K V Khishchenko

List of Publications by Year
in descending order

173	2,948	182225	242451
papers	citations	30 h-index	47 g-index

174	174	174	1438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Melting of Titanium by a Shock Wave Generated by an Intense Femtosecond Laser Pulse. JETP Letters, 2022, 115, 523-530.	0.4	5
2	High- and low-entropy layers in solids behind shock and ramp compression waves. International Journal of Mechanical Sciences, 2021, 189, 105971.	3.6	24
3	Modeling of shock-wave processes in aluminum under the action of a short laser pulse. Mathematica Montisnigri, 2021, 50, 108-118.	0.1	1
4	Equation of state for vanadium at high pressures. Journal of Physics: Conference Series, 2021, 1787, 012001.	0.3	4
5	Simulations of the Evolution of the Heterophase Electrode of a Vacuum Transmission Line During the Passage of a High Current Pulse. Plasma Physics Reports, 2021, 47, 355-361.	0.3	8
6	Plasmaâ€“liquid interaction during a pulsed vacuum breakdown. Journal of Applied Physics, 2021, 129, .	1.1	15
7	Reflection of Detonation Wave from the Symmetry Plane within a Cylindrical Target for Controlled Thermonuclear Fusion. Computational Mathematics and Mathematical Physics, 2021, 61, 1682-1699.	0.2	2
8	Equation of state for rhodium at high pressures. Journal of Physics: Conference Series, 2021, 2057, 012118.	0.3	0
9	Equation of state for rhenium at high pressures. Journal of Physics: Conference Series, 2020, 1556, 012041.	0.3	3
10	Brightness temperature of water compressed by a double shock to pressures of 60â€“79ÂGPa. Shock Waves, 2020, 30, 505-511.	1.0	5
11	XXXIV International Conference on Interaction of Intense Energy Fluxes with Matter. Journal of Physics: Conference Series, 2020, 1556, 011001.	0.3	0
12	Equation of state for niobium at high pressures. Mathematica Montisnigri, 2020, 47, 119-123.	0.1	8
13	Analytic approximation of the Debye function. Mathematica Montisnigri, 2020, 49, 96-110.	0.1	0
14	On Modelling the Transport Line when Covering the Current-Carrying Surface with Various Materials. , 2020, , .		0
15	The role of heat loss at the fuelâ€“shell interface during the fast ignition of cylindrical DT targets. Journal of Physics: Conference Series, 2019, 1147, 012089.	0.3	1
16	Extraction of the Shock Adiabat of Metals from the Decay Characteristics of a Shock Wave in a Laser Experiment. JETP Letters, 2019, 109, 516-520.	0.4	4
17	Application of quantum-statistical methods to studies of thermodynamic and radiative processes in hot dense plasmas. Matter and Radiation at Extremes, 2019, 4, .	1.5	7
18	Fast Ignition by a Proton Beam and Burning of a DT Cylindrical Shell Target. Plasma Physics Reports, 2019, 45, 830-849.	0.3	6

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19	Study of the Impact of a Duralumin Flyer with a Tungsten Target at the Angara-5-1 Facility. Plasma Physics Reports, 2019, 45, 421-426.	0.3	4
20	Simulation of the Explosion of a Surface Microprotrusion During a Radio Frequency Breakdown. IEEE Transactions on Plasma Science, 2019, 47, 3406-3411.	0.6	17
21	Equation of State and Phase Transformations of Zirconium in Shock Waves. , 2019, , 987-992.		1
22	Acceleration of metallic flyers at the Angara-5-1 installation. Journal of Physics: Conference Series, 2019, 1147, 012086.	0.3	2
23	Equation of state for indium in shock waves. Journal of Physics: Conference Series, 2019, 1385, 012002.	0.3	1
24	XXXIII International Conference on Equations of State for Matter. Journal of Physics: Conference Series, 2019, 1147, 011001.	0.3	0
25	Equations of state for rubidium and cesium at high pressures in shock waves. Journal of Physics: Conference Series, 2019, 1147, 012001.	0.3	1
26	Equation of state for potassium in shock waves at high pressures. Journal of Physics: Conference Series, 2018, 946, 012082.	0.3	4
27	On a Heat Exchange Problem under Sharply Changing External Conditions. Computational Mathematics and Mathematical Physics, 2018, 58, 286-293.	0.2	1
28	Acceleration of Metallic Flyers at Angara-5-1 Facility. Physics of Atomic Nuclei, 2018, 81, 1586-1589.	0.1	2
29	Simulation of the Explosion of a Surface Microprotrusion during a Radio Frequency Breakdown. , 2018, , .		0
30	Thermal Radiation from Water behind the Reflected Shock Wave. Combustion, Explosion and Shock Waves, 2018, 54, 712-719.	0.3	3
31	Theoretical investigation of the shock compressibility of copper in the average-atom approximation. Physics of Plasmas, 2018, 25, .	0.7	21
32	Comparison of electrical explosions of spherical wire arrays in water and glycerol on different timescales. Physics of Plasmas, 2018, 25, .	0.7	10
33	Evolution of shock compression pulses in polymethylmethacrylate and aluminum. Journal of Applied Physics, 2018, 123, .	1.1	26
34	Guide to preparing manuscripts for publication in the journal "Vestnik OIVT RAN". Vestnik ObÊºedinennogo Instituta Vysokih Temperatur, 2018, 1, 146-156.	0.0	0
35	Equation of state for calcium hydride at shock compression. Vestnik ObÊºedinennogo Instituta Vysokih Temperatur, 2018, 1, 93-95.	0.0	0
36	Recent Results of Electrical Explosion of Wires and Wires Arrays in Water and Glycerol. , 2018, , .		0

