Sergey Razorenov

List of Publications by Year in descending order

163 papers	2,563 citations	279701 23 h-index	265120 42 g-index
164 all docs	164 docs citations	164 times ranked	960 citing authors

#	Article	IF	Citations
1	Dynamic Strength of VT6 Titanium Alloy Manufactured by Laser Metal Deposition. Physical Mesomechanics, 2022, 25, 26-32.	1.0	11
2	Impact Strength of 16Cr-20Ni-2Mo-Ti Austenite Steel under Shockwave Load in Sub-Microsecond Range. Russian Physics Journal, 2022, 64, 1930-1934.	0.2	0
3	Effect of small pre-strain on the resistance of molybdenum [100] single crystal to high strain rate deformation and fracture. Journal of Applied Physics, 2022, 131, .	1.1	3
4	Damage-failure transition under consecutive dynamic and very high cycle fatigue loads. Journal of Applied Physics, 2022, 131, .	1.1	2
5	Strength Properties of the Heat-Resistant Inconel 718 Superalloy Additively Manufactured by Direct Laser Deposition Method under Shock Compression. Metals, 2022, 12, 967.	1.0	8
6	Effect of Grain Size on the Properties of Aluminum Matrix Composites with Graphene. Metals, 2022, 12, 1054.	1.0	9
7	Impact response of pre-strained pure vanadium. Journal of Applied Physics, 2022, 131, .	1.1	6
8	Effect of Heat Treatment and Test Temperature on the Strength Properties of Cast Heat-Resistant Nickel Base Inconel 718 Superalloy under Shock-Wave Loading. Metals, 2022, 12, 1098.	1.0	2
9	High-Rate Deformation of Titanium in Shock Waves at Normal and Elevated Temperatures. Journal of Experimental and Theoretical Physics, 2021, 132, 438-445.	0.2	4
10	High-Strain Deformation and Spallation Strength of 09CrNi2MoCu Steel Obtained by Direct Laser Deposition. Metals, 2021, 11, 1305.	1.0	9
11	The Strength of Inconel 625, Manufactured by the Method of Direct Laser Deposition under Sub-Microsecond Load Duration. Metals, 2021, 11, 1796.	1.0	6
12	Re-Reflections of an Elastic Precursor of a Shock Wave in Solids. Doklady Physics, 2021, 66, 35-38.	0.2	2
13	Grain Size Effects on Static and Dynamic Strength of Ultrafine-Grained Al-Mg-Mn Alloy Produced by High-Pressure Torsion. Journal of Materials Engineering and Performance, 2020, 29, 464-469.	1.2	0
14	Effects of temperature and strain on the resistance to high-rate deformation of copper in shock waves. Journal of Applied Physics, 2020, 128, .	1.1	20
15	Resistance to high-rate deformation and fracture of lead at normal and elevated temperatures in the sub-microsecond time range. Journal of Applied Physics, 2020, 128, 025902.	1.1	4
16	Spalling in Sapphire in Different Crystallographic Directions under Shock Compression. Technical Physics, 2020, 65, 921-924.	0.2	1
17	High-Rate Deformation and Fracture of 15Kh2NMFA Steel under Impact Loading at Normal and Elevated Temperatures. Technical Physics, 2020, 65, 420-427.	0.2	7
18	Dynamic Strength of Submicrocrystalline and Nanocrystalline Copper Obtained by High-Strain-Rate Deformation. Physics of Metals and Metallography, 2020, 121, 391-397.	0.3	6

