Kiran Raj M

List of Publications by Year
in descending order

12	415	1163117 8	1281871 11
papers	citations	h-index	g-index

12	12	12	472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PDMS microfluidics: A mini review. Journal of Applied Polymer Science, 2020, 137, 48958.	2.6	239
2	Tunable hydrodynamic characteristics in microchannels with biomimetic superhydrophobic (lotus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	39
3	Hydrodynamics in deformable microchannels. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	38
4	Flow-induced deformation in a microchannel with a non-Newtonian fluid. Biomicrofluidics, 2018, 12, 034116.	2.4	28
5	Collective dynamics of red blood cells on anin vitromicrofluidic platform. Lab on A Chip, 2018, 18, 3939-3948.	6.0	17
6	Mixing characteristics in microchannels with biomimetic superhydrophobic (Lotus leaf replica) walls. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	15
7	Biomimetic pulsatile flows through flexible microfluidic conduits. Biomicrofluidics, 2019, 13, 014103.	2.4	11
8	Targeting Magnetic Nanoparticles in Physiologically Mimicking Tissue Microenvironment. ACS Applied Materials & Interfaces, 2022, 14, 31689-31701.	8.0	10
9	Predicting Escherichia coli's chemotactic drift under exponential gradient. Physical Review E, 2017, 96, 032409.	2.1	6
10	Universal oscillatory dynamics in capillary filling. Europhysics Letters, 2019, 125, 14003.	2.0	6
11	Micromechanical properties of biomedical hydrogel for application as microchannel elastomer. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 217-224.	3.1	5
12	Stress banding in compressed quasi-two-dimensional aqueous foams. Physics of Fluids, 2019, 31, 082111.	4.0	1