Kuznetsov Geniy V Kuznetsov

List of Publications by Year in Descending Order

370 papers	3,297 citations	31 h-index	40 g-index
379 ext. papers	3,901 ext. citations	1.7 avg, IF	6.15 L-index

#	Paper	IF	Citations
370	Atomization behavior of composite liquid fuels based on typical coal processing wastes. *Fuel Processing Technology*, **2022**, 225, 107037	7.2	5
369	Justification of Reducing the Yield of Sulfur Oxides in the Pyrolysis of Coals with the Addition of Logging Waste. *Solid Fuel Chemistry*, **2022**, 56, 45-52	0.7	1
368	Interaction of Typical Fire-Extinguishing Liquids with the Forest Fuel Combustion Front. *Journal of Engineering Physics and Thermophysics*, **2021**, 94, 1395-1399	0.6	
367	Effect of mechanical polishing of aluminum alloy surfaces on wetting and droplet evaporation at constant and cyclically varying pressure in the chamber. *Journal of Materials Science*, **2021**, 56, 20154	4.3	
366	Mathematical Definition of the Transition Boundaries Between Collision Regimes of Droplets. *Journal of Engineering Physics and Thermophysics*, **2021**, 94, 1147	0.6	
365	Micro-explosion of a two-component droplet: How the initial temperature of the water core affects the breakup conditions and outcomes. *Powder Technology*, **2021**, 382, 378-387	5.2	3
364	Ignition of particles of finely dispersed fuel mixtures based on coal and fine wood. *Energy*, **2021**, 220, 119697	7.9	2
363	Determining water content in a liquid fuel by the luminosity of its droplet. *Chemical Engineering Science*, **2021**, 233, 116415	4.4	2
362	Effect of heat treatment on corrosion of laser-textured aluminum alloy surfaces. *Journal of Materials Science*, **2021**, 56, 12845-12863	4.3	6
361	The critical atomization conditions of high-potential fire suppressant droplets in an air flow. *Powder Technology*, **2021**, 384, 505-521	5.2	2
360	Heat transfer in a two-phase closed thermosyphon working in Polar Regions. *Thermal Science and Engineering Progress*, **2021**, 22, 100846	3.6	5
359	Mechanisms of Heat and Mass Transfer in the Localization of Ground Forest Fires with the Use of Barrier Strips. *Journal of Engineering Physics and Thermophysics*, **2021**, 94, 775-789	0.6	
358	Experimental study of the processes of reducing the formation of sulfur oxides during the co-combustion of particles of metalignitous coal and wood processing waste. *Fuel*, **2021**, 291, 120233	7.1	5
357	Features of the processes of heat and mass transfer when drying a large thickness layer of wood biomass. *Renewable Energy*, **2021**, 169, 498-511	8.1	6
356	Experimental research and numerical simulation of gel fuel ignition by a hot particle. *Fuel*, **2021**, 291, 120172	7.1	1
355	Experimental determination of the workers clothing surface temperature during the ceramic gas heater operation. *Thermal Science and Engineering Progress*, **2021**, 22, 100851	3.6	2
354	Experimental research of the vapor zone between two coalescing droplets of heated water. *International Communications in Heat and Mass Transfer*, **2021**, 126, 105410	5.8	1

353	Justification of the possibility of car tires recycling as part of coal-water composites. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104741	6.8	3
352	Micro-explosion of droplets containing liquids with different viscosity, interfacial and surface tension. *Chemical Engineering Research and Design*, **2021**, 165, 478	5.5	0
351	Physicochemical features of the effect of special water-based fire retardants on forest materials. *Fire Safety Journal*, **2021**, 123, 103371	3.3	2
350	Mathematical Simulation of Ignition of an Organic Coal–Water Fuel Droplet. *Journal of Engineering Physics and Thermophysics*, **2021**, 94, 949	0.6	0
349	Fragmentation of heated droplets of coal-water slurries containing petrochemicals. *Applied Thermal Engineering*, **2021**, 195, 117190	5.8	5
348	Composition of a gas and ash mixture formed during the pyrolysis and combustion of coal-water slurries containing petrochemicals. *Environmental Pollution*, **2021**, 285, 117390	9.3	10
347	Influence of roughness on polar and dispersed components of surface free energy and wettability properties of copper and steel surfaces. *Surface and Coatings Technology*, **2021**, 422, 127518	4.4	8
