

Siddhartha Tripathi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2089119/publications.pdf>

Version: 2024-02-01

13
papers

430
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive blood plasma separation at the microscale: a review of design principles and microdevices. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 083001.	2.6	102
2	Microdevice for plasma separation from whole human blood using bio-physical and geometrical effects. <i>Scientific Reports</i> , 2016, 6, 26749.	3.3	82
3	Blood plasma separation in elevated dimension T-shaped microchannel. <i>Biomedical Microdevices</i> , 2013, 15, 415-425.	2.8	57
4	A novel, compact and efficient microchannel arrangement with multiple hydrodynamic effects for blood plasma separation. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 995-1006.	2.2	48
5	Performance study of microfluidic devices for blood plasma separation—a designer’s perspective. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 084004.	2.6	35
6	Three-dimensional hydrodynamic flow focusing of dye, particles and cells in a microfluidic device by employing two bends of opposite curvature. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	20
7	Separation and Enrichment of Platelets from Whole Blood Using a PDMS-Based Passive Microdevice. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4792-4801.	3.7	17
8	Blood Plasma Microfluidic Device: Aiming for the Detection of COVID-19 Antibodies Using an On-Chip ELISA Platform. , 2020, 5, 217-220.		16
9	Microfluidic Techniques for Platelet Separation and Enrichment. <i>Journal of the Indian Institute of Science</i> , 2018, 98, 185-200.	1.9	15
10	Disease diagnostics using hydrodynamic flow focusing in microfluidic devices: Beyond flow cytometry. <i>Biomedical Engineering Letters</i> , 2020, 10, 241-257.	4.1	13
11	Effect of biopolymers on stability and properties of aqueous hybrid metal oxide nanofluids in thermal applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128777.	4.7	11
12	Current Status of the Development of Blood-Based Point-of-Care Microdevices. , 2021, , 169-196.		9
13	Separation of motile human sperms in a T-shaped sealed microchannel. <i>Biomedical Engineering Letters</i> , 2022, 12, 331-342.	4.1	5