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19	Effects of temperature on the flow stress of aluminum in shock waves and rarefaction waves. Journal of Applied Physics, 2020, 127, .	1.1	22
20	The Effect of Graphene Additives on the Structure and Properties of Aluminum. Physics of Metals and Metallography, 2020, 121, 1193-1202.	0.3	7
21	Effect of Thermal Treatment on the Hugoniot Elastic Limit and Spall Strength of the Preeutectic Pbâ€“2.77% Sb Alloy. Physics of Metals and Metallography, 2020, 121, 1119-1125.	0.3	0
22	Stepwise shock compression of aluminum at room and elevated temperatures. Journal of Applied Physics, 2019, 126, .	1.1	13
23	Elastic Precursor Decay and Spallation in Nonporous Tungsten Carbide Ceramics. Technical Physics, 2019, 64, 356-360.	0.2	3
24	Influence of High-Temperature Annealing on the Resistance to High Strain Rate and Fracture of Tantalum at Temperatures of 20 and 500Â°C. Technical Physics, 2019, 64, 674-679.	0.2	4
25	Joint Effect of Small Additives of Carbon Nanoparticles of Different Morphologies on the Mechanical Characteristics of Cross-Linked Polyurethanes under Static and Dynamic Loads. Technical Physics, 2019, 64, 865-872.	0.2	0
26	Quasi-Static and Plate Impact Loading of Cast Magnesium Alloy ML5 Reinforced with Aluminum Nitride Nanoparticles. Metals, 2019, 9, 715.	1.0	11
27	Dynamic Strength of a Eutectic Bismuthâ€“Lead Alloy in the Solid and Liquid States. Journal of Experimental and Theoretical Physics, 2019, 128, 268-273.	0.2	6
28	Interconnection of Structural Characteristics with Dynamic Properties of A5083 Aluminum Alloy. Inorganic Materials: Applied Research, 2019, 10, 168-173.	0.1	1
29	Synergetic effect of fullerene and graphene oxide nanoparticles on mechanical characteristics of cross-linked polyurethanes under static and dynamic loading. Journal of Composite Materials, 2019, 53, 3797-3805.	1.2	11
30	Mechanical Properties of the Alâ€“Znâ€“Mgâ€“Feâ€“Ni Alloy of Eutectic Type at Different Strain Rates. Physics of Metals and Metallography, 2019, 120, 1221-1227.	0.3	14
31	Compressive and tensile strength of steel fibrous reinforced concrete under explosive loading. International Journal of Fracture, 2019, 215, 129-138.	1.1	6
32	The Effect of Small Additions of Carbon Nanotubes on the Mechanical Properties of Epoxy Polymers under Static and Dynamic Loads. Technical Physics, 2018, 63, 32-40.	0.2	5
33	New data on the kinetics and governing factors of the spall fracture of metals. Journal of Physics: Conference Series, 2018, 946, 012039.	0.3	6
34	Method of measurement of the dynamic strength of concrete under explosive loading. International Journal of Fracture, 2018, 209, 109-115.	1.1	10
35	The Influence of the Structure of a Magnesiumâ€“Aluminum Nitride Metal-Matrix Composite on the Resistance to Deformation under Quasi-Static and Dynamic Loading. Technical Physics Letters, 2018, 44, 912-915.	0.2	4
36	Evolution of Shock Waves in Hot-Pressed Ceramics of Boron Carbide and Silicon Carbide. Technical Physics, 2018, 63, 1755-1761.	0.2	3

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37	Deformation mechanisms and microplasticity of austenitic TRIP/TWIP steel under flyer plate impact. EPJ Web of Conferences, 2018, 183, 03007.	0.1	7
38	The Formation of Elastoplastic Fronts and Spall Fracture in AMg6 Alloy under Shock-Wave Loading. Technical Physics Letters, 2018, 44, 823-826.	0.2	11
39	Strength Properties of Aluminum-Oxide Ceramics Prepared by the Additive Manufacturing Method under Shock-Wave Loading. Technical Physics Letters, 2018, 44, 898-901.	0.2	5
40	Evaluation of Viscosity of Biâ€“Pb Melt (56.5%â€“43.5%) by the Width of a Weak Shock Wave. High Temperature, 2018, 56, 685-688.	0.1	3
41	Effect of Small Preliminary Deformation on the Evolution of Elastoplastic Waves of Shock Compression in Annealed VT1-0 Titanium. Journal of Experimental and Theoretical Physics, 2018, 127, 337-341.	0.2	10
42	Quasi-static and shock-wave loading of ultrafine-grained aluminum: effect of microstructural characteristics. Journal of Materials Science, 2018, 53, 14681-14693.	1.7	8
43	The Influence of the Cobalt Content on the Strength Properties of Tungsten Carbide Ceramics under Dynamic Loads. Technical Physics, 2018, 63, 357-362.	0.2	13
44	Evolutions of elastic-plastic shock compression waves in different materials. AIP Conference Proceedings, 2017, , .	0.3	2
45	Spall fracture and twinning in laser shock-loaded single-crystal magnesium. Journal of Applied Physics, 2017, 121, .	1.1	34
46	Unusual plasticity and strength of metals at ultra-short load durations. Physics-Uspekhi, 2017, 60, 490-508.	0.8	67
47	Strength properties and structure of a submicrocrystalline Alâ€“Mgâ€“Mn alloy under shock compression. Physics of Metals and Metallography, 2017, 118, 601-607.	0.3	6
48	Anomaly in the dynamic strength of austenitic stainless steel 12Cr19Ni10Ti under shock wave loading. Mechanics of Solids, 2017, 52, 407-416.	0.3	6
49	Peculiarities of fracture in submicrocrystalline Alâ€“Mgâ€“Mn alloy under impact compression. Technical Physics Letters, 2017, 43, 470-472.	0.2	1
50	Evaluation of glycerol viscosity through the width of a weak shock wave. High Temperature, 2017, 55, 365-369.	0.1	13
51	The influence of the structure of ultrafine-grained aluminium alloys on their mechanical properties under dynamic compression and shock-wave loading. Journal of Physics: Conference Series, 2017, 894, 012016.	0.3	4
52	Compression, Rarefaction, and Failure Waves in Silicate Glasses. , 2017, , 933-937.		0
53	Change of the kinetics of shock-wave deformation and fracture of VT1-0 titanium as a result of annealing. Physics of the Solid State, 2016, 58, 1191-1198.	0.2	9
54	Peculiarities of evolutions of elastic-plastic shock compression waves in different materials. Journal of Physics: Conference Series, 2016, 774, 012048.	0.3	2

