

Список статей, принятых оргкомитетом к публикации и направленных в журнал Journal of physics: conference series

№	First author surname	Topic heading	Article title	Примечание
1	Deeb	1. Heat transfer and hydrodynamics in single phase flows	The effects of the axis ratio on the flow and heat transfer characteristics around a drop-shaped tube	Принята к публикации оргкомитетом, отправлена в издательство
2	Isaev	1. Heat transfer and hydrodynamics in single phase flows	Vortex heat transfer enhancement in the separated flow near structured dimpled surfaces	Принята к публикации оргкомитетом, отправлена в издательство
3	Rtishcheva	1. Heat transfer and hydrodynamics in single phase flows	Computational studies to determine the design of prototype heater for a hypersonic wind tunnel	Принята к публикации оргкомитетом, отправлена в издательство
4	Borisov	1. Heat transfer and hydrodynamics in single phase flows	Improving the performance of the air-cooling unit in the cooling system of a radar	Принята к публикации оргкомитетом, отправлена в издательство
5	Khotyanovsky	1. Heat transfer and hydrodynamics in single phase flows	Numerical simulation of the interaction of the disturbed boundary layer with an incident shock	Принята к публикации оргкомитетом, отправлена в издательство
6	Kadyirov	1. Heat transfer and hydrodynamics in single phase flows	Giesekus fluid flow past a sphere in a pipe	Принята к публикации оргкомитетом, отправлена в издательство
7	Kadyirov	1. Heat transfer and hydrodynamics in single phase flows	Semi-analytical solution for the problem of extended Pom-Pom fluid flow in a round pipe	Принята к публикации оргкомитетом, отправлена в издательство

8	Polivanov	1. Heat transfer and hydrodynamics in single phase flows	Determining the flow separation near a small UAV by unsteady pressure sensors	Принята к публикации оргкомитетом, отправлена в издательство
9	Polivanov	1. Heat transfer and hydrodynamics in single phase flows	Studying the unsteady characteristics of a laminar transonic buffet depending on the angle of attack	Принята к публикации оргкомитетом, отправлена в издательство
10	Frantsuzov	1. Heat transfer and hydrodynamics in single phase flows	Computational study of the efficiency of various methods of intensification of convective heat transfer	Принята к публикации оргкомитетом, отправлена в издательство
11	Terekhov	1. Heat transfer and hydrodynamics in single phase flows	Features of air flow and heat transfer control behind a backward-facing step using a vortex generator pair	Принята к публикации оргкомитетом, отправлена в издательство
12	Fedyushkin	1. Heat transfer and hydrodynamics in single phase flows	The effect of controlled vibrations on Rayleigh-Benard convection	Принята к публикации оргкомитетом, отправлена в издательство
13	Benderskiy	1. Heat transfer and hydrodynamics in single phase flows	The influence of the charge shape on heat exchange of a recessed nozzle	Принята к публикации оргкомитетом, отправлена в издательство
14	Gizzatullina	1. Heat transfer and hydrodynamics in single phase flows	Applying the scalability apparatus to estimate the thermal efficiency of a single finned tube	Принята к публикации оргкомитетом, отправлена в издательство
15	Pugachuk	1. Heat transfer and hydrodynamics in single phase flows	Investigating the hydraulic resistance in the flow part elements of pneumatic systems and heat exchangers	Принята к публикации оргкомитетом, отправлена в издательство