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37	Numerous experiment on impact compression of a mixture of graphite and water. Combustion, Explosion and Shock Waves, 2017, 53, 471-478.	0.3	1
38	Spherical wire arrays electrical explosion in water and glycerol. Physics of Plasmas, 2017, 24, .	0.7	18
39	Numerical simulation of electrical explosions in megagauss magnetic fields. Journal of Physics: Conference Series, 2017, 830, 012029.	0.3	1
40	Shock compressibility of iron calculated in the framework of quantum-statistical models with different ionic parts. Journal of Physics: Conference Series, 2016, 774, 012005.	0.3	8
41	Equation of state for titanium at high energy densities. Journal of Physics: Conference Series, 2016, 774, 012001.	0.3	10
42	Metal film on a substrate: Dynamics under the action of ultrashort laser pulse. Journal of Physics: Conference Series, 2016, 774, 012100.	0.3	6
43	Shock loading of graphite between water layers: Numerical experiments. Journal of Physics: Conference Series, 2016, 774, 012013.	0.3	2
44	XXXI International Conference on Equations of State for Matter. Journal of Physics: Conference Series, 2016, 774, 011001.	0.3	0
45	Strength of iron melt at high extension rate during femtosecond laser ablation. Journal of Physics: Conference Series, 2016, 774, 012098.	0.3	8
46	Experimental verification of the ablation pressure dependence upon the laser intensity at pulsed irradiation of metals. Journal of Physics: Conference Series, 2016, 774, 012110.	0.3	2
47	Reflectance of thin silver film on the glass substrate at the interaction with femtosecond laser pulses. Journal of Physics: Conference Series, 2016, 774, 012099.	0.3	0
48	Study of composition of the ultrafine material produced from graphiteâ€“catalyst mixture under extreme energy action. Journal of Physics: Conference Series, 2016, 774, 012012.	0.3	1
49	Two-dimensional modeling of high-velocity impingement of polymethylmethacrylate plates. Journal of Physics: Conference Series, 2016, 774, 012066.	0.3	1
50	Study of extreme states of matter at high energy densities and high strain rates with powerful lasers. Laser Physics, 2016, 26, 094001.	0.6	67
51	Fast ignition of precompressed DT fuel placed in an absolutely rigid heat-insulated cylinder. Journal of Physics: Conference Series, 2016, 774, 012113.	0.3	1
52	Influence of surface finish on the plasma formation at the skin explosion. Journal of Physics: Conference Series, 2016, 774, 012194.	0.3	4
53	Track method for the calculation of plasma heating by charged thermonuclear reaction products for axisymmetric flows. Computational Mathematics and Mathematical Physics, 2016, 56, 437-449.	0.2	7
54	The formation of a crater on the surface of the cathode in the explosion of micro tip. Journal of Physics: Conference Series, 2016, 774, 012191.	0.3	4

