Vladimir Lysenko

List of Publications by Year
in descending order

64 papers	276 citations	1040056 9 h-index	996975 15 g-index
64 all docs	64 docs citations	64 times ranked	120 citing authors

#	Article	IF	Citations
1	The effect of cooling on supersonic boundary-layer stability. Journal of Fluid Mechanics, 1984, 147, 39.	3.4	73
2	Combined influence of coating permeability and roughness on supersonic boundary layer stability and transition. Journal of Fluid Mechanics, 2016, 798, 751-773.	3.4	23
3	Experimental studies of stability and transition in high-speed wakes. Journal of Fluid Mechanics, 1999, 392, 1-26.	3.4	18
4	Properties of ceramics prepared from nanopowders. Inorganic Materials, 2009, 45, 335-339.	0.8	16
5	Influence of distributed heavy-gas injection on stability and transition of supersonic boundary-layer flow. Physics of Fluids, 2019, 31, .	4.0	14
6	Transition reversal and one of its causes. AIAA Journal, 1981, 19, 705-708.	2.6	13
7	Influence of the entropy layer on the stability of a supersonic shock layer and transition of the laminar boundary layer to turbulence. Journal of Applied Mechanics and Technical Physics, 1991, 31, 868-873.	0.5	11
8	The influence of surface porosity on the stability and transition of supersonic boundary layer on a flat plate. Thermophysics and Aeromechanics, 2010, 17, 259-268.	0.5	9
9	Stability of supersonic boundary layer under the influence of heavy gas injection: experimental study. Thermophysics and Aeromechanics, 2018, 25, 183-190.	0.5	9
10	Influence of porous-coating thickness on the stability and transition of flat-plate supersonic boundary layer. Thermophysics and Aeromechanics, 2012, 19, 555-560.	0.5	7
11	Preparation of nickel nanopowder through evaporation of the initial coarsely dispersed materials on an electron accelerator. Physics of the Solid State, 2011, 53, 854-859.	0.6	6
12	Ceramic from nanopowders and its properties. Glass and Ceramics (English Translation of Steklo I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	5
13	High Volume Synthesis of Silicon Nanopowder by Electron Beam Ablation of Silicon Ingot at Atmospheric Pressure. Japanese Journal of Applied Physics, 2008, 47, 7019-7022.	1.5	5
14	Influence of surface sublimation on the stability of the supersonic boundary layer and the laminarâ€“turbulent transition. Physics of Fluids, 2021, 33, 024101.	4.0	5
15	Possibilities of production of nanopowders with high power ELV electron accelerator. Bulletin of Materials Science, 2011, 34, 677-681.	1.7	4
16	Evaluating partial pressure of vapors for various oxides. Thermophysics and Aeromechanics, 2012, 19, 337-342.	0.5	4
17	Joint permeability and roughness effect on the supersonic flat-plate boundary layer stability and transition. Fluid Dynamics, 2014, 49, 608-613.	0.9	4
18	Microhardness of ceramics produced from different alumina nanopowders by different techniques. Inorganic Materials, 2014, 50, 537-540.	0.8	4