16	Korepanov	1. Heat transfer and hydrodynamics in single phase flows	Numerical investigation of flows with condensation in micronozzles	Принята к публикации оргкомитетом, отправлена в издательство
17	Soloveva	1. Heat transfer and hydrodynamics in single phase flows	Modeling the working media flow in shut-off valves with displacement of the regulating body perpendicular to the flow axis	Принята к публикации оргкомитетом, отправлена в издательство
18	Luchinkin	1. Heat transfer and hydrodynamics in single phase flows	Investigating heat transfer in an upward flow of liquid metal in the mercury facility with a loop of natural circulation	Принята к публикации оргкомитетом, отправлена в издательство
19	Barkova	1. Heat transfer and hydrodynamics in single phase flows	Application of computational gas dynamics methods for calculating losses during rotation of solids in low vacuum conditions	Принята к публикации оргкомитетом, отправлена в издательство
20	Tepliyakov	1. Heat transfer and hydrodynamics in single phase flows	Application of the video correlation method to measure the velocity on the surface of a liquid metal	Принята к публикации оргкомитетом, отправлена в издательство
21	Zavyalova	1. Heat transfer and hydrodynamics in single phase flows	Hydroelastic waves propagating along a frozen channel with non-uniform thickness of ice	Принята к публикации оргкомитетом, отправлена в издательство
22	Petrenko	1. Heat transfer and hydrodynamics in single phase flows	Eddy generation and variability of the marginal ice zone in the Fram Strait according to satellite radar measurements	Принята к публикации оргкомитетом, отправлена в издательство
23	Sardov	1. Heat transfer and hydrodynamics in single phase flows	Magneto-convective fluctuation during downward flow of liquid metal in a heated pipe in a transverse magnetic field	Принята к публикации оргкомитетом, отправлена в издательство

24	Ponomarev	1. Heat transfer and hydrodynamics in single phase flows	Investigating the radiation-convective heat exchange of a metal-ceramic plate	Принята к публикации оргкомитетом, отправлена в издательство
25	Zinovyev	1. Heat transfer and hydrodynamics in single phase flows	Investigation of the wake structure behind an airfoil at the effect of the free stream flow localized inhomogeneity	Принята к публикации оргкомитетом, отправлена в издательство
26	Mironov	1. Heat transfer and hydrodynamics in single phase flows	Application of the time-frequency technique for analysis of velocity fluctuations in the wake of a teardrop profile in the presence of a localized flow inhomogeneity	Принята к публикации оргкомитетом, отправлена в издательство
27	Barsukov	1. Heat transfer and hydrodynamics in single phase flows	Numerical study of gas dynamics and heat transfer in matrix channels at various rib angles	Принята к публикации оргкомитетом, отправлена в издательство
28	Philippov	1. Heat transfer and hydrodynamics in single phase flows	Experimental study of the three-dimensional flow structure in matrix channels	Принята к публикации оргкомитетом, отправлена в издательство
29	Kabov	1. Heat transfer and hydrodynamics in single phase flows	Features of device cooling in wiggler synchrotron workstations	Принята к публикации оргкомитетом, отправлена в издательство
30	Makarov	1. Heat transfer and hydrodynamics in single phase flows	Entropy change in a single Leontiev tube during energy separation of low-Prandtl gas mixture	Принята к публикации оргкомитетом, отправлена в издательство
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32	Evgrafova	2. Hydrodynamics and heat and mass transfer in multiphase flows	Solute transport in a horizontal porous layer at a high solute concentration	Принята к публикации оргкомитетом, отправлена в издательство
33	Ogorodnikov	2. Hydrodynamics and heat and mass transfer in multiphase flows	Reflection of sound pulses from an inhomogeneous bubble medium	Принята к публикации оргкомитетом, отправлена в издательство
34	Skripkin	2. Hydrodynamics and heat and mass transfer in multiphase flows	Unsteady cavities near the hydrofoil with a small aspect ratio	Принята к публикации оргкомитетом, отправлена в издательство
35	Fedyushkin	2. Hydrodynamics and heat and mass transfer in multiphase flows	Collision of water drops with a thin cylinder	Принята к публикации оргкомитетом, отправлена в издательство
36	Matveeva	2. Hydrodynamics and heat and mass transfer in multiphase flows	Solid-state mechanochemical technology for deep processing of brown coal: energy efficiency improvement and dust formation control	Принята к публикации оргкомитетом, отправлена в издательство
37	Randin	2. Hydrodynamics and heat and mass transfer in multiphase flows	Individual bubbles moving in an inclined flat channel	Принята к публикации оргкомитетом, отправлена в издательство
38	Kashinsky	2. Hydrodynamics and heat and mass transfer in multiphase flows	Hydrodynamic structure of the flow around a stationary gas bubble in an annular channel	Принята к публикации оргкомитетом, отправлена в издательство
39	Kanin	2. Hydrodynamics and heat and mass transfer in multiphase flows	Investigating the effect of submerged impingement jet on heat transfer in water-alcohol mixtures	Принята к публикации оргкомитетом, отправлена в издательство

