

P Kaushik

List of Publications by Year in descending order

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18
papers

343
citations

840776

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839539

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docs citations

18
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Transiences in rotational electro-hydrodynamics microflows of a viscoelastic fluid under electrical double layer phenomena. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 231, 56-67.	2.4	46
2	Rotational electrohydrodynamics of a non-Newtonian fluid under electrical double-layer phenomenon: the role of lateral confinement. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	35
3	Rotating electroosmotic flow through a polyelectrolyte-grafted microchannel: An analytical solution. <i>Physics of Fluids</i> , 2019, 31, .	4.0	32
4	Flow dynamics of a viscoelastic fluid squeezed and extruded between two parallel plates. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 227, 56-64.	2.4	31
5	Confinement effects on the rotational microflows of a viscoelastic fluid under electrical double layer phenomenon. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 244, 123-137.	2.4	31
6	Heat Transfer and Entropy Generation Characteristics of a Non-Newtonian Fluid Squeezed and Extruded Between Two Parallel Plates. <i>Journal of Heat Transfer</i> , 2017, 139, .	2.1	25
7	Dynamics of viscoelastic fluid in a rotating soft microchannel. <i>Physics of Fluids</i> , 2020, 32, .	4.0	24
8	Transient electroosmosis of a Maxwell fluid in a rotating microchannel. <i>Electrophoresis</i> , 2017, 38, 2741-2748.	2.4	22
9	Rotating electroosmotic flow of power-law fluid through polyelectrolyte grafted microchannel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111058.	5.0	14
10	Startup electroosmotic flow of a viscoelastic fluid characterized by Oldroyd-B model in a rectangular microchannel with symmetric and asymmetric wall zeta potentials. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 247, 41-52.	2.4	13
11	Polyelectrolyte layer grafting effect on the rotational electroosmotic flow of viscoplastic material. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	2.2	13
12	Hydrodynamic Swirl Decay in Microtubes with Interfacial Slip. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2012, 16, 133-143.	2.6	11
13	Hydrodynamic and thermal transport characteristics of swirling flows through microchannels with interfacial slip. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 4359-4365.	4.8	11
14	Modified thermal balance method for estimating minimum inerting concentraion of flammable refrigerant mixtures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2201-2210.	3.6	10
15	Mixing in small scale fluidic systems swayed by rotationality effects. <i>Physics of Fluids</i> , 2022, 34, .	4.0	8
16	Film condensation in presence of non-condensable gases: Interplay between variable radius of curvature and interfacial slip. <i>International Communications in Heat and Mass Transfer</i> , 2014, 56, 31-36.	5.6	7
17	Inlet swirl decay and mixing in a laminar micro-pipe flow with wall slip. <i>Physics of Fluids</i> , 2020, 32, .	4.0	7
18	Inlet swirl decay of non-Newtonian fluid in laminar flows through tubes. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	3