#	Article	IF	Citations
19	Effect of the specific heat ratio on the stability and laminar-turbulent transition of a supersonic boundary layer. Fluid Dynamics, 1989, 24, 317-321.	0.9	3
20	Investigation of acoustic waves propagation and flow in nanodispersed medium. Thermophysics and Aeromechanics, 2011, 18, 25-30.	0.5	3
21	Tribological properties of thin coatings based on epilams modified by nanosized silica. Journal of Friction and Wear, 2014, 35, 161-169.	0.5	3
22	Investigation of the effect of heavy gas injection into a supersonic boundary layer on laminar-turbulent transition. Fluid Dynamics, 2017, 52, 769-776.	0.9	3
23	Ð¡Ð¾Ð·Ð´Ð°Ð½Ð¸Ðµ ÐºÐµÑ€Ð°Ð¼Ð¸ÐºÐ¸ Ð¸Ð· Ð½Ð°Ð½Ð¾Ð¿Ð¾Ñ€Ð¾ÑˆÐºÐ° Ð´Ð¸Ð¾ÐºÑÐ¸Ð´Ð° Ñ†Ð¸Ñ€ÐºÐ¾Ð½Ð¸Ñ•Ð¼ÐµÑ‚Ð	[illegible]	3
24	Laminar-turbulent transition of supersonic boundary layer on a cooled surface. Journal of Applied Mechanics and Technical Physics, 1981, 22, 310-315.	0.5	2
25	The role of the first and second modes in compressible boundary-layer transition. Journal of Applied Mechanics and Technical Physics, 1986, 26, 809-812.	0.5	2
26	Development of perturbations near a surface in a supersonic flow. Journal of Applied Mechanics and Technical Physics, 1989, 29, 827-832.	0.5	2
27	Stability of a high-speed boundary layer. Journal of Applied Mechanics and Technical Physics, 1989, 29, 832-835.	0.5	2
28	Experimental study of the evolution of perturbations in the supersonic wake behind a flat plate. Fluid Dynamics, 1996, 31, 618-621.	0.9	2
29	Ceramics prepared from silicon dioxide nanopowders. Glass Physics and Chemistry, 2008, 34, 512-514.	0.7	2
30	Preparation and properties of ceramics from a zirconia nanopowder. Glass Physics and Chemistry, 2009, 35, 538-540.	0.7	2
31	Analysis of Nickel Nanoclusters Size Distribution Synthesized from the Gas Phase. Journal of Computational and Theoretical Nanoscience, 2012, 9, 102-109.	0.4	2
32	ÐšÐµÑ€Ð°Ð¼Ð¸ÐºÐ° Ð¸Ð· Ð½Ð°Ð½Ð¾Ð¿Ð¾Ñ€Ð¾ÑˆÐºÐ° Ð´Ð¸Ð¾ÐºÑÐ¸Ð´Ð° Ñ‚Ð¸Ñ‚Ð°Ð½Ð°: ÑÐ¾Ð·Ð´Ð°Ð½Ð¸Ðµ Ð¼ÐµÑ‚Ð¾Ð´	[illegible]	2
33	Stability of a wake behind a flat plate in a supersonic flow. Journal of Applied Mechanics and Technical Physics, 1995, 36, 844-847.	0.5	1
34	Experimental determination of the dependence of starch looseness on the concentration of the silicon dioxide nanopowder (tarcosil) in it. Russian Journal of Non-Ferrous Metals, 2009, 50, 383-385.	0.6	1
35	Gas filtration and separation with nano-size ceramics. Thermophysics and Aeromechanics, 2011, 18, 273-280.	0.5	1
36	Use of hot-wire anemometry for measuring the nanopowder flow velocity. Fluid Dynamics, 2012, 47, 281-287.	0.9	1