346	Ignition of a group of the woody biomass particles. *Thermal Science and Engineering Progress*, **2021**, 25, 101017	3.6	0
345	Relative energy efficiency indicators calculated for high-moisture waste-based fuel blends using multiple-criteria decision-making. *Energy*, **2021**, 234, 121257	7.9	3
344	Ignition of coal-water fuel droplets with addition of isopropyl alcohol. *International Journal of Energy Research*, **2021**, 45, 1535-1549	4.5	2
343	Mathematical Simulation of the Heat and Mass Transfer in the Movement of Liquid Droplets in a Gas Medium Under the Conditions of their Intense Phase Transformations. *Journal of Engineering Physics and Thermophysics*, **2020**, 93, 1055-1076	0.6	2
342	Analysis of the effectiveness of the systems for providing thermal conditions of the local working areas based on the gas infrared emitters. *Journal of Physics: Conference Series*, **2020**, 1677, 012120	0.3	
341	Mechanism of the Suppression of Sulfur Oxides in the Oxidative Thermolysis Products of Coals upon Their Combustion in a Mixture with Dispersed Wood. *Solid Fuel Chemistry*, **2020**, 54, 311-317	0.7	5
340	Effect of concentration and relative position of wood and coal particles on the characteristics of the mixture ignition process. *Fuel*, **2020**, 274, 117843	7.1	11
339	Influence of forest fuel structure on thermophysical characteristics. *Powder Technology*, **2020**, 366, 832-839	5.2	1
338	Determination of the Density and Intensity of Irrigation of Forest Combustible Material before the Combustion Front When Creating an Effective Control Line. *Technical Physics*, **2020**, 65, 555-559	0.5	
337	The effect of the interface length on the evaporation rate of a horizontal liquid layer under a gas flow. *Thermophysics and Aeromechanics*, **2020**, 27, 117-121	0.9	1
336	Influence of the Concentration of Water Droplets in an Aerosol Cloud on the Characteristics of their Collisional Interaction. *Journal of Engineering Physics and Thermophysics*, **2020**, 93, 298-309	0.6	1

335	Theoretical justification of utilization of forest waste by incineration in a composition of bio-water-coal suspensions. Ignition stage. *Applied Thermal Engineering*, **2020**, 170, 115034	5.8	6
334	The ignition of the bio water-coal fuel particles based on coals of different degree metamorphism. *Energy*, **2020**, 201, 117701	7.9	9
333	Mathematical and physical modeling of the coal‐water fuel particle ignition with a liquid film on the surface. *Energy Reports*, **2020**, 6, 628-643	4.6	9
332	Conditions and characteristics of mixed fuel granules ignition based on coal and finely dispersed wood. *Energy*, **2020**, 194, 116896	7.9	7
331	Dynamic characteristics of water spreading over laser-textured aluminum alloy surfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 603, 125253	5.1	8
330	Modeling the micro-explosion of miscible and immiscible liquid droplets. *Acta Astronautica*, **2020**, 171, 69-82	2.9	4
329	Kinetic properties of gas-phase combustion of gel fuels based on oil-filled cryogels. *Thermochimica Acta*, **2020**, 686, 178553	2.9	3
328	Switching Coal-Fired Thermal Power Plant to Composite Fuel for Recovering Industrial and Municipal Waste: Combustion Characteristics, Emissions, and Economic Effect. *Energies*, **2020**, 13, 259	3.1	11
327	Characteristics of the Flying of Forest Combustible Materials Upstream of a Fire Barrage Under the Action of an Air Flow. *Journal of Engineering Physics and Thermophysics*, **2020**, 93, 114-121	0.6	
326	Multi-Criteria Efficiency Analysis of Using Waste-Based Fuel Mixtures in the Power Industries of China, Japan, and Russia. *Applied Sciences (Switzerland)*, **2020**, 10, 2460	2.6	5
325	Micro-explosion of droplets containing liquids with different viscosity, interfacial and surface tension. *Chemical Engineering Research and Design*, **2020**, 158, 129-147	5.5	5
324	Numerical simulation of heat transfer in a large room with a working gas infrared emitter. *Journal of Physics: Conference Series*, **2020**, 1675, 012074	0.3	
323	Ignition of bio-water-coal fuel drops. *Energy*, **2020**, 203, 117808	7.9	8
322	Conditions and characteristics of droplets breakup for industrial waste-derived fuel suspensions ignited in high-temperature air. *Fuel*, **2020**, 265, 116915	7.1	20