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55	Rate and temperature dependences of the yield stress of commercial titanium under conditions of shock-wave loading. Journal of Applied Physics, 2016, 119, .	1.1	27
56	Deformation behavior of submicrocrystalline aluminum alloys during dynamic loading. Russian Metallurgy (Metally), 2016, 2016, 342-348.	0.1	3
57	Dissipative processes under the shock compression of glass. Technical Physics, 2016, 61, 388-394.	0.2	1
58	Temperatureâ€“rate dependences of the flow stress and the resistance to fracture of a VT6 titanium alloy under shock loading at a temperature of 20 and 600Â°C. Technical Physics, 2016, 61, 1229-1236.	0.2	3
59	Anomalous compressibility of quartz glass within the tensile stress domain and at elevated temperatures. High Temperature, 2016, 54, 662-666.	0.1	4
60	Influence of impurities on the resistance to spall fracture of aluminum near the melting temperature. International Journal of Fracture, 2016, 197, 185-188.	1.1	15
61	Special Features of the Mechanical Characteristics of Alâ€“Al2O3 Composites Produced By Explosive Compaction of Powders Under Shock-Wave Deformation. Russian Physics Journal, 2016, 58, 1358-1361.	0.2	5
62	Influence of the reversible Î±â€“Îµ phase transition and preliminary shock compression on the spall strength of armco iron. Technical Physics, 2016, 61, 84-90.	0.2	6
63	Microstructure of CrMnNi Cast Steel After Explosive-Driven Flyer-Plate Impact at Room Temperature and Below. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 75-83.	1.1	5
64	Dynamic strength of tin and lead melts. JETP Letters, 2015, 102, 548-551.	0.4	45
65	Hardening of metals and alloys during shock compression. Technical Physics, 2015, 60, 1021-1026.	0.2	8
66	Stress relaxation in vanadium under shock and shockless dynamic compression. Journal of Applied Physics, 2015, 118, 045901.	1.1	15
67	Resistance of submicrocrystalline aluminum alloys to high-rate deformation and fracture after dynamic channel angular pressing. Physics of Metals and Metallography, 2015, 116, 519-526.	0.3	23
68	Effect of structural factors on mechanical properties of the magnesium alloy Ma2-1 under quasi-static and high strain rate deformation conditions. Physics of the Solid State, 2015, 57, 337-343.	0.2	20
69	Influence of the temperature-induced martensitic-austenitic transformation on the strength properties of high-alloy steels under dynamic loading. Combustion, Explosion and Shock Waves, 2015, 51, 124-129.	0.3	6
70	Dynamic strength of reaction-sintered boron carbide ceramic. Technical Physics, 2015, 60, 863-868.	0.2	8
71	Peculiarities of the elastic-plastic transition and failure in polycrystalline vanadium under shock-wave loading conditions. Technical Physics Letters, 2015, 41, 579-582.	0.2	14
72	Dynamic strength of reaction-sintered silicon carbide ceramics. Mechanics of Solids, 2014, 49, 616-622.	0.3	7

