Jia Min Lee

List of Publications by Year
in descending order

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	Hydrogels for Bioprinting. , 2022, , 185-211.		2
2	Bioprinting of Collagen: Considerations, Potentials, and Applications. Macromolecular Bioscience, 2021, 21, e2000280.	2.1	69
3	Largeâ€Scale Fabrication of 3D Scaffoldâ€Based Patterns of Microparticles and Breast Cancer Cells using Reusable Acoustofluidic Device. Advanced Engineering Materials, 2021, 23, 2001377.	1.6	11
4	Potential of Printed Electrodes for Electrochemical Impedance Spectroscopy (EIS): Toward Membrane Fouling Detection. Advanced Electronic Materials, 2021, 7, 2100043.	2.6	26
5	Tissue engineering and 3D printing of bioartificial pancreas for regenerative medicine in diabetes. Trends in Endocrinology and Metabolism, 2021, 32, 609-622.	3.1	18
6	3D extrusion bioprinting. Nature Reviews Methods Primers, 2021, 1, .	11.8	127
7	Hydrogels for 3-D bioprinting-based tissue engineering. , 2020, , 183-204.		9
8	Vat polymerization-based bioprintingâ€"process, materials, applications and regulatory challenges. Biofabrication, 2020, 12, 022001.	3.7	246
9	Engineering macroscale cell alignment through coordinated toolpath design using support-assisted 3D bioprinting. Journal of the Royal Society Interface, 2020, 17, 20200294.	1.5	22
10	Resolution and shape in bioprinting: Strategizing towards complex tissue and organ printing. Applied Physics Reviews, 2019, 6, .	5.5	89
11	Bioprinting of Multimaterials with Computer-aided Design/Computer-aided Manufacturing. International Journal of Bioprinting, 2019, 6, 245.	1.7	24
12	A novel 3D bioprinted flexible and biocompatible hydrogel bioelectronic platform. Biosensors and Bioelectronics, 2018, 102, 365-371.	5.3	48
13	3D Printed Bioelectronic Platform with Embedded Electronics. MRS Advances, 2018, 3, 3011-3017.	0.5	8
14	3D bioprinting processes: A perspective on classification and terminologyÂ. International Journal of Bioprinting, 2018, 4, 151.	1.7	99
15	Microvalve-based bioprinting â€“ process, bio-inks and applications. Biomaterials Science, 2017, 5, 632-647.	2.6	169
16	Design and Printing Strategies in 3D Bioprinting of Cellâ€Hydrogels: A Review. Advanced Healthcare Materials, 2016, 5, 2856-2865.	3.9	251
17	Characterization and evaluation of 3D printed microfluidic chip for cell processing. Microfluidics and Nanofluidics, 2016, 20, 1.	1.0	80
18	Bioprinting in cardiovascular tissue engineering: a review. International Journal of Bioprinting, 2016, 2, 27.	1.7	29

#	Article	IF	Citations
19	Biomaterials for Bioprinting. , 2015, , 129-148.		4
20	A preliminary model of time-pressure dispensing system for bioprinting based on printing and material parameters. Virtual and Physical Prototyping, 2015, 10, 3-8.	5.3	61
21	Smart hydrogels for 3D bioprinting. International Journal of Bioprinting, 2015, , .	1.7	54