

Nikolay Myagkov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Model of Change of an Ejection Angle in the Case of Penetration of an Impactor into a Massive Target. <i>PrikladnaĀ Mehanika, TehniĀeskaĀ Fizika</i> , 2022, 63, 130-137.	0.0	0
2	MODEL OF CHANGE OF AN EJECTION ANGLE IN THE CASE OF PENETRATION OF AN IMPACTOR INTO A MASSIVE TARGET. <i>Journal of Applied Mechanics and Technical Physics</i> , 2022, 63, 111-117.	0.5	0
3	Model of interaction of a rigid mesh with a deformable target. <i>Meccanica</i> , 2021, 56, 179-193.	2.0	0
4	Studies of the Fragmentation of Spherical Aluminum Projectiles on a Heavy Mesh at Velocities of up to 7 km/s. <i>Journal of Experimental and Theoretical Physics</i> , 2021, 132, 177-188.	0.9	0
5	Critical behavior for impact fragmentation of spherical solid bodies sensitive to strain rate. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 113201.	2.3	0
6	Some Features of Fragmentation of an Aluminum Projectile at Various Velocities of Penetration into a Mesh Bumper. <i>PrikladnaĀ Mehanika, TehniĀeskaĀ Fizika</i> , 2021, 62, 97-107.	0.0	0
7	SOME FEATURES OF FRAGMENTATION OF AN ALUMINUM PROJECTILE AT VARIOUS VELOCITIES OF PENETRATION INTO A MESH BUMPER. <i>Journal of Applied Mechanics and Technical Physics</i> , 2021, 62, 972-980.	0.5	0
8	Model for the Interaction of a Rigid String with a Deformable Target. <i>Russian Metallurgy (Metally)</i> , 2019, 2019, 294-300.	0.5	1
9	Fragmentation model of a rapidly expanding ring with arbitrary cross-section. <i>Meccanica</i> , 2019, 54, 1219-1224.	2.0	1
10	Studying the redistribution of kinetic energy between the morphologically distinct parts of the fragments cloud formed from high-velocity impact fragmentation of an aluminum sphere on a steel mesh. <i>AIMS Materials Science</i> , 2019, 6, 685-696.	1.4	4
11	Scaling Invariance and Characteristics of the Cloud of Spherical Projectile Fragmentation Products upon High-Velocity Impact on a Thin Mesh Shield. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 126, 50-63.	0.9	1
12	Scaling invariance of spherical projectile fragmentation upon high-velocity impact on a thin continuous shield. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 57-69.	0.9	9
13	Modeling of high-velocity impact ejecta by experiments with a water drop impacting on a water surface. <i>Acta Mechanica</i> , 2016, 227, 2911-2924.	2.1	3
14	Fragmentation model for expanding cylinder. <i>International Journal of Fracture</i> , 2014, 187, 239-243.	2.2	9
15	Estimating parameters of fragments forming at penetration of periodic system of strings into a semi-infinite target. <i>International Journal of Impact Engineering</i> , 2013, 61, 13-23.	5.0	3
16	Approximate modeling of wave processes in elastoplastic solids. <i>Acta Mechanica</i> , 2012, 223, 2379-2392.	2.1	0
17	CHARACTERISTIC FEATURES OF PROJECTILE FRAGMENTATION ON A MESH BUMPER AT HIGH-VELOCITY IMPACT. <i>Composites: Mechanics, Computations, Applications</i> , 2012, 3, 35-49.	0.3	3
18	On possibility of clustering of microparticles of orbital debris in circular and elliptical orbits. <i>Solar System Research</i> , 2012, 46, 144-148.	0.7	0

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19	Study of nanostructures on a solar cell surface exposed on the Mir orbital station. Journal of Surface Investigation, 2011, 5, 905-910.	0.5	0
20	On hypervelocity penetration of the mesh-bumper strings into a projectile. International Journal of Impact Engineering, 2009, 36, 468-475.	5.0	5
21	On hydrodynamic instability of the ozone layer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 681-684.	2.1	3
22	Propagation of Quasiacoustic Pulses in an Elastoplastic Medium. Journal of Applied Mechanics and Technical Physics, 2003, 44, 122-128.	0.5	0
23	Asymptotic Modeling of Nonlinear Wave Processes in Shock-Loaded Elastoplastic Materials. Journal of Applied Mechanics and Technical Physics, 2003, 44, 249-254.	0.5	1
24	Modeling of strain localization in the dynamics of a softening rod. Technical Physics Letters, 1999, 25, 822-824.	0.7	0
25	Interaction of nonlinear waves in materials with elastoplastic behavior. Journal of Applied Mechanics and Technical Physics, 1994, 35, 246-256.	0.5	1
26	Nonlinear waves in shock-loaded condensed matter. Journal Physics D: Applied Physics, 1994, 27, 1678-1686.	2.8	3
27	A cylindrical double explosion. Journal of Applied Mechanics and Technical Physics, 1990, 30, 886-888.	0.5	0
28	Nonlinear waves in a Maxwellian medium. Journal of Applied Mechanics and Technical Physics, 1987, 27, 779-784.	0.5	0
29	Shock wave propagation in a double explosion in a gas with counterpressure. Journal of Applied Mechanics and Technical Physics, 1984, 24, 698-702.	0.5	2
30	Double explosion in a perfect gas. Journal of Applied Mechanics and Technical Physics, 1982, 22, 545-551.	0.5	5
31	Propagation of a shock pulse train in dense media. Journal of Applied Mechanics and Technical Physics, 1982, 23, 450-456.	0.5	0