

Aleksey Ivanov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

97
citations

1477746

6
h-index

1372195

10
g-index

22
all docs

22
docs citations

22
times ranked

67
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetophoresis of particles and aggregates in concentrated magnetic fluids. Physical Review E, 2012, 86, 051401.	0.8	28
2	Floating of solid non-magnetic bodies in magnetic fluids: Comprehensive analysis in the framework of inductive approach. Physics of Fluids, 2020, 32, .	1.6	14
3	Vortex flows induced by drop-like aggregate drift in magnetic fluids. Physics of Fluids, 2014, 26, .	1.6	12
4	Anomalous interfacial tension temperature dependence of condensed phase drops in magnetic fluids. Physics of Fluids, 2018, 30, .	1.6	11
5	On natural solutal convection in magnetic fluids. Physics of Fluids, 2015, 27, 092001.	1.6	7
6	Experimental verification of anomalous surface tension temperature dependence at the interface between coexisting liquid-gas phases in magnetic and Stockmayer fluids. Physics of Fluids, 2019, 31, 052001.	1.6	6
7	Floating of dia-, para-, and superparamagnetic bodies in magnetic fluids: Analysis of wall effects in the framework of inductive approach. Physics of Fluids, 2021, 33, .	1.6	6
8	Measurements of the transverse susceptibility and magnetization of magnetic fluids. Instruments and Experimental Techniques, 2008, 51, 466-470.	0.1	4
9	Justification of equivalent substitution circuits used to optimize the dissipative properties of electroelastic bodies with external electric circuits. Mechanics of Solids, 2016, 51, 273-283.	0.3	4
10	Isothermal vortex flows in the vicinity of ferro- and diamagnetic condensation cores in magnetic fluids undergoing first-order phase transition. Physics of Fluids, 2014, 26, .	1.6	2
11	Experimental Setup for Studying Thermosolutal Convection in Moist Air. IOP Conference Series: Materials Science and Engineering, 2019, 581, 012016.	0.3	1
12	Energy approach to calculation of forces acting on solid bodies in ferrofluids. AIP Conference Proceedings, 2021, , .	0.3	1
13	Non-Magnetic Solid Body in Ferrofluid Containers: Wall Effects. Journal of Physics: Conference Series, 2021, 1945, 012011.	0.3	1
14	Natural solutal convection in magnetic fluids: First-order phase transition aspect. Physics of Fluids, 2016, 28, .	1.6	0
15	Plateau-Rayleigh Instability of Ferrofluid Drop-Like Aggregates in Zero Magnetic Field. IOP Conference Series: Materials Science and Engineering, 2019, 581, 012019.	0.3	0
16	Experimental study of thermal convection in dry air by holographic interferometry method. Journal of Physics: Conference Series, 2021, 1809, 012033.	0.3	0
17	10.1063/1.4930601.1. , 2015, , .		0
18	10.1063/1.4964377.1. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Determination of Parameters of the External Electric Circuits Providing Maximum Damping of Vibrations of Electroelastic Bodies. , 2017, , 93-100.		0
20	An Energy Approach to the Calculation of Forces Acting on Solid Bodies in Ferrofluids. Journal of Applied Mechanics and Technical Physics, 2021, 62, 1190-1198.	0.1	0