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37	Creation and properties of ceramics from niobium oxide nanopowder. Glass Physics and Chemistry, 2016, 42, 522-524.	0.7	1
38	Influence of coating permeability and roughness on supersonic boundary layer stability. AIP Conference Proceedings, 2016, , .	0.4	1
39	ÐšÐµÑ€Ð°Ð¼Ð¸ÐºÐ° Ð¸Ð· Ð½Ð°Ð½Ð¾Ð¿Ð¾Ñ€Ð¾ÑˆÐºÐ° Ð¾ÐºÑÐ¸Ð´Ð° Ð¼ÐµÐ´Ð¸, ÑÐ¾Ð·Ð´Ð°Ð½Ð½Ð°Ñ SPS-Ð¼ÐµÑ‚Ð¾Ð´	0.0	1
40	Influence of Heavy Gas Blowing into the Wall Layer of Supersonic Boundary-Layer on Its Transition. Siberian Journal of Physics, 2017, 12, 50-56.	0.3	1
41	The Effect of Cooling on the Supersonic Boundary Layer Stability and Transition. , 1985, , 495-502.		1
42	On The Influence Of Porous Coating Thickness On Supersonic Boundary Layer Stability. Vestnik Novosibirskogo Gosudarstvennogo Universiteta SeriÃ¢: Fizika, 2015, 10, 41-47.	0.1	1
43	Theoretical and Experimental Investigation of the First Instability Mode Development in Supersonic Boundary Layers on Porous Coatings. Vestnik Novosibirskogo Gosudarstvennogo Universiteta SeriÃ¢: Fizika, 2014, 9, 65-74.	0.1	1
44	ÐšÐ•ÐÐÐœÐ˜ÐšÐ•Ð˜Ð— ÐÐÐÐžÐŸÐžÐÐžÐ¨ÐšÐ•ÐžÐšÐ¡Ð˜Ð”Ð•ÐœÐžÐ›Ð˜Ð‘Ð”Ð•ÐÐ: Ð¡Ð’ÐžÐ™Ð¡Ð¢Ð’Ð•Ð˜ Ð¡ÐžÐ—Ð”ÐÐÐ˜Ð• SPS-Ð	0.0	1
45	Production and Properties of Ceramic Made From Nickel Oxide Nanopowder. Glass and Ceramics (English Translation of Steklo I Keramika), 0, , .	0.6	1
46	Influence of deep cooling on the transition in a supersonic boundary layer. Fluid Dynamics, 1981, 16, 193-198.	0.9	0
47	Reversal of the laminar-turbulent transition of a boundary layer on a cooled surface. Fluid Dynamics, 1984, 19, 318-321.	0.9	0
48	Stability of a nonisothermal boundary layer in the presence of periodic perturbations of the exterior flow velocity. Fluid Dynamics, 1985, 19, 831-834.	0.9	0
49	Step-induced turbulence in a high-velocity boundary layer. Fluid Dynamics, 1989, 24, 150-153.	0.9	0
50	Effect of longitudinal magnetic field on high-speed boundary layer transition. Fluid Dynamics, 1992, 26, 622-624.	0.9	0
51	Title is missing!. Fluid Dynamics, 2002, 37, 568-575.	0.9	0
52	Interaction of a Supersonic Turbulent Wake with Acoustic Disturbances. Fluid Dynamics, 2003, 38, 878-881.	0.9	0
53	Stability of a supersonic flat-plate wake (Comparison of numerical and experimental results). Fluid Dynamics, 2008, 43, 869-872.	0.9	0
54	Investigation of the optical properties of aqueous solutions of silica nanopowders. Glass Physics and Chemistry, 2009, 35, 176-180.	0.7	0

#	Article	IF	Citations
55	Compaction of nanopowders through electrophoretic precipitation. Glass Physics and Chemistry, 2010, 36, 679-681.	0.7	0
56	Stability of a nanopowder boundary-layer flow on a concave plate. Fluid Dynamics, 2012, 47, 346-350.	0.9	0
57	Different-Oxides Nanoceramics Microhardness. International Journal of Nanoscience, 2014, 13, 1440003.	0.7	0
58	Microhardness of Ceramic Obtained from Oxide Nanopowders by the Conventional and SPS Methods. Glass and Ceramics (English Translation of Steklo I Keramika), 2015, 71, 431-433.	0.6	0
59	Production and Properties of Ceramic Obtained From Cobalt Oxide Nanopowder. Glass and Ceramics (English Translation of Steklo I Keramika), 2017, 74, 126-127.	0.6	0
60	Experimental investigation of influence of tangential and normal heavy-gas blowing on the supersonic boundary-layer stability. AIP Conference Proceedings, 2018, , .	0.4	0
61	Fabrication and Properties of Ceramics Based on Chrome Oxide Nanopowder. Glass Physics and Chemistry, 2018, 44, 204-206.	0.7	0
62	Experimental study of influence of heavy gas injection into boundary layer on perforated model surface at Mach number 2 on its stability to controlled disturbances. AIP Conference Proceedings, 2021, , .	0.4	0
63	Effect of surface sublimation on boundary-layer stability. AIP Conference Proceedings, 2021, , .	0.4	0
64	Development of Disturbances in the Supersonic Boundary Layer under Helium Injection from the Surface. Siberian Journal of Physics, 2022, 16, 41-47.	0.3	0