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73	Shock response of magnesium single crystals at normal and elevated temperatures. Journal of Applied Physics, 2014, 116, .	1.1	85
74	Response of magnesium single crystals to shock-wave loading at room and elevated temperatures. Journal of Physics: Conference Series, 2014, 500, 112027.	0.3	7
75	On the residual yield stress of shocked metals. Journal of Physics: Conference Series, 2014, 500, 112015.	0.3	1
76	Deformation resistance and fracture of iron over a wide strain rate range. Physics of the Solid State, 2014, 56, 1569-1573.	0.2	34
77	Effect of a fullerene C60 addition on the strength properties of nanocrystalline copper and aluminum under shock-wave loading. Technical Physics, 2014, 59, 378-383.	0.2	4
78	The influence of the admixture of the fullerene C60 on the strength properties of aluminum and copper under shock-wave loading. Journal of Physics: Conference Series, 2014, 500, 112008.	0.3	4
79	The spall strength and Hugoniot elastic limit of mono-crystalline and polycrystalline copper near melting temperature. Journal of Physics: Conference Series, 2014, 500, 112053.	0.3	7
80	Evolution of shock waves in SiC ceramic. Technical Physics, 2013, 58, 973-977.	0.2	14
81	Elastic-plastic deformation and fracture of shock-compressed single-crystal and polycrystalline copper near melting. Technical Physics, 2013, 58, 1437-1442.	0.2	7
82	The resistance to deformation and facture of magnesium ma2-1 under shock-wave loading at 293 k and 823 k of the temperature. AIP Conference Proceedings, 2012, , .	0.3	6
83	The spall strength and Hugoniot elastic limit of tantalum with various grain size. AIP Conference Proceedings, 2012, , .	0.3	15
84	Spall strength of sapphire. , 2012, , .		0
85	Resistance to dynamic deformation and fracture of tantalum with different grain and defect structures. Physics of the Solid State, 2012, 54, 790-797.	0.2	47
86	High strain rate deformation and fracture of the magnesium alloy Ma2-1 under shock wave loading. Physics of the Solid State, 2012, 54, 1079-1085.	0.2	32
87	Spall fracture in sapphire. Technical Physics Letters, 2011, 37, 294-297.	0.2	6
88	Mechanical properties of grade M1 copper before and after shock compression in a wide range of loading durations. Physics of Metals and Metallography, 2011, 111, 197-206.	0.3	11
89	Behavior of the nickel-titanium alloys with the shape memory effect under conditions of shock wave loading. Physics of the Solid State, 2011, 53, 824-829.	0.2	21
90	Resistance to deformation and fracture of aluminum AD1 under shock-wave loading at temperatures of 20 and 600Â°C. Physics of the Solid State, 2010, 52, 2369-2375.	0.2	27

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91	Strength and failure of LK7 borosilicate glass under shock compression. Technical Physics, 2010, 55, 839-843.	0.2	11
92	Submicrosecond strength of ultrafine-grained materials. Mechanics of Solids, 2010, 45, 624-632.	0.3	24
93	Submicrosecond polymorphic transformations accompanying shock compression of graphite. High Temperature, 2010, 48, 806-814.	0.1	20
94	Entropy-dominated dissipation in sapphire shock-compressed up to 400 GPa (4 Mbar). Journal of Physics: Conference Series, 2010, 215, 012148.	0.3	11
95	Response of seven crystallographic orientations of sapphire crystals to shock stresses of 16â€“86 GPa. Journal of Applied Physics, 2009, 106, 043524.	1.1	53
96	SHOCK-WAVE RESPONSE OF Ni-Ti SHAPE MEMORY ALLOYS IN THE TRANSFORMATION TEMPERATURE RANGE. , 2009, , .		5
97	SUB-MICROSECOND GRAPHITE-DIAMOND TRANSFORMATION AT NORMAL AND ELEVATED TEMPERATURES. , 2009, , .		0
98	INFLUENCE OF STRUCTURE AND ORIENTATION OF GRAPHITE ON ITS POLYMORPHIC TRANSFORMATION UNDER SHOCK COMPRESSION. , 2009, , .		0
99	EFFECT OF CRYSTALLINE ANISOTROPY ON SHOCK PROPAGATION IN SAPPHIRE. , 2009, , .		4
100	Submicrosecond strength of the D16T aluminum alloy at room and elevated temperatures. Physics of the Solid State, 2008, 50, 839-843.	0.2	20
101	Effect of structural factors on submicrosecond strength of D16T aluminum alloy. Technical Physics, 2008, 53, 1441-1446.	0.2	19
102	Orientation effect on the parameters of the polymorphic transformation of graphite under shock compression. JETP Letters, 2008, 88, 220-223.	0.4	2
103	To the mechanisms of failure wave. Journal of Applied Physics, 2008, 104, 093509.	1.1	4
104	A STUDY OF PRE-STRESS EFFECT ON THE FAILURE WAVES IN GLASSES. , 2008, , .		0
105	PHENOMENOLOGICAL DESCRIPTION OF THE FAILURE WAVES IN GLASSES. , 2008, , .		3
106	INFLUENCE OF NANO-SIZE INCLUSIONS ON SPALL FRACTURE OF COPPER SINGLE CRYSTALS. AIP Conference Proceedings, 2008, , .	0.3	7
107	Title is missing!. Physics-Uspekhi, 2007, 50, 771.	0.8	151
108	Effect of the structural state of graphite on the parameters and kinetics of transformation into diamond under shock compression. Physics of the Solid State, 2007, 49, 2185-2190.	0.2	4