321	The effect of impurity particles on the forced convection velocity in a drop. *Powder Technology*, **2020**, 362, 341-349	5.2	9
320	Droplet evaporation on a structured surface: The role of near wall vortexes in heat and mass transfer. *International Journal of Heat and Mass Transfer*, **2020**, 148, 119126	4.9	10
319	Effects of plant additives on the concentration of sulfur and nitrogen oxides in the combustion products of coal-water slurries containing petrochemicals. *Environmental Pollution*, **2020**, 258, 113682	9.3	23
318	Localization of Ground, Crown, and Combined Forest Fires with the Use of a Barrier Strip. *Journal of Engineering Physics and Thermophysics*, **2020**, 93, 626-634	0.6	0

317	Influence of the Method of Water Supply to the Zone of a Forest Fire on the Efficiency of its Extinguishing. *Journal of Engineering Physics and Thermophysics*, **2020**, 93, 1460-1469	0.6	1
316	Prediction of water droplet behavior on aluminum alloy surfaces modified by nanosecond laser pulses. *Surface and Coatings Technology*, **2020**, 399, 126206	4.4	8
315	Suppression of Flaming Combustion and Thermal Decomposition of Condensed Matter at Different Heights of the Beginning of Water Array Motion. *Combustion, Explosion and Shock Waves*, **2020**, 56, 83-91	1	0
314	Suppression Characteristics of Flaming Combustion and Thermal Decomposition of Forest Fuels. *Combustion, Explosion and Shock Waves*, **2020**, 56, 163-171	1	
313	New approach to the heat transfer modeling in the coolant layer on the lower cover of a thermosyphon. *International Journal of Heat and Mass Transfer*, **2020**, 163, 120555	4.9	5
312	Temperature Fields of Two-Liquid Droplets Moving in Preheated Medium before Micro-Explosive Fragmentation. *Journal of Engineering Thermophysics*, **2020**, 29, 234-244	1.4	
311	Influence of a wet wood particle form on the characteristics of its ignition in the high-temperature medium. *Renewable Energy*, **2020**, 145, 1474-1486	8.1	6
310	Droplet Spreading and Wettability of Abrasive Processed Aluminum Alloy Surfaces. *Metals and Materials International*, **2020**, 26, 46-55	2.4	12
309	Estimation of energy consumption for drying of forest combustible materials during their preparation for incineration in the furnaces of steam and hot water boilers. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2020**, 42, 1997-2005	1.6	6
308	Ignition mechanism and characteristics of gel fuels based on oil-free and oil-filled cryogels with fine coal particles. *Powder Technology*, **2020**, 360, 65-79	5.2	10
307	Thermophysical and Thermokinetic Characteristics of Forest Combustible Materials. *Journal of Engineering Physics and Thermophysics*, **2019**, 92, 1355-1363	0.6	4
306	Characteristics of the Aerosol Cloud Formed during Microexplosive Fragmentation of a Two-Component Liquid Drop. *Technical Physics Letters*, **2019**, 45, 805-808	0.7	4
305	Prognosis Model for Investigating the Evaporation of Water Droplets. *Journal of Engineering Physics and Thermophysics*, **2019**, 92, 907-915	0.6	1
304	Effect of the Angular and Linear Parameters of Interaction of Water Droplets of Various Shapes on the Characteristics of Their Collisions. *Journal of Applied Mechanics and Technical Physics*, **2019**, 60, 650-660	0.6	2
303	Combined techniques of secondary atomization of multi-component droplets. *Chemical Engineering Science*, **2019**, 209, 115199	4.4	10
302	Numerical simulation of gel fuel gas-phase ignition by a local source of limited heat content. *Acta Astronautica*, **2019**, 163, 44-53	2.9	6
301	Physicochemical Transformations of Mixed Fuels Based on Typical Coals and Wood upon Heating. *Solid Fuel Chemistry*, **2019**, 53, 22-28	0.7	6
300	Droplet state and mechanism of contact line movement on laser-textured aluminum alloy surfaces. *Journal of Colloid and Interface Science*, **2019**, 553, 557-566	9.3	26

299	Experimental Study of Regularities in Suppression of Flame Combustion and Thermal Decomposition of Forest Combustible Materials Using Aerosols of Different Dispersiveness. *Journal of Engineering Thermophysics*, **2019**, 28, 43-55	1.4	1
