

Tanmay Mathur

List of Publications by Year in descending order

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9
papers

167
citations

1307594

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172
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|------|-----------|
| 1 | Organ-on-chips made of blood: endothelial progenitor cells from blood reconstitute vascular thromboinflammation in vessel-chips. Lab on A Chip, 2019, 19, 2500-2511. | 6.0 | 52 |
| 2 | Human tumor microenvironment chip evaluates the consequences of platelet extravasation and combinatorial antitumor-antiplatelet therapy in ovarian cancer. Science Advances, 2021, 7, . | 10.3 | 43 |
| 3 | OvCa-Chip microsystem recreates vascular endothelium-mediated platelet extravasation in ovarian cancer. Blood Advances, 2020, 4, 3329-3342. | 5.2 | 33 |
| 4 | Tortuosity-powered microfluidic device for assessment of thrombosis and antithrombotic therapy in whole blood. Scientific Reports, 2020, 10, 5742. | 3.3 | 11 |
| 5 | Comparative Analysis of Blood-Derived Endothelial Cells for Designing Next-Generation Personalized Organ-on-Chips. Journal of the American Heart Association, 2021, 10, e022795. | 3.7 | 11 |
| 6 | Tripartite collaboration of blood-derived endothelial cells, next generation <i>scRNA</i> sequencing and bioengineered vessel-chip may distinguish vasculopathy and thrombosis among sickle cell disease patients. Bioengineering and Translational Medicine, 2021, 6, e10211. | 7.1 | 10 |
| 7 | 2D Nanosilicate for additive manufacturing: Rheological modifier, sacrificial ink and support bath. Bioprinting, 2022, 25, e00187. | 5.8 | 7 |
| 8 | Next generation personalized blood vessel-on-chip: Mimicking patient-specific pathophysiology in sickle cell disease through blood-derived endothelial progenitors. FASEB Journal, 2022, 36, . | 0.5 | 0 |
| 9 | A machine-learned microvasculature optimizes physiological insulin secretion in a vascularized pancreas-chip. FASEB Journal, 2022, 36, . | 0.5 | 0 |