

Dmitriy Guzei

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

339
citations

9
h-index

18
g-index

34
ext. papers

400
ext. citations

1.2
avg, IF

3.6
L-index

#	Paper	IF	Citations
33	Thermal conductivity measurements of nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 104, 1275-1282	4.9	138
32	The experimental and theoretical study of laminar forced convection of nanofluids in the round channel. <i>Applied Thermal Engineering</i> , 2015 , 88, 140-148	5.8	33
31	Study of turbulent heat transfer of the nanofluids in a cylindrical channel. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 102, 745-755	4.9	30
30	Measurement of the heat transfer coefficient of a nanofluid based on water and copper oxide particles in a cylindrical channel. <i>High Temperature</i> , 2015 , 53, 246-253	0.8	22
29	Measurement of the Thermal-Conductivity Coefficient of Nanofluids by the Hot-Wire Method. <i>Journal of Engineering Physics and Thermophysics</i> , 2015 , 88, 149-162	0.6	21
28	The experimental study of nanofluids boiling crisis on cylindrical heaters. <i>International Journal of Thermal Sciences</i> , 2017 , 116, 214-223	4.1	18
27	Measuring the heat-transfer coefficient of nanofluid based on copper oxide in a cylindrical channel. <i>Technical Physics Letters</i> , 2014 , 40, 203-206	0.7	16
26	Experimental study of turbulent forced convection of nanofluid in channels with cylindrical and spherical hollows. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 915-925	4.9	12
25	Measuring of critical density of heat flow during boiling of nanoliquids on a cylindrical heater. <i>Technical Physics Letters</i> , 2014 , 40, 562-564	0.7	11
24	Investigation of heat transfer of nanofluids in turbulent flow in a cylindrical channel. <i>Fluid Dynamics</i> , 2016 , 51, 189-199	0.7	9
23	Numerical modeling of gas-liquid flows in mini- and microchannels. <i>Thermophysics and Aeromechanics</i> , 2015 , 22, 61-71	0.9	6
22	Experiment-Calculated Investigation of the Forced Convection of Nanofluids Using Single Fluid Approach. <i>Defect and Diffusion Forum</i> , 2014 , 348, 123-138	0.7	6
21	Investigating the forced convection of magnetic nanofluids. <i>MATEC Web of Conferences</i> , 2017 , 115, 070013	0.3	4
20	Supercritical Fluid Application in the Oil and Gas Industry: A Comprehensive Review. <i>Sustainability</i> , 2022 , 14, 698	3.6	3
19	Development and Testing of Experimental Methods Definition of Thermal Conductivity of Nanofluids. <i>Journal of Siberian Federal University Engineering & Technologies</i> , 2015 , 8, 153-165	0.1	2
18	Study of the Viscosity Coefficient and Thermal Conductivity of Suspensions with Single-Walled Carbon Nanotubes. <i>Technical Physics Letters</i> , 2020 , 46, 126-129	0.7	2
17	Studying laminar flows of power-law fluids in the annular channel with eccentricity. <i>Journal of Physics: Conference Series</i> , 2017 , 899, 092016	0.3	1

16	Experimental-calculated study of the forced convection magnetic nanofluids. <i>Journal of Physics: Conference Series</i> , 2017 , 925, 012008	0.3	1
15	Studying thermal conductivity of magnetic nanofluids in constant magnetic field. <i>MATEC Web of Conferences</i> , 2017 , 115, 04003	0.3	1
14	Investigation of forced convection ZrO ₂ nanofluid in a channel with artificial roughness. <i>Journal of Physics: Conference Series</i> , 2016 , 754, 092002	0.3	1
13	Investigation of thermal conductivity coefficient of aqueous suspension with carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2019 , 1382, 012184	0.3	1
12	Experimental and numerical study of nanofluid forced convection in a channel with artificial roughness. <i>Journal of Physics: Conference Series</i> , 2018 , 1105, 012133	0.3	1
11	Effect of Initial Water Saturation on Oil Displacement Efficiency by Nanosuspensions. <i>Fluids</i> , 2022 , 7, 59	1.6	0
10	Study of the dependence the thermal conductivity of nanofluids on different parameters. <i>Journal of Physics: Conference Series</i> , 2016 , 754, 092003	0.3	0
9	Experimental Investigation of Magnetic Particle Transport in a Circular Minichannel in a Constant Magnetic Field. <i>Journal of Engineering Physics and Thermophysics</i> , 2019 , 92, 1239-1247	0.6	
8	Study of transport coefficients of nanodiamond nanofluids. <i>Journal of Physics: Conference Series</i> , 2017 , 899, 032020	0.3	
7	Numerical study of magnetic nanofluids flow in the round channel located in the constant magnetic field. <i>EPJ Web of Conferences</i> , 2017 , 159, 00038	0.3	
6	Numerical study of cuttings transport by drilling polymer solutions. <i>Journal of Physics: Conference Series</i> , 2020 , 1565, 012092	0.3	
5	The Experimental Study of the Effect of Adding High-Molecular Polymers on Heat Transfer Characteristics of Nanofluids. <i>MATEC Web of Conferences</i> , 2016 , 72, 01036	0.3	
4	Numerical research of heat transfer processes at the drilling wells in permafrost rocks. <i>Journal of Physics: Conference Series</i> , 2019 , 1382, 012091	0.3	
3	Experimental investigation of laminar forced convection of nanofluid in heat exchange equipment. <i>Journal of Physics: Conference Series</i> , 2019 , 1359, 012115	0.3	
2	The effect of the nanoparticles addition on the pressure drop in the annular channel. <i>Journal of Physics: Conference Series</i> , 2018 , 1105, 012077	0.3	
1	Numerical Simulation of a Forced Convection Laminar Fluid Flow with Regard for the Thermodiffusion of Nanoparticles in It. <i>Journal of Engineering Physics and Thermophysics</i> , 1	0.6	