298	Effect of the Kinetic Model of Pyrolysis on Prognostic Estimates of Ignition Characteristics of Wood Particles. *Combustion, Explosion and Shock Waves*, **2019**, 55, 197-209	1	1
297	Ignition of the wood biomass particles under conditions of near-surface fragmentation of the fuel layer. *Fuel*, **2019**, 252, 19-36	7.1	13
296	Comparison of the characteristics of micro-explosion and ignition of two-fluid water-based droplets, emulsions and suspensions, moving in the high-temperature oxidizer medium. *Acta Astronautica*, **2019**, 160, 258-269	2.9	21
295	Warming-up and evaporation characteristics of homogeneous and heterogeneous water droplets. *International Journal of Heat and Mass Transfer*, **2019**, 138, 1061-1074	4.9	1
294	Conditions and Characteristics in Ignition of Composite Fuels Based on Coal with the Addition of Wood. *Thermal Engineering (English Translation of Teploenergetika)*, **2019**, 66, 133-137	0.8	17
293	Marangoni flow and free convection during crystallization of a salt solution droplet. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 572, 37-46	5.1	23
292	Conditions and Characteristics of High-Temperature Processes of Ebullition and Disintegration of Droplets of Water Emulsions. *Journal of Engineering Physics and Thermophysics*, **2019**, 92, 249-259	0.6	0
291	Effect of high-temperature gas flow on ignition of the water-coal fuel particles. *Combustion and Flame*, **2019**, 203, 375-385	5.3	13
290	Collisions between Liquid Drops of Various Shapes in a Gas Flow. *Technical Physics Letters*, **2019**, 45, 267-270	0.7	3
289	Interaction of a Liquid Aerosol with the Combustion Front of a Forest Combustible Material Under the Conditions of Countercurrent Air Flow. *Journal of Engineering Physics and Thermophysics*, **2019**, 92, 687-693	0.6	1
288	Temperature and convection velocities in two-component liquid droplet until micro-explosion. *Experimental Thermal and Fluid Science*, **2019**, 109, 109862	3	9
287	The influence of the surface microtexture on wettability properties and drop evaporation. *Surface and Coatings Technology*, **2019**, 375, 458-467	4.4	29
286	Experimental Determination of the Fire-Break Size and Specific Water Consumption for Effective Containment and Complete Suppression of the Front Propagation of a Typical Local Wildfire. *Journal of Applied Mechanics and Technical Physics*, **2019**, 60, 68-79	0.6	2
285	Protective Lines for Suppressing the Combustion Front of Forest Fuels: Experimental Research. *Chemical Engineering Research and Design*, **2019**, 131, 73-88	5.5	3
284	Peculiarities of using slurry fuels in thermal power plants. *Thermal Science*, **2019**, 23, 2047-2057	1.2	
283	Suppressing the thermal decomposition of forest fuel using the different water spraying schemes. *Thermal Science*, **2019**, 23, 3263-3273	1.2	0
282	Features of propagation of droplets of water and special water-based compositions in a sample of forest fuel material. *Thermal Science*, **2019**, 23, 3339-3350	1.2	

281	Ignition of granulated mixed fuel based on lignite and wood waste. *Journal of Physics: Conference Series*, **2019**, 1359, 012134	0.3	1
280	Reasons for tangerine peel utilization in the composition of mixed fuels based on bituminous coal. *Journal of Physics: Conference Series*, **2019**, 1359, 012136	0.3	1
279	Rates of High-Temperature Evaporation of Promising Fire-Extinguishing Liquid Droplets. *Applied Sciences (Switzerland)*, **2019**, 9, 5190	2.6	6
278	Experimental Investigation of the Suppression of Crown and Ground Forest Fires. *Journal of Engineering Physics and Thermophysics*, **2019**, 92, 1453-1465	0.6	1
277	Interaction of Water and Suspension Droplets during Their Collisions in a Gas Medium. *Theoretical Foundations of Chemical Engineering*, **2019**, 53, 769-780	0.9	3
276	Benefits of Slurry Fuels Based on Industrial Wastes. *Coke and Chemistry*, **2019**, 62, 422-432	0.5	3
275	Conditions of the Water–Coal Fuel Drop Dispersion at Their Ignition in the Conditions of High-Temperature Heating. *Combustion Science and Technology*, **2019**, 191, 2162-2184	1.5	4
274	Mechanism of Sulfur and Nitrogen Oxides Suppression in Combustion Products of Mixed Fuels Based on Coal and Wood. *Combustion Science and Technology*, **2019**, 191, 2071-2081	1.5	5