40	Alekseev	2. Hydrodynamics and heat and mass transfer in multiphase flows	Simulation of an unstationary process of gas outflow into an open pipe area with a ring assembly filled with a liquid	Принята к публикации оргкомитетом, отправлена в издательство
41	Lobanov	2. Hydrodynamics and heat and mass transfer in multiphase flows	Measurements of pitch-off diameter of gas bubbles in liquid metal	Принята к публикации оргкомитетом, отправлена в издательство
42	Chinak	2. Hydrodynamics and heat and mass transfer in multiphase flows	Experimental study of the local structure of a bubble flow in a flat channel with sudden expansion	Принята к публикации оргкомитетом, отправлена в издательство
43	Valiullina	2. Hydrodynamics and heat and mass transfer in multiphase flows	Experimental study of the stratification of polydisperse emulsions in a cell with heated walls	Принята к публикации оргкомитетом, отправлена в издательство
44	Bulatova	2. Hydrodynamics and heat and mass transfer in multiphase flows	Numerical study of single bubble mobility in triangular and deltoid microchannels using the boundary element method	Принята к публикации оргкомитетом, отправлена в издательство
45	Romanov	2. Hydrodynamics and heat and mass transfer in multiphase flows	Comparing hydrogen absorption kinetics of the samples of intermetallic compound and metal hydride compact on its basis	Принята к публикации оргкомитетом, отправлена в издательство
46	Iulmukhametova	2. Hydrodynamics and heat and mass transfer in multiphase flows	Mathematical modelling of a laminar suspension flow in the flat inclined channel	Принята к публикации оргкомитетом, отправлена в издательство
47	Zalkind	2. Hydrodynamics and heat and mass transfer in multiphase flows	Specific features of evolution of dense atomized superheated water plumes and peculiarities of its diagnostics	Принята к публикации оргкомитетом, отправлена в издательство

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52	Ramazanov	3. Phase transitions	Modeling of thermodynamic processes using the properties of matter presented in the form of spreadsheets	Принята к публикации оргкомитетом, отправлена в издательство
53	Belosludov	3. Phase transitions	Theoretical investigation of methane hydrate nucleation kinetic from "water + gas" and "sea water + gas" mixtures	Принята к публикации оргкомитетом, отправлена в издательство
54	Vinogradov	3. Phase transitions	The use of a neural network for determining the temperature of a vapor film destruction in uncooled and saturated water-ethanol mixture in a cylindrical geometry	Принята к публикации оргкомитетом, отправлена в издательство
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58	Vinogradov	3. Phase transitions	Evaporation and sparking during induction heating of metallic drops in relation to utilization of space debris	Принята к публикации оргкомитетом, отправлена в издательство
59	Yakush	3. Phase transitions	Numerical modelling of melt droplet interaction with water	Принята к публикации оргкомитетом, отправлена в издательство
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61	Sterlyagov	3. Phase transitions	Experimental study of evaporation of droplets of water ethanol solution at high relative air humidity	Принята к публикации оргкомитетом, отправлена в издательство
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65	Donskoy	4. Reacting flow dynamics, detonation processes	Numerical modelling of agglomeration process in a granular bed containing melting particles	Принята к публикации оргкомитетом, отправлена в издательство
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67	Moiseeva	4. Reacting flow dynamics, detonation processes	Numerical determination of the combustion rate of a gas suspension of coal dust in a propane-air mixture	Принята к публикации оргкомитетом, отправлена в издательство
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114	Khvesyuk	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Generalized model of Kapitza conductance across rough interfaces	Принята к публикации оргкомитетом, отправлена в издательство
115	Barinov	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Statistical model of phonon scattering on rough boundaries of nanostructures	Принята к публикации оргкомитетом, отправлена в издательство

116	Rykov	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Method for constructing the fundamental equation of state that takes into account the peculiarities of the substance behaviour in a wide vicinity of the critical point	Принята к публикации оргкомитетом, отправлена в издательство
117	Rykov	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Description of the liquid-vapor phase equilibrium line of pure substances within the bounds of scale theory based on the Clapeyron equation	Принята к публикации оргкомитетом, отправлена в издательство
118	Barbin	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Thermodynamic modeling of the behavior of C50 fullerene in a nitrogen atmosphere	Принята к публикации оргкомитетом, отправлена в издательство
119	Kharlamov	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Simulating diffusion in the conditions of vapor-liquid phase transition by the molecular dynamics method	Принята к публикации оргкомитетом, отправлена в издательство
120	Maevskii	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Modeling of shock-wave loading of carbides as mixtures of components	Принята к публикации оргкомитетом, отправлена в издательство
121	Kozlovskii	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Thermal expansion of nickel-chromium ChS88U alloy at high temperatures	Принята к публикации оргкомитетом, отправлена в издательство

