Renu Bajaj

List of Publications by Year
in descending order

26 papers	195 citations	1162367 8 h-index	1125271 13 g-index
27 all docs	27 docs citations	27 times ranked	60 citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature modulation in ferrofluid convection. Physics of Fluids, 2009, 21, .	1.6	23
2	Couette flow in ferrofluids with magnetic field. Journal of Magnetism and Magnetic Materials, 2005, 294, 53-62.	1.0	19
3	Thermodiffusive magneto convection in ferrofluids with two-frequency gravity modulation. Journal of Magnetism and Magnetic Materials, 2005, 288, 483-494.	1.0	17
4	Convective instability in a ferrofluid layer with temperature-modulated rigid boundaries. Fluid Dynamics Research, 2011, 43, 025502.	0.6	17
5	TEMPERATURE MODULATION IN RAYLEIGHâ€"BÃ‰NARD CONVECTION. ANZIAM Journal, 2008, 50, 231-245.	0.3	14
6	Bicritical states in temperature-modulated Rayleigh-BÃ©nard convection. Physical Review E, 2015, 92, 013005.	0.8	12
7	Rayleigh-BÃ©nard convection with two-frequency temperature modulation. Physical Review E, 2016, 93, 043111.	0.8	11
8	Parametric instability of the interface between two viscous magnetic fluids. Journal of Magnetism and Magnetic Materials, 2002, 253, 35-44.	1.0	10
9	Pattern formation in ferrofluids. Journal of Magnetism and Magnetic Materials, 1995, 149, 158-161.	1.0	8
10	Stability of nonaxisymmetric ferrofluid flow in rotating cylinders with magnetic field. International Journal of Mathematics and Mathematical Sciences, 2005, 2005, 3727-3737.	0.3	7
11	Bicritical states in a vertical layer of fluid under two-frequency temperature modulation. Physical Review E, 2020, 101, 023109.	0.8	7
12	Parametric modulation in the Taylorâ€"Couette ferrofluid flow. Fluid Dynamics Research, 2008, 40, 737-752.	0.6	6
13	Stability of temperature modulated convection in a vertical fluid layer. Applied Mathematical Modelling, 2018, 61, 408-420.	2.2	6
14	Nonlinear Stability of Natural Convection in an Inclined Fluid Layer. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	6
15	Global stability of natural convection in internally heated inclined fluid layer. Journal of Engineering Mathematics, 2021, 128, 1.	0.6	6
16	Convective Instability and Pattern Formation in Magnetic Fluids. Journal of Mathematical Analysis and Applications, 1997, 207, 172-191.	0.5	5
17	Two-frequency parametric excitation of the surface of viscous magnetic fluid. Journal of Magnetism and Magnetic Materials, 2003, 261, 29-47.	1.0	4
18	The stability of the heated plane Poiseuille flow subjected to a uniform crossflow. International Journal of Non-Linear Mechanics, 2015, 77, 232-239.	1.4	4

#	Article	IF	Citations
19	Dean instability in ferrofluids. Meccanica, 2016, 51, 835-847.	1.2	3
20	Stability of transient natural convection in impulsively heated inclined fluid layer. Fluid Dynamics Research, 2020, 52, 055501.	0.6	3
21	Pattern selection in magnetic fluids with surface adsorption. International Journal of Engineering Science, 1996, 34, 1077-1092.	2.7	2
22	Pattern Selection in Double-Diffusive Ferro-Convection. Journal of Mathematical Analysis and Applications, 1998, 221, 191-216.	0.5	2
23	Rayleighâ€"BÃ©nard convection and pattern formation in magnetohydrodynamics. Journal of Plasma Physics, 1998, 60, 529-539.	0.7	2
24	The effect of periodically moving boundaries on thermomagnetic convection in ferrofluids. Physics of Fluids, 2010, 22, 114106.	1.6	1
25	Magnetic fluid systems of finite geometry with surface adsorption. International Journal of Engineering Science, 2000, 38, 159-173.	2.7	0
26	Energy stability of thermally modulated inclined fluid layer. Fluid Dynamics Research, 0, , .	0.6	0