273	Unification of the textures formed on aluminum after laser treatment. *Applied Surface Science*, **2019**, 469, 974-982	6.7	32
272	The Conditions and Characteristics of Wood Particles Ignition in the Stream of the High Temperature Gases. *Combustion Science and Technology*, **2018**, 190, 663-686	1.5	14
271	Evaporation of Water Droplets Moving Through High-Temperature Gases. *Journal of Engineering Physics and Thermophysics*, **2018**, 91, 97-103	0.6	1
270	Methodological Errors of Defining the Thermophysical Characteristics of Materials Using the Laser Pulse Method at High Temperatures. *Measurement Techniques*, **2018**, 60, 1032-1037	0.4	
269	The influence of the drop formation rate at spreading over a microstructured surface on the contact angle. *Thermophysics and Aeromechanics*, **2018**, 25, 237-244	0.9	3
268	Suppression of the Thermal Decomposition Reaction of Forest Combustible Materials in Large-Area Fires. *Journal of Engineering Physics and Thermophysics*, **2018**, 91, 411-419	0.6	4
267	INFLUENCE OF SPECIALIZED ADDITIVES ON THE EFFICIENCY OF LOCALIZATION OF FLAME BURNING AND THERMAL DECOMPOSITION OF FOREST FUEL MATERIALS. *Pozharovzryvobezopasnost/Fire and Explosion Safety*, **2018**, 27, 5-16	0.5	1
266	Applying composite fuels based on coal and finely dispersed wood in heat power engineering. *Journal of Physics: Conference Series*, **2018**, 1128, 012064	0.3	0
265	Influence of wood component on physical and chemical transformations during high temperature heating of composite fuel based on bituminous coal. *Journal of Physics: Conference Series*, **2018**, 1128, 012081	0.3	
264	Conditions for Explosive Disintegration of Inhomogeneous Water Droplets on High-Temperature Heating. *Journal of Engineering Physics and Thermophysics*, **2018**, 91, 1496-1504	0.6	

263	Effect of Diffusion of Coal Pyrolysis Products on the Ignition Characteristics and Conditions of Coal–Water Fuel Droplets. *Combustion, Explosion and Shock Waves*, **2018**, 54, 654-663	1	
262	Effect of Specific Water Consumption on Suppression of Combustion and Thermal Decomposition of Forest Combustible Materials. *Doklady Physics*, **2018**, 63, 508-512	0.8	0
261	Influence of the degree of coal metamorphism on characteristics and conditions of ignition of coal-water fuel drops. *Thermophysics and Aeromechanics*, **2018**, 25, 773-788	0.9	3
260	Physicochemical Processes in the Interaction Of Aerosol with the Combustion Front of Forest Fuel Materials. *Journal of Applied Mechanics and Technical Physics*, **2018**, 59, 891-902	0.6	11
259	The Main Elements of a Strategy for Combined Utilization of Industrial and Municipal Waste from Neighboring Regions by Burning it as Part of Composite Fuels. *Energies*, **2018**, 11, 2534	3.1	6
258	Influence of Special Additives in a Water Aerosol on the Suppression of a Forest Fire with it. *Journal of Engineering Physics and Thermophysics*, **2018**, 91, 1250-1259	0.6	4
257	Influence of the Density of a Forest Combustible Material on the Suppression of its Thermal Decomposition by a Liquid Aerosol. *Journal of Engineering Physics and Thermophysics*, **2018**, 91, 907-912	0.6	
256	Explosive Decay of Emulsion Drops Based on Water and Oil Products under Conditions of High-Temperature Purification of Liquids. *Doklady Physics*, **2018**, 63, 462-466	0.8	2
255	Ignition of Particles of Wet Woody Biomass under Convective Diffusion of Water Vapor in the Near-Wall Region. *Combustion, Explosion and Shock Waves*, **2018**, 54, 325-336	1	4
254	Extinguishing a Ground Forest Fire by Spraying Water Over its Edge. *Journal of Engineering Physics and Thermophysics*, **2018**, 91, 758-765	0.6	2
253	Modeling the Water Droplet Evaporation Processes with Regard to Convection, Conduction and Thermal Radiation. *Journal of Engineering Thermophysics*, **2018**, 27, 145-154	1.4	4
252	Coagulation and splitting of droplets of coal-water slurry containing petrochemicals and their effect on ignition characteristics. *Applied Thermal Engineering*, **2017**, 116, 266-277	5.8	8
251	Gas temperature in the trace of water droplets streamlined by hot air flow. *International Journal of Multiphase Flow*, **2017**, 91, 184-193	3.6	10