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55	Heat conductivity of copper in two-temperature state. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	22
56	Simulation and experimental investigation of the spall fracture of 304L stainless steel irradiated by a nanosecond relativistic high-current electron beam. International Journal of Fracture, 2016, 199, 59-70.	1.1	36
57	Interaction of annular-focused laser beams with solid targets. Laser and Particle Beams, 2015, 33, 541-550.	0.4	36
58	Thermal conductivity of condensed gold in states with the strongly excited electron subsystem. Journal of Physics: Conference Series, 2015, 653, 012087.	0.3	24
59	Investigation of the spall strength of graphite using nano- and picosecond laser pulses. Journal of Physics: Conference Series, 2015, 653, 012002.	0.3	6
60	Nonlinear diffusion waves in high magnetic fields. Journal of Physics: Conference Series, 2015, 653, 012143.	0.3	0
61	The behavior of tantalum under ultrashort loads induced by femtosecond laser. Journal of Physics: Conference Series, 2015, 653, 012001.	0.3	29
62	Study of the strata formation during the explosion of foils in vacuum. Journal of Physics: Conference Series, 2015, 653, 012146.	0.3	3
63	Equation of state for tungsten over a wide range of densities and internal energies. Journal of Physics: Conference Series, 2015, 653, 012081.	0.3	26
64	Numerical investigations of shock wave propagation in polymethylmethacrylate. Journal of Physics: Conference Series, 2015, 653, 012045.	0.3	4
65	Multiphase equations of state for metals under pulsed power influences. , 2015, , .		0
66	Influence of plasma self-radiation model on thermonuclear burning simulation results. Journal of Physics: Conference Series, 2015, 653, 012020.	0.3	0
67	Comparison of Hugoniots calculated for aluminum in the framework of three quantum-statistical models. Journal of Physics: Conference Series, 2015, 653, 012079.	0.3	21
68	On some features of plane waves of thermonuclear burn. Journal of Applied Mechanics and Technical Physics, 2015, 56, 86-95.	0.1	11
69	Strength of synthetic diamonds under tensile stresses produced by picosecond laser action. Journal of Applied Mechanics and Technical Physics, 2015, 56, 143-149.	0.1	6
70	Collision of plane thermonuclear detonation waves in a preliminarily compressed DT mixture. Plasma Physics Reports, 2015, 41, 220-230.	0.3	8
71	Negative pressure and spallation in graphite targets under nano- and picosecond laser irradiation. Quantum Electronics, 2015, 45, 421-425.	0.3	5
72	Plane thermonuclear detonation waves initiated by proton beams and quasi-one-dimensional model of fast ignition. Laser and Particle Beams, 2015, 33, 65-80.	0.4	20

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73	Two-temperature hydrodynamics of laser-generated ultrashort shock waves in elasto-plastic solids. Journal of Physics: Conference Series, 2014, 500, 032021.	0.3	12
74	Experimental investigation into polycrystalline and single-crystal diamonds under negative pressures formed by picosecond laser pulses. Doklady Physics, 2014, 59, 309-312.	0.2	3
75	Quantum molecular dynamics simulation of shock-wave experiments in aluminum. Journal of Applied Physics, 2014, 115, .	1.1	68
76	Generation of negative pressures and spallation phenomena in diamond exposed to a picosecond laser pulse. Quantum Electronics, 2014, 44, 530-534.	0.3	14
77	Two-temperature hydrodynamic expansion and coupling of strong elastic shock with supersonic melting front produced by ultrashort laser pulse. Journal of Physics: Conference Series, 2014, 500, 192023.	0.3	10
78	Ultrafast lasers and solids in highly excited states: results of hydrodynamics and molecular dynamics simulations. Journal of Physics: Conference Series, 2014, 510, 012041.	0.3	23
79	Electronâ€Ion Relaxation, Phase Transitions, and Surface Nanoâ€Structuring Produced by Ultrashort Laser Pulses in Metals. Contributions To Plasma Physics, 2013, 53, 796-810.	0.5	36
80	Laser irradiation of thin films: Effect of energy transformation. Laser and Particle Beams, 2013, 31, 663-671.	0.4	24
81	Symmetrically converging plane thermonuclear burn waves. Plasma Physics and Controlled Fusion, 2013, 55, 105011.	0.9	7
82	Mechanisms of nanoparticle formation by ultra-short laser ablation of metals in liquid environment. Physical Chemistry Chemical Physics, 2013, 15, 3108.	1.3	89
83	Measurement of the brightness temperature of shock-compressed epoxy resin. Combustion, Explosion and Shock Waves, 2013, 49, 121-124.	0.3	8
84	Thermodynamic functions of the heated electron subsystem in the field of cold nuclei. High Energy Density Physics, 2013, 9, 309-314.	0.4	43
85	Modeling of plasticity and fracture of metals at shock loading. Journal of Applied Physics, 2013, 113, .	1.1	87
86	Ultrashort laser-matter interaction at moderate intensities: two-temperature relaxation, foaming of stretched melt, and freezing of evolving nanostructures. Proceedings of SPIE, 2013, , .	0.8	5
87	Specific features of the behaviour of targets under negative pressures created by a picosecond laser pulse. Quantum Electronics, 2013, 43, 246-251.	0.3	47
88	First-principle simulation of shock-wave experiments for aluminum. AIP Conference Proceedings, 2012, , .	0.3	2
89	A wide-range model for simulation of pump-probe experiments with metals. Applied Surface Science, 2012, 258, 9480-9483.	3.1	75
90	Strata formation at fast electrical explosion of cylindrical conductors. High Temperature, 2012, 50, 584-595.	0.1	36

