

# Hitendra Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8706020/publications.pdf>

Version: 2024-02-01

18  
papers

603  
citations

759233

12  
h-index

996975

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

863  
citing authors

| #  | ARTICLE                                                                                                                                                                                        | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Visible Light Photoinitiation of Cell-Adhesive Gelatin Methacryloyl Hydrogels for Stereolithography 3D Bioprinting. ACS Applied Materials & Interfaces, 2018, 10, 26859-26869.                 | 8.0  | 197       |
| 2  | Stereolithography 3D Bioprinting Method for Fabrication of Human Corneal Stroma Equivalent. Annals of Biomedical Engineering, 2020, 48, 1955-1970.                                             | 2.5  | 62        |
| 3  | Stereolithography 3D Bioprinting. Methods in Molecular Biology, 2020, 2140, 93-108.                                                                                                            | 0.9  | 61        |
| 4  | Designing Gelatin Methacryloyl (GelMA)-Based Bioinks for Visible Light Stereolithographic 3D Biofabrication. Macromolecular Bioscience, 2021, 21, e2000317.                                    | 4.1  | 51        |
| 5  | 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. | 2.2  | 48        |
| 6  | An integrated microfluidic flow-focusing platform for on-chip fabrication and filtration of cell-laden microgels. Lab on A Chip, 2019, 19, 1621-1632.                                          | 6.0  | 48        |
| 7  | Tunable metacrylated hyaluronic acid-based hybrid bioinks for stereolithography 3D bioprinting. Biofabrication, 2021, 13, 044109.                                                              | 7.1  | 26        |
| 8  | 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. | 3.4  | 19        |
| 9  | A rapid near-patient detection system for SARS-CoV-2 using saliva. Scientific Reports, 2021, 11, 13378.                                                                                        | 3.3  | 17        |
| 10 | Surface texture evaluation using 3D reconstruction from images by parametric anisotropic BRDF. Measurement: Journal of the International Measurement Confederation, 2018, 125, 612-633.        | 5.0  | 16        |
| 11 | High Throughput Screening of Cell Mechanical Response Using a Stretchable 3D Cellular Microarray Platform. Small, 2020, 16, e2000941.                                                          | 10.0 | 16        |
| 12 | Visual odometry using optic flow for Unmanned Aerial Vehicles. , 2015, , .                                                                                                                     |      | 15        |
| 13 | Biofabrication strategies for engineering heterogeneous artificial tissues. Additive Manufacturing, 2020, 36, 101459.                                                                          | 3.0  | 15        |
| 14 | A kinetic model for predicting imperfections in the bioink photopolymerization process during visible-light stereolithography printing. Additive Manufacturing, 2022, , 102808.                | 3.0  | 5         |
| 15 | Increased sanitization potency of hydrogen peroxide with synergistic O <sub>3</sub> and intense pulsed light for non-woven polypropylene. RSC Advances, 2021, 11, 23881-23891.                 | 3.6  | 2         |
| 16 | Micro/nano surface texture evaluation by reconstruction from images using approximated BRDF model. , 2016, , .                                                                                 |      | 0         |
| 17 | Technologies for Single-Cell Printing and Patterning. , 2022, , 375-395.                                                                                                                       |      | 0         |
| 18 | Technologies for Single-Cell Printing and Patterning. , 2020, , 1-21.                                                                                                                          |      | 0         |