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109	Longitudinal and bulk compressibility of soda-lime glass at pressures to 10 GPa. Technical Physics, 2007, 52, 328-332.	0.2	4
110	Experimental investigations and modelling of strain rate and temperature effects on the flow behaviour of 1045 steel. European Physical Journal Special Topics, 2006, 134, 75-80.	0.2	6
111	Influence of Temperature upon the Î±â†'Ï‰ Transition in Titanium. AIP Conference Proceedings, 2006, , .	0.3	4
112	Large Tensions and Strength of Iron in Different Structure States. AIP Conference Proceedings, 2006, , .	0.3	12
113	Evolution of Shock Waves in Silicon Carbide Rods. AIP Conference Proceedings, 2006, , .	0.3	8
114	A Study of the Failure Wave Phenomenon in Glasses at Peak Stresses Exceeding the HEL. AIP Conference Proceedings, 2006, , .	0.3	0
115	Compressive Fracture of Brittle Materials under Divergent Impact Loading. AIP Conference Proceedings, 2006, , .	0.3	3
116	Effect of Preliminary Strain Hardening on the Flow Stress of Titanium and a Titanium Alloy during Shock Compression. Physics of the Solid State, 2005, 47, 663.	0.2	15
117	On the Yield Strength of Single-Crystal Zinc under Uniaxial Compression in a Plane Shock Wave. Technical Physics, 2005, 50, 621.	0.2	8
118	A study of the failure wave phenomenon in glasses compressed at different levels. Journal of Applied Physics, 2005, 98, 113523.	1.1	28
119	Sub-Microsecond Yield and Tensile Strengths of Metals and Alloys at Elevated Temperatures. AIP Conference Proceedings, 2004, , .	0.3	3
120	Iron at high negative pressures. JETP Letters, 2004, 80, 348-350.	0.4	18
121	The Compressibility of Single Crystals of Zinc in the Region of Positive and Negative Pressures. High Temperature, 2004, 42, 259-266.	0.1	4
122	Shock-wave compression and tension of solids at elevated temperatures: superheated crystal states, pre-melting, and anomalous growth of the yield strength. Journal of Physics Condensed Matter, 2004, 16, S1007-S1016.	0.7	43
123	Measurements of Sound Speed in Zinc in the Negative Pressure Region. AIP Conference Proceedings, 2004, , .	0.3	2
124	A Study of the Failure Wave Phenomenon in Brittle Materials. AIP Conference Proceedings, 2004, , .	0.3	7
125	Shock-Wave Phenomena and the Properties of Condensed Matter. , 2004, , .		231
126	Elastic-Plastic Response of Solids Under Shock-Wave Loading. , 2004, , 29-82.		2