122	Derbasova	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Studying the effect of monochrome light on the photocatalytic activity of tungsten oxide	Принята к публикации оргкомитетом, отправлена в издательство
123	Khishchenko	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Equation of state for rhodium at high pressures	Принята к публикации оргкомитетом, отправлена в издательство
124	Gorbacheva	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Developing methods for mathematical modeling of a two-phase dielectric-electrolyte microsystem	Принята к публикации оргкомитетом, отправлена в издательство
125	Mikhienkova	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Experimental study of the effect of adding nanoparticles on the rheological properties of oil-based drilling fluids	Принята к публикации оргкомитетом, отправлена в издательство
126	Kostogrud	7. Thermophysical properties of substances, electrophysical phenomena, heat and mass transfer at micro- and nanoscale	Comparing the methods of copper substrate polishing for CVD graphene synthesis	Принята к публикации оргкомитетом, отправлена в издательство
127	Dunikov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Heat and mass transfer in a metal hydride reactor: combining experiments and mathematical modelling	Принята к публикации оргкомитетом, отправлена в издательство
128	Vasilev	8. Heat transfer and hydrodynamics in industrial processes and environment protection	The analysis of the level of emission characteristics depending on the aerosol structure	Принята к публикации оргкомитетом, отправлена в издательство

129	Kuznetsov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Thermal regime of the local working zone in the industrial premises under radiant heating conditions	Принята к публикации оргкомитетом, отправлена в издательство
130	Borisov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Heat transfer under conditions of operation of a gas infrared emitter and an air exchange system	Принята к публикации оргкомитетом, отправлена в издательство
131	Usov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Analysis of the cladding melt relocation along the surface of the fuel pin with help of the SAFR module	Принята к публикации оргкомитетом, отправлена в издательство
132	Mukhina	8. Heat transfer and hydrodynamics in industrial processes and environment protection	The study of the effect of forced air supply on the combustion of liquid fuel dispersed by superheated steam	Принята к публикации оргкомитетом, отправлена в издательство
133	Kuznetsov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	The influence of wood processing waste on the technical and energy characteristics of the Maikuben coal-based mixed fuels	Принята к публикации оргкомитетом, отправлена в издательство
134	Fedyushkin	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Criterion of drop fragmentation at a collision with a solid target (numerical simulation and experiment)	Принята к публикации оргкомитетом, отправлена в издательство
135	Gorbachev	8. Heat transfer and hydrodynamics in industrial processes and environment protection	A comparative analysis of schemes of indirect evaporation type apparatuses	Принята к публикации оргкомитетом, отправлена в издательство
136	Pavlova	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Developing the operating principle and mathematical model of the downhole device for injecting scCO ₂ in productive formations	Принята к публикации оргкомитетом, отправлена в издательство

137	Meshkova	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Representativeness of monitoring station readings in the context of urban environment	Принята к публикации оргкомитетом, отправлена в издательство
138	Shukalo	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Long-term and seasonal anomalies of the Sea of the Azov thermohaline structure for 1913 – 2018	Принята к публикации оргкомитетом, отправлена в издательство
139	Filimonov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	The influence of landscape and urban development on modeling of transport of pollutants in Krasnoyarsk city	Принята к публикации оргкомитетом, отправлена в издательство
140	Lukashov	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Calculating the effective thickness of the thermal barrier coating	Принята к публикации оргкомитетом, отправлена в издательство
141	Geller	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Analysis of the influence of dust formation on technological processes in the production of PET	Принята к публикации оргкомитетом, отправлена в издательство
142	Turyanskiy	8. Heat transfer and hydrodynamics in industrial processes and environment protection	Studies various factors effecting the synthesis of submicron silicon dioxide particles by leaching from waste dumps of the Balaklavskoe deposit	Принята к публикации оргкомитетом, отправлена в издательство