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91	Two-temperature thermodynamic and kinetic properties of transition metals irradiated by femtosecond lasers. , 2012, , .		34
92	Dynamics of thin metal foils irradiated by moderate-contrast high-intensity laser beams. Physics of Plasmas, 2012, 19, 023110.	0.7	48
93	Ultrashort elastic and plastic shockwaves in aluminum. , 2012, , .		8
94	Study of mechanical properties of aluminum, AMg6M alloy, and polymethyl methacrylate at high strain rates under the action of picosecond laser radiation. Doklady Physics, 2012, 57, 64-66.	0.2	19
95	Phase transformations of carbon under extreme energy action. Technical Physics, 2012, 57, 198-202.	0.2	18
96	Equation of State of Al Based on the Thomasâ€“Fermi Model. Contributions To Plasma Physics, 2012, 52, 37-40.	0.5	15
97	Hydrodynamic simulation of converging shock waves in porous conical samples enclosed within solid targets. Journal of Applied Physics, 2011, 110, .	1.1	13
98	On the role of heat conduction in the formation of a high-temperature plasma during counter collision of rarefaction waves of solid deuterium. Journal of Applied Mechanics and Technical Physics, 2011, 52, 501-516.	0.1	3
99	Laser radiation scattering from the wires and fibers of imploding arrays on the Angara-5-1 facility. Plasma Physics Reports, 2011, 37, 955-964.	0.3	2
100	Shock compression of some porous media in conical targets: numerical study. Shock Waves, 2011, 21, 35-42.	1.0	11
101	Stepwise shock compression of C70 fullerene. Carbon, 2011, 49, 2345-2351.	5.4	6
102	Simulation of ultrashort double-pulse laser ablation. Applied Surface Science, 2011, 257, 5168-5171.	3.1	48
103	On the mechanism of pressure increase with increasing porosity of the media compressed in conical and cylindrical targets. Computational Mathematics and Mathematical Physics, 2010, 50, 2082-2094.	0.2	2
104	Thermal contribution to thermodynamic functions in the Thomasâ€“Fermi model. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 335003.	0.7	27
105	Submicrosecond polymorphic transformations accompanying shock compression of graphite. High Temperature, 2010, 48, 806-814.	0.1	20
106	Pseudopotential and full-electron DFT calculations of thermodynamic properties of electrons in metals and semiempirical equations of state. Journal of Physics Condensed Matter, 2010, 22, 505501.	0.7	40
107	Laser Applications for Nanotechnology : Insights From Numerical Modeling. AIP Conference Proceedings, 2010, , .	0.3	7
108	Simulation of Double-Pulse Laser Ablation. , 2010, , .		1