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127	Yield and Strength Properties of Metals and Alloys at Elevated Temperatures. , 2004, , 83-109.		2
128	Polymorphic Transformations and Phase Transitions in Shock-Compressed Solids. , 2004, , 189-216.		3
129	Behavior of Brittle Materials under Shock-Wave Loading. , 2004, , 111-178.		2
130	Two Examples of Spatially Resolved Shock-Wave Tests. , 2004, , 179-187.		0
131	Thermal â€œsofteningâ€•and â€œhardeningâ€•of titanium and its alloy at high strain rates of shock-wave deforming. Physics of the Solid State, 2003, 45, 656-661.	0.2	49
132	Impact response of titanium alloys at elevated temperatures. European Physical Journal Special Topics, 2003, 110, 839-844.	0.2	2
133	Anomalous Behavior of Aluminum Near the Melting Temperature: Transition in the Rate Controlling Mechanism of Yielding and Realization of Superheated Solid States under Tension. AIP Conference Proceedings, 2002, , .	0.3	1
134	Hugoniot Elastic Limit and Spall Strength of Aluminum and Copper Single Crystals over a Wide Range of Strain Rates and Temperatures. AIP Conference Proceedings, 2002, , .	0.3	17
135	Transformation of shock compression pulses in glass due to the failure wave phenomena. Journal of Applied Physics, 2002, 92, 5045-5052.	1.1	53
136	Yield and Strength Properties of the Ti-6-22-22S Alloy over a Wide Strain Rate and Temperature Range. AIP Conference Proceedings, 2002, , .	0.3	3
137	Kinematics of failure waves in glasses. Technical Physics Letters, 2002, 28, 261-262.	0.2	1
138	Shock Compression and Spalling of Cobalt at Normal and Elevated Temperatures. Combustion, Explosion and Shock Waves, 2002, 38, 598-601.	0.3	6
139	Dynamic yield and tensile strength of aluminum single crystals at temperatures up to the melting point. Journal of Applied Physics, 2001, 90, 136-143.	1.1	193
140	Tensile strength of five metals and alloys in the nanosecond load duration range at normal and elevated temperatures. International Journal of Impact Engineering, 2001, 25, 631-639.	2.4	37
141	Anomalies in the temperature dependences of the bulk and shear strength of aluminum single crystals in the submicrosecond range. Physics of the Solid State, 2001, 43, 871-877.	0.2	20
142	Strength of plasma sprayed turbine-blade coatings using an advanced spallation technique. Journal of Applied Physics, 2001, 89, 6523-6529.	1.1	7
143	Dynamic strength of aluminum single crystals at melting. Applied Physics Letters, 2000, 76, 3230-3232.	1.5	19
144	Resistance of zinc crystals to shock deformation and fracture at elevated temperatures. Physics of the Solid State, 1998, 40, 1676-1680.	0.2	37

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145	Elastic moduli and dynamic yield strength of metals near the melting temperature. , 1998, , .		3
146	Influence of the load conditions on the failure wave in glasses. High Pressure Research, 1998, 16, 27-44.	0.4	21
147	Elastic-plastic deformation and spall fracture of metals at high temperatures. , 1998, , .		5
148	Investigations of the Dynamic Strength Variations in Metals. European Physical Journal Special Topics, 1997, 07, C3-927-C3-932.	0.2	3
149	Spall fracture properties of aluminum and magnesium at high temperatures. Journal of Applied Physics, 1996, 79, 8310-8317.	1.1	172
150	Diagnostics of highâ€power ion beam interaction with composite targets. Journal of Applied Physics, 1996, 79, 2180-2185.	1.1	1
151	The spall strength of metals at elevated temperatures. AIP Conference Proceedings, 1996, , .	0.3	15
152	Hydrodynamic proton beam-target interaction experiments using an improved line-imaging velocimeter. AIP Conference Proceedings, 1996, , .	0.3	11
153	Hypervelocity launching and impact experiments on the Karlsruhe light ion facility KALIF. International Journal of Impact Engineering, 1995, 17, 37-46.	2.4	9
154	Response of high-purity titanium to high-pressure impulsive loading. High Pressure Research, 1995, 13, 367-376.	0.4	29
155	Beam-Matter Experiments with High-Power Proton Beams on KALIF. , 1995, , 261-266.		0
156	Effect of an inert high-modulus ceramic wall on detonation propagation in solid explosive charges. Combustion, Explosion and Shock Waves, 1994, 30, 674-681.	0.3	3
157	Spallations near the ultimate strength of solids. AIP Conference Proceedings, 1994, , .	0.3	23
158	Light-ion beam-target interaction experiments on KALIF. Il Nuovo Cimento A, 1993, 106, 1771-1780.	0.2	1
159	Spall strength of molybdenum single crystals. Journal of Applied Physics, 1993, 74, 7162-7165.	1.1	86
160	Deformation and failure of structural steels in pulsed loading. Strength of Materials, 1992, 24, 270-275.	0.2	3
161	Failure of glass during intensive pulsed action. Glass and Ceramics (English Translation of Steklo I) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	0
162	Viscoelasticity of aluminum in rarefaction waves. Journal of Applied Mechanics and Technical Physics, 1989, 29, 824-826.	0.1	2

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163	Kinetics of spallation rupture in the aluminum alloy AMg6M. Journal of Applied Mechanics and Technical Physics, 1985, 25, 707-711.	0.1	14