

Hitendra Kumar

List of Publications by Year in descending order

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18
papers

603
citations

858243

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20
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20
docs citations

20
times ranked

961
citing authors

#	ARTICLE	IF	CITATIONS
1	Technologies for Single-Cell Printing and Patterning. , 2022, , 375-395.		0
2	A kinetic model for predicting imperfections in the bioink photopolymerization process during visible-light stereolithography printing. Additive Manufacturing, 2022, , 102808.	1.7	5
3	Designing Gelatin Methacryloyl (GelMA)-Based Bioinks for Visible Light Stereolithographic 3D Biofabrication. Macromolecular Bioscience, 2021, 21, e2000317.	2.1	51
4	Polyether ether ketone surface modification with plasma and gelatin for enhancing cell attachment. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 622-629.	1.6	19
5	Increased sanitization potency of hydrogen peroxide with synergistic O ₃ and intense pulsed light for non-woven polypropylene. RSC Advances, 2021, 11, 23881-23891.	1.7	2
6	A rapid near-patient detection system for SARS-CoV-2 using saliva. Scientific Reports, 2021, 11, 13378.	1.6	17
7	Tunable metacrylated hyaluronic acid-based hybrid bioinks for stereolithography 3D bioprinting. Biofabrication, 2021, 13, 044109.	3.7	26
8	Biofabrication strategies for engineering heterogeneous artificial tissues. Additive Manufacturing, 2020, 36, 101459.	1.7	15
9	Stereolithography 3D Bioprinting Method for Fabrication of Human Corneal Stroma Equivalent. Annals of Biomedical Engineering, 2020, 48, 1955-1970.	1.3	62
10	High Throughput Screening of Cell Mechanical Response Using a Stretchable 3D Cellular Microarray Platform. Small, 2020, 16, e2000941.	5.2	16
11	Stereolithography 3D Bioprinting. Methods in Molecular Biology, 2020, 2140, 93-108.	0.4	61
12	Technologies for Single-Cell Printing and Patterning. , 2020, , 1-21.		0
13	Rapid and Inexpensive Fabrication of Multi-Depth Microfluidic Device using High-Resolution LCD Stereolithographic 3D Printing. Journal of Manufacturing and Materials Processing, 2019, 3, 26.	1.0	48
14	An integrated microfluidic flow-focusing platform for on-chip fabrication and filtration of cell-laden microgels. Lab on A Chip, 2019, 19, 1621-1632.	3.1	48
15	Surface texture evaluation using 3D reconstruction from images by parametric anisotropic BRDF. Measurement: Journal of the International Measurement Confederation, 2018, 125, 612-633.	2.5	16
16	Visible Light Photoinitiation of Cell-Adhesive Gelatin Methacryloyl Hydrogels for Stereolithography 3D Bioprinting. ACS Applied Materials & Interfaces, 2018, 10, 26859-26869.	4.0	197
17	Micro/nano surface texture evaluation by reconstruction from images using approximated BRDF model. , 2016, , .		0
18	Visual odometry using optic flow for Unmanned Aerial Vehicles. , 2015, , .		15