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109	Experimental and theoretical study of Al plasma under femtosecond laser pulses. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 214057.	0.7	16
110	Specific Features of Spallation Processes in Polymethyl Methacrylate Under High Strain Rate. Contributions To Plasma Physics, 2009, 49, 451-454.	0.5	18
111	Phase transitions in femtosecond laser ablation. Applied Surface Science, 2009, 255, 5120-5124.	3.1	59
112	One method of producing a high-temperature dense plasma. Journal of Applied Mechanics and Technical Physics, 2009, 50, 371-379.	0.1	1
113	The use of models of mixture for analysis of shock-wave experiments with incomplete phase transformation. High Temperature, 2009, 47, 235-242.	0.1	18
114	XXIV International Conference on Interaction of Intense Energy Fluxes with Matter. High Temperature, 2009, 47, 766-767.	0.1	0
115	On the neutral stability of a shock wave in real media. JETP Letters, 2009, 90, 18-24.	0.4	16
116	Suppression of Ablation in Femtosecond Double-Pulse Experiments. Physical Review Letters, 2009, 103, 195002.	2.9	101
117	SUB-MICROSECOND GRAPHITE-DIAMOND TRANSFORMATION AT NORMAL AND ELEVATED TEMPERATURES. , 2009, , .		0
118	INFLUENCE OF STRUCTURE AND ORIENTATION OF GRAPHITE ON ITS POLYMORPHIC TRANSFORMATION UNDER SHOCK COMPRESSION. , 2009, , .		0
119	1D GAS-DYNAMIC SIMULATION OF SHOCK-WAVE PROCESSES VIA INTERNET. , 2009, , .		4
120	Simulation of shock-induced fragmentation and vaporization in metals. International Journal of Impact Engineering, 2008, 35, 1723-1727.	2.4	14
121	Equation of state and phase diagram of tin at high pressures. Journal of Physics: Conference Series, 2008, 121, 022025.	0.3	20
122	Implementation of kinetics of phase transitions into hydrocode for simulation of laser ablation. Proceedings of SPIE, 2008, , .	0.8	5
123	Simulation of melting and vaporization of metals at hypervelocity impact. Journal of Physics: Conference Series, 2008, 98, 042025.	0.3	1
124	Modeling of optical, transport, and thermodynamic properties of Al metal irradiated by intense femtosecond laser pulses. Proceedings of SPIE, 2008, , .	0.8	4
125	Femtosecond optical diagnostics and hydrodynamic simulation of Ag plasma created by laser irradiation of a solid target. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 125704.	0.6	30
126	TABULAR MULTIPHASE EQUATIONS OF STATE FOR METALS AND THEIR APPLICATIONS. AIP Conference Proceedings, 2008, , .	0.3	11

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127	SHOCK-WAVE LOADING OF GRAPHITE IN STEEL TARGETS WITH CONIC CAVITIES. , 2008, , .		3
128	Equations of state for two alkali metals at high temperatures. Journal of Physics: Conference Series, 2008, 98, 032023.	0.3	46
129	Material decomposition mechanisms in femtosecond laser interactions with metals. Physical Review B, 2007, 75, .	1.1	220
130	Equation of state and physicalâ€“chemical transformations of C60 fullerite at high pressures and temperatures. Diamond and Related Materials, 2007, 16, 1204-1207.	1.8	7
131	Multi-material two-temperature model for simulation of ultra-short laser ablation. Applied Surface Science, 2007, 253, 6343-6346.	3.1	39
132	Determination of the transport and optical properties of a nonideal solid-density plasma produced by femtosecond laser pulses. JETP Letters, 2007, 85, 271-276.	0.4	67
133	Mechanism of amplification of convergent shock waves in porous media. Russian Journal of Physical Chemistry B, 2007, 1, 612-622.	0.2	3
134	The Effects of Preheating of a Fine Tungsten Wire and the Polarity of a High-Voltage Electrode on the Energy Characteristics of an Electrically Exploded Wire in Vacuum. IEEE Transactions on Plasma Science, 2006, 34, 2232-2238.	0.6	31
135	The Thermal Instabilities on Electrical Explosion of Metal Wires. AIP Conference Proceedings, 2006, , .	0.3	4
136	Hypervelocity impact modeling with different equations of state. International Journal of Impact Engineering, 2006, 33, 625-633.	2.4	18
137	The melting wave in a metal fast heated by a high-power current pulse. Technical Physics Letters, 2006, 32, 126-128.	0.2	4
138	Calculation of shock compression of porous media in conical solid-state targets with an outlet hole. Computational Mathematics and Mathematical Physics, 2006, 46, 873-890.	0.2	12
139	Formation and dynamics of plasma layers formed on the foil surface under the action of a high-current pulse. Plasma Physics Reports, 2006, 32, 718-728.	0.3	26
140	Effect of the high-voltage electrode polarity and wire preheating on the energy characteristics of electric explosion of fine tungsten wires in vacuum. Plasma Physics Reports, 2006, 32, 823-835.	0.3	8
141	Analysis of electrical conductivity measurements in strongly coupled tungsten and aluminum plasmas. European Physical Journal D, 2006, 56, B419-B424.	0.4	2
142	The influence of an equation of state on the interpretation of electrical conductivity measurements in strongly coupled tungsten plasma. Journal of Physics A, 2006, 39, 7597-7603.	1.6	14
143	Effect of the Thermal Instabilities on Electrical Explosion of Thin Metal Wires. AIP Conference Proceedings, 2006, , .	0.3	1
144	Analysis of Typical Shock-Wave Experiments and Calculations of Thermodynamic Properties of Substances via Internet. AIP Conference Proceedings, 2006, , .	0.3	6

