

# Vladimir Yakovlev

## List of Publications by Year in descending order

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14  
papers

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citations

2258059

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h-index

2053705

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g-index

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all docs

14  
docs citations

14  
times ranked

9  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma dynamics of a laser breakdown in a gas flow. AIP Conference Proceedings, 2020, , .	0.4	0
2	Modeling the Laser Energy Supply in a Gas Flow. Technical Physics Letters, 2019, 45, 335-338.	0.7	4
3	Primary cause and mechanisms of structural instability of strong shock waves in gases. Shock Waves, 2019, 29, 365-379.	1.9	2
4	On the effects of thermal wake from the optical pulsating discharge on the body aerodynamic drag. AIP Conference Proceedings, 2018, , .	0.4	1
5	The influence of the thermal wake due to pulsating optical discharge on the aerodynamic-drag force. Thermophysics and Aeromechanics, 2018, 25, 257-264.	0.5	8
6	Investigation of the effect of an optical pulsating discharge on the modelâ€™s aerodynamic drag in supersonic air flow. AIP Conference Proceedings, 2017, , .	0.4	0
7	Energy-exchange mechanisms and structural instability of ionizing shock waves. Doklady Physics, 2012, 57, 355-358.	0.7	1
8	Radiative relaxation of argon plasma in shock waves. Technical Physics Letters, 2006, 32, 505-507.	0.7	3
9	Effect of the high rate of avalanche ionization behind a shock wave in a monatomic gas. Doklady Physics, 2003, 48, 418-421.	0.7	1
10	The avalanche ionization rate and energy exchange mechanisms in argon plasma behind the shock wave front. Technical Physics Letters, 2002, 28, 746-749.	0.7	2
11	Effect of Thermocapillary Forces on the Initial Section of a Melt Film. Journal of Applied Mechanics and Technical Physics, 2001, 42, 290-293.	0.5	0
12	Optical pulsating discharge plasma dynamics in a supersonic jet: Experiment and an analytical model of the quasistationary flow development. Technical Physics Letters, 2001, 27, 356-358.	0.7	1
13	Supersonic flow regimes with a pulsating laser radiation energy supply. Technical Physics Letters, 2001, 27, 722-724.	0.7	0
14	The avalanche ionization rate in argon and krypton measured at the shockwave Mach numbers close to the flow instability development threshold. Technical Physics Letters, 2000, 26, 803-805.	0.7	2