

Suvankar Ganguly

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

922
citations

471509

17
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

760
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of the effective electrical conductivity of aluminum oxide nanofluids. Powder Technology, 2009, 196, 326-330.	4.2	185
2	Thermally developing combined electroosmotic and pressure-driven flow of nanofluids in a microchannel under the effect of magnetic field. Chemical Engineering Science, 2015, 126, 10-21.	3.8	85
3	Mixed convective heat transfer of nanofluids past a circular cylinder in cross flow in unsteady regime. International Journal of Heat and Mass Transfer, 2012, 55, 4783-4799.	4.8	66
4	Fully developed thermal transport in combined pressure and electroosmotically driven flow of nanofluid in a microchannel under the effect of a magnetic field. Microfluidics and Nanofluidics, 2015, 18, 623-636.	2.2	66
5	Mixed convective flow stability of nanofluids past a square cylinder by dynamic mode decomposition. International Journal of Heat and Fluid Flow, 2013, 44, 624-634.	2.4	64
6	Buoyancy driven flow and heat transfer of nanofluids past a square cylinder in vertically upward flow. International Journal of Heat and Mass Transfer, 2013, 59, 433-450.	4.8	54
7	Numerical Investigation on Role of Bottom Gas Stirring in Controlling Thermal Stratification in Steel Ladles. ISIJ International, 2004, 44, 537-546.	1.4	51
8	Buoyancy driven convection of nanofluids in an infinitely long channel under the effect of a magnetic field. International Journal of Heat and Mass Transfer, 2014, 71, 328-340.	4.8	47
9	Analysis of Entropy Generation During Mixed Convective Heat Transfer of Nanofluids Past a Square Cylinder in Vertically Upward Flow. Journal of Heat Transfer, 2012, 134, .	2.1	40
10	Influence of combined electromagnetohydrodynamics on microchannel flow with electrokinetic effect and interfacial slip. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	34
11	Effect of cylinder rotation during mixed convective flow of nanofluids past a circular cylinder. Computers and Fluids, 2016, 127, 47-64.	2.5	33
12	Analysis of Entropy Generation During Mixed Convective Heat Transfer of Nanofluids Past a Rotating Circular Cylinder. Journal of Heat Transfer, 2014, 136, .	2.1	31
13	Dispersion characteristics of blood during nanoparticle assisted drug delivery process through a permeable microvessel. Microvascular Research, 2014, 92, 25-33.	2.5	31
14	Effective viscosity of nanoscale colloidal suspensions. Journal of Applied Physics, 2009, 106, .	2.5	30
15	Sedimentation of nanoparticles in nanoscale colloidal suspensions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2394-2399.	2.1	28
16	Characterization of electromagnetohydrodynamic transport of power law fluids in microchannel. Journal of Non-Newtonian Fluid Mechanics, 2017, 250, 18-30.	2.4	26
17	Investigation of electrical conductivity of titanium dioxide nanofluids. International Journal of Nanoparticles, 2011, 4, 336.	0.3	20
18	Single diffusive magnetohydrodynamic pressure driven miscible displacement flows in a channel. Physics of Fluids, 2019, 31, 082102.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Effect of Channel Confinement on Mixed Convective Flow Past an Equilateral Triangular Cylinder. Journal of Heat Transfer, 2015, 137, .	2.1	10
20	Scaling estimations of thermal and flow field in gas-stirred ladles. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2005, 36, 541-546.	2.1	5
21	Determination of the aggregate fractal dimensions in colloidal nanofluids. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2012, 226, 3-7.	0.1	2