250	Experimental Study of the Influence of the Concentration of Organic Water-Coal Fuel Components on the Integral Ignition Characteristics. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 217-226	0.6	1
249	The influence of the structure heterogeneity on the characteristics and conditions of the coal–water fuel particles ignition in high temperature environment. *Combustion and Flame*, **2017**, 180, 196-206	5.3	43
248	Prediction of minimum water amount to stop thermal decomposition of forest fuel. *Journal of Engineering Thermophysics*, **2017**, 26, 139-145	1.4	1
247	Numerical study of the effect of burnout on the ignition characteristics of polymer under local heating. *Combustion, Explosion and Shock Waves*, **2017**, 53, 176-186	1	2
246	Sawdust as ignition intensifier of coal water slurries containing petrochemicals. *Energy*, **2017**, 140, 69-77	7.9	13

245	Evaporation of aqueous suspension drops with ground admixtures in the region of high-temperature combustion products. *Theoretical Foundations of Chemical Engineering*, **2017**, 51, 468-475	0.9	1
244	Heat and mass transfer at gas-phase ignition of grinded coal layer by several metal particles heated to a high temperature. *Thermophysics and Aeromechanics*, **2017**, 24, 593-604	0.9	4
243	Transformation of Solution and Suspension Masses during Their Free Fall in Air. *Theoretical Foundations of Chemical Engineering*, **2017**, 51, 1055-1062	0.9	3
242	The High-Temperature Evaporation of Water Droplets in a Gaseous Medium. *Technical Physics*, **2017**, 62, 1908-1911	0.5	3
241	Application of the planar laser-induced fluorescence method to determine the temperature field ofwater droplets under intensive heating. *Journal of Engineering Thermophysics*, **2017**, 26, 325-338	1.4	3
240	Numerical Investigation of the Influence of the Geometric Dimensions of a Thermosyphon on the Efficiency of Heat Transfer. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2017**, 53, 435-440	0.6	
239	Experimental estimation of evaporation rates of water droplets in high-temperature gases. *Journal of Applied Mechanics and Technical Physics*, **2017**, 58, 889-894	0.6	1
238	Mathematical modeling of thermal modes of thermosyphons in operation with characteristic heat loads of aircraft equipment batteries. *Russian Aeronautics*, **2017**, 60, 251-256	0.3	
237	Influence of the temperature dependence of the thermophysical properties of coal–water fuel on the conditions and characteristics of ignition. *Solid Fuel Chemistry*, **2017**, 51, 160-165	0.7	5
236	On the Mechanism of Interaction of Two Water Droplets Moving Successively at a Small Distance from Each Other in a High-Temperature Gas Medium. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 134-139	0.6	
235	Experimental Study of the Ignition of Single Drops of Coal Suspensions and Coal Particles in the Oxidizer Flow. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 198-205	0.6	4
234	Initiation of Combustion of a Gel-Like Condensed Substance by a Local Source of Limited Power. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 206-216	0.6	1
233	Specific features in the transformation of liquid drops during their motion in a gas medium. *Theoretical Foundations of Chemical Engineering*, **2017**, 51, 359-367	0.9	
232	Mechanism of heat transfer in heterogeneous droplets of water under intense radiant heating. *Journal of Engineering Thermophysics*, **2017**, 26, 183-196	1.4	4
231	Characteristics of the ignition of organic coal–water fuels for boiler installations. *Solid Fuel Chemistry*, **2017**, 51, 95-100	0.7	2
230	Experimental Study of the Conditions for Quenching Forest Combustible Materials. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 511-520	0.6	2
229	Predictive Determination of the Integral Characteristics of Evaporation of Water Droplets in Gas Media with a Varying Temperature. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 615-624	0.6	16
228	Experimental Determination of Conditions for the Explosive Fragmentation of a Heterogeneous Water Droplet in Heating in a High-Temperature Gas Medium. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 625-633	0.6	1

227	Studying gas temperature variation upon aerosol injection. *Technical Physics Letters*, **2017**, 43, 301-304	0.7	0
