

# Nikita V Bykov

## List of Publications by Year in descending order

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8  
papers

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2258059

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2053705

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#	ARTICLE	IF	CITATIONS
1	Energy Transfer Optimization in the Case of Single-Stage Acceleration of a Piston by Compressed Gas. Journal of Applied Mechanics and Technical Physics, 2019, 60, 424-431.	0.5	1
2	High-Speed Extrusion of Polyethylene in the Acceleration of Projectiles in Ballistic Launchers. Journal of Applied Mechanics and Technical Physics, 2019, 60, 768-776.	0.5	2
3	A Mathematical Model of the Locomotion Mechanism of a Mobile Track Robot with the Magnetic-Tape Principle of Wall Climbing. Journal of Machinery Manufacture and Reliability, 2019, 48, 250-258.	0.5	12
4	Evolutionary method for combined ballistic launchers structural and parametric optimization. AIP Conference Proceedings, 2019, , .	0.4	3
5	Low-density polyethylene extreme deformation in laboratory ballistic launchers. AIP Conference Proceedings, 2019, , .	0.4	0
6	Conical Diffraction in One Dimensional Media Containing the Negative Index Defect. Physics Procedia, 2015, 73, 2-6.	1.2	0
7	Numerical modelling of physical processes in a ballistic laboratory setup with a tapered adapter and plastic piston used for obtaining high muzzle velocities. Journal of Physics: Conference Series, 2014, 572, 012055.	0.4	4
8	On the stability of fluid flow in a periodic channel. Doklady Physics, 2010, 55, 409-414.	0.7	0