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145	Dynamic compressibility, release adiabats, and the equation of state of stilbene at high energy densities. Technical Physics, 2005, 50, 197-201.	0.2	13
146	Numerical study of converging shock waves in porous media. Technical Physics, 2005, 50, 976-986.	0.2	9
147	Multiphase Equation of State for Carbon over Wide Range of Temperatures and Pressures. International Journal of Thermophysics, 2005, 26, 479-491.	1.0	40
148	Homogeneity in a Metal Wire under Melting. International Journal of Thermophysics, 2005, 26, 1167-1179.	1.0	10
149	Wire explosion in vacuum: Simulation of a striation appearance. Physics of Plasmas, 2004, 11, 4771-4776.	0.7	56
150	Converging shock waves in porous media. Technical Physics Letters, 2004, 30, 33-35.	0.2	14
151	Study of metal conductivity near the critical point using a microwire electrical explosion in water. Technical Physics, 2004, 49, 843-848.	0.2	64
152	The equation of state for magnesium at high pressures. Technical Physics Letters, 2004, 30, 829-831.	0.2	40
153	Database on Shock-Wave Experiments and Equations of State Available via Internet. AIP Conference Proceedings, 2004, , .	0.3	47
154	Title is missing!. High Temperature, 2003, 41, 447-458.	0.1	9
155	Numerical study of shock compression of graphite and its conversion to diamond in conical targets. Technical Physics, 2003, 48, 727-735.	0.2	11
156	Phase Diagrams and Thermodynamic Properties of Metals at High Pressures, High Temperatures. AIP Conference Proceedings, 2002, , .	0.3	13
157	Phase Transitions in Metal under Fast Selfheating by High-Power Current Pulse. AIP Conference Proceedings, 2002, , .	0.3	1
158	Analysis of Isobaric Expansion Data Based on Soft-Sphere Equation of State for Liquid Metals. AIP Conference Proceedings, 2002, , .	0.3	2
159	Shock Compression, Adiabatic Expansion and Multi-phase Equation of State of Carbon. AIP Conference Proceedings, 2002, , .	0.3	6
160	Title is missing!. International Journal of Thermophysics, 2002, 23, 211-219.	1.0	6
161	Metastable States of Liquid Tungsten Under Subsecond Wire Explosion. International Journal of Thermophysics, 2002, 23, 1359-1367.	1.0	56
162	Metastable States of Liquid Metal under Conditions of Electric Explosion. High Temperature, 2001, 39, 674-687.	0.1	55

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163	Equation of state for liquid metals. AIP Conference Proceedings, 2000, , .	0.3	11
164	Shock wave stability in metals. AIP Conference Proceedings, 2000, , .	0.3	2
165	Equations of state and physical-chemical transformations of shocked organic compounds. AIP Conference Proceedings, 2000, , .	0.3	1
166	Thin foil acceleration method for measuring the unloading isentropes of shock-compressed matter. AIP Conference Proceedings, 2000, , .	0.3	4
167	Choosing an adequate mathematical model in problems with high pulsed energy deposition. Technical Physics, 1998, 43, 518-521.	0.2	1
168	Wide-range multi-phase equations of state for metals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 415, 604-608.	0.7	109
169	High-temperature, high-pressure equation of state for polymer materials. , 1998, , .		1
170	Shock wave data base. , 1998, , .		2
171	Equations of state for polymethylmethacrylate and polytetrafluoroethylene in a wide range of densities and temperatures. High Temperatures - High Pressures, 1998, 30, 373-378.	0.3	14
172	Equations of state for organic compounds over wide range of densities and pressures. AIP Conference Proceedings, 1996, , .	0.3	9
173	Caloric equations of state of structural materials. AIP Conference Proceedings, 1994, , .	0.3	17