226	Calculation of the characteristics of the ignition of a metallized composite propellant using various methods for describing its thermophysical properties. *Russian Journal of Physical Chemistry B*, **2017**, 11, 133-139	1.2	2
225	Simulation of the process of coal dust ignition in the presence of metal particles. *Solid Fuel Chemistry*, **2017**, 51, 24-31	0.7	1
224	Ignition of a polymer propellant of hybrid rocket motor by a hot particle. *Acta Astronautica*, **2017**, 133, 387-396	2.9	6
223	Temperature measurement in the trace of water droplet when heating by hot air. *Experimental Thermal and Fluid Science*, **2017**, 81, 256-264	3	12
222	Amount of Water Sufficient to Suppress Thermal Decomposition of Forest Fuel. *Journal of Mechanics*, **2017**, 33, 703-711	1	5
221	Limited transverse sizes of a droplet cloud under disintegration of a water mass during its fall from a great height. *Doklady Physics*, **2017**, 62, 333-336	0.8	2
220	Determination of the Volume of Water for Suppressing the Thermal Decomposition of Forest Combustibles. *Journal of Engineering Physics and Thermophysics*, **2017**, 90, 789-796	0.6	3
219	Experimental study of the suppression of flaming combustion and thermal decomposition of model ground and crown forest fires. *Combustion, Explosion and Shock Waves*, **2017**, 53, 678-688	1	15
218	Evaporation, boiling and explosive breakup of heterogeneous droplet in a high-temperature gas. *International Journal of Heat and Mass Transfer*, **2016**, 92, 360-369	4.9	50
217	Movement and evaporation of water droplets under conditions typical for heat-exchange chambers of contact water heaters. *Thermal Engineering (English Translation of Teploenergetika)*, **2016**, 63, 666-673	0.8	2
216	Heat and mass transfer in a coal-water fuel particle at the stage of thermal treatment. *Thermophysics and Aeromechanics*, **2016**, 23, 603-612	0.9	4
215	Physics of suppression of thermal decomposition of forest fuel using surface water film. *Journal of Engineering Thermophysics*, **2016**, 25, 443-448	1.4	3
214	The effect of gas and water droplet temperature on characteristics of water-droplet deformation at moderate velocities of droplet movement. *Theoretical Foundations of Chemical Engineering*, **2016**, 50, 746-756	0.9	
213	Differences in the ignition characteristics of coal–water slurries and composite liquid fuel. *Solid Fuel Chemistry*, **2016**, 50, 88-101	0.7	25
212	Ignition of a coal particle on a heated surface. *Solid Fuel Chemistry*, **2016**, 50, 213-219	0.7	6
211	Experimental Investigation of the Mixed Convection of a Gas in a Rectangular Enclosure with a Local Heat Source and Heat Removal at the Outer Boundaries. *Journal of Engineering Physics and Thermophysics*, **2016**, 89, 1241-1246	0.6	3
210	Reliability analysis of electrical engineering power semiconductor devices. *Russian Electrical Engineering*, **2016**, 87, 235-239	0.5	2

209	Numerical analysis of thermogravitational turbulent convection in a closed rectangular region with radiation source of energy. *Thermophysics and Aeromechanics*, **2016**, 23, 393-401	0.9	2
208	Effect of the thermophysical properties of the material of a local energy source on conditions and characteristics of ignition of metallized composite propellants. *Russian Journal of Physical Chemistry B*, **2016**, 10, 946-952	1.2	1
207	Deformation of a water shell during free fall in air. *Doklady Physics*, **2016**, 61, 195-200	0.8	3
206	Features of transformation of water projectiles moving through high-temperature combustion products. *Technical Physics Letters*, **2016**, 42, 256-259	0.7	3
205	Influence of the Duration of Thermal Action on the Errors in Determining the Thermophysical Characteristics of Ceramic Materials by a Laser Pulse Method. *Journal of Engineering Physics and Thermophysics*, **2016**, 89, 728-732	0.6	
204	Experimental determination of the retention time of reduced temperature of gas–vapor mixture in trace of water droplets moving in counterflow of combustion products. *Technical Physics Letters*, **2016**, 42, 644-648	0.7	1
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202	Regimes of water droplet evaporation on copper substrates. *Colloid Journal*, **2016**, 78, 335-339	1.1	27
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