

516710

16  
h-index

839539

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 Cellâ€Hydrogels: A Review. Advanced Healthcare Materials, 2016, 5, 2856-2865.	7.6	251
2	Vat polymerization-based bioprintingâ€™process, materials, applications and regulatory challenges. Biofabrication, 2020, 12, 022001.	7.1	246
3	Microvalve-based bioprinting â€™ process, bio-inks and applications. Biomaterials Science, 2017, 5, 632-647.	5.4	169
4	3D extrusion bioprinting. Nature Reviews Methods Primers, 2021, 1, .	21.2	127
5	3D bioprinting processes: A perspective on classification and terminology. International Journal of Bioprinting, 2018, 4, 151.	3.4	99
6	Resolution and shape in bioprinting: Strategizing towards complex tissue and organ printing. Applied Physics Reviews, 2019, 6, .	11.3	89
7	Characterization and evaluation of 3D printed microfluidic chip for cell processing. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	80
8	Bioprinting of Collagen: Considerations, Potentials, and Applications. Macromolecular Bioscience, 2021, 21, e2000280.	4.1	69
9	A preliminary model of time-pressure dispensing system for bioprinting based on printing and material parameters. Virtual and Physical Prototyping, 2015, 10, 3-8.	10.4	61
10	Smart hydrogels for 3D bioprinting. International Journal of Bioprinting, 2015, , .	3.4	54
11	A novel 3D bioprinted flexible and biocompatible hydrogel bioelectronic platform. Biosensors and Bioelectronics, 2018, 102, 365-371.	10.1	48
12	Bioprinting in cardiovascular tissue engineering: a review. International Journal of Bioprinting, 2016, 2, 27.	3.4	29
13	Potential of Printed Electrodes for Electrochemical Impedance Spectroscopy (EIS): Toward Membrane Fouling Detection. Advanced Electronic Materials, 2021, 7, 2100043.	5.1	26
14	Bioprinting of Multimaterials with Computer-aided Design/Computer-aided Manufacturing. International Journal of Bioprinting, 2019, 6, 245.	3.4	24
15	Engineering macroscale cell alignment through coordinated toolpath design using support-assisted 3D bioprinting. Journal of the Royal Society Interface, 2020, 17, 20200294.	3.4	22
16	Tissue engineering and 3D printing of bioartificial pancreas for regenerative medicine in diabetes. Trends in Endocrinology and Metabolism, 2021, 32, 609-622.	7.1	18
17	Largeâ€™scale Fabrication of 3D Scaffoldâ€™Based Patterns of Microparticles and Breast Cancer Cells using Reusable Acoustofluidic Device. Advanced Engineering Materials, 2021, 23, 2001377.	3.5	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.	0.9	8
20	Biomaterials for Bioprinting. , 2015, , 129-148.		4
21	Hydrogels for Bioprinting. , 2022, , 185-211.		2