

# Sergei Tarasov

## List of Publications by Year in descending order

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Version: 2024-02-01

159  
papers

2,261  
citations

218677

26  
h-index

265206

42  
g-index

161  
all docs

161  
docs citations

161  
times ranked

1105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of friction reduction by nanocopper additives to motor oil. <i>Wear</i> , 2002, 252, 63-69.	3.1	269
2	A proposed diffusion-controlled wear mechanism of alloy steel friction stir welding (FSW) tools used on an aluminum alloy. <i>Wear</i> , 2014, 318, 130-134.	3.1	75
3	Effect of heat input on phase content, crystalline lattice parameter, and residual strain in wire-feed electron beam additive manufactured 304 stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 2353-2363.	3.0	74
4	Adhesion transfer in sliding a steel ball against an aluminum alloy. <i>Tribology International</i> , 2017, 115, 191-198.	5.9	72
5	Microstructural evolution and chemical corrosion of electron beam wire-feed additively manufactured AISI 304 stainless steel. <i>Journal of Alloys and Compounds</i> , 2019, 803, 364-370.	5.5	72
6	Ultrasonic-assisted aging in friction stir welding on Al-Cu-Li-Mg aluminum alloy. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 679-690.	2.5	68
7	Subsurface layer formation during sliding friction. <i>Wear</i> , 2001, 249, 860-867.	3.1	65
8	Gradient transition zone structure in "steel" copper sample produced by double wire-feed electron beam additive manufacturing. <i>Journal of Materials Science</i> , 2020, 55, 9258-9272.	3.7	62
9	Nanostructuring burnishing and subsurface shear instability. <i>Journal of Materials Processing Technology</i> , 2015, 217, 327-335.	6.3	55
10	Vibration and acoustic emission monitoring the stability of peakless tool turning: Experiment and modeling. <i>Journal of Materials Processing Technology</i> , 2017, 246, 224-234.	6.3	55
11	Subsurface shear instability and nanostructuring of metals in sliding. <i>Wear</i> , 2010, 268, 59-66.	3.1	50
12	A Review of Friction Stir Processing of Structural Metallic Materials: Process, Properties, and Methods. <i>Metals</i> , 2020, 10, 772.	2.3	49
13	Scale-dependent subsurface deformation of metallic materials in sliding. <i>Tribology International</i> , 2010, 43, 695-699.	5.9	46
14	Effect of friction on subsurface layer microstructure in austenitic and martensitic steels. <i>Wear</i> , 1999, 231, 228-234.	3.1	41
15	The effect of pulsed electron beam melting on microstructure, friction and wear of WC" Hadfield steel hard metal. <i>Wear</i> , 2004, 257, 97-103.	3.1	40
16	Generation of shear bands in subsurface layers of metals in sliding. <i>Physics of the Solid State</i> , 2008, 50, 844-847.	0.6	40
17	Toward control of subsurface strain accumulation in nanostructuring burnishing on thermstrengthened steel. <i>Surface and Coatings Technology</i> , 2016, 285, 171-178.	4.8	40
18	Controlling the porosity using exponential decay heat input regimes during electron beam wire-feed additive manufacturing of Al-Mg alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 2823-2838.	3.0	38

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19	Acoustic emission study of surface deterioration in tribocontacting. Applied Acoustics, 2017, 117, 106-112.	3.3	37
20	Macrosegmentation and strain hardening stages in copper single crystals under compression. International Journal of Plasticity, 2015, 69, 36-53.	8.8	36
21	The effect of thermal cycling by electron-beam surfacing on structure and wear resistance of deposited M2 steel. Applied Surface Science, 2012, 263, 215-222.	6.1	35
22	General regularities of the microstructure formation during friction stir welding and sliding friction. Journal of Friction and Wear, 2015, 36, 127-131.	0.5	33
23	Characterization of gradient CuAl <sup>1</sup> B4C composites additively manufactured using a combination of wire-feed and powder-bed electron beam deposition methods. Journal of Alloys and Compounds, 2021, 859, 157824.	5.5	31
24	Orientation dependence of subsurface deformation in dry sliding wear of Cu single crystals. Applied Surface Science, 2013, 274, 22-26.	6.1	28
25	Strain-induced folding on [11 <sup>1</sup> 1 <sup>1</sup> ]-copper single crystals under uniaxial compression. Applied Surface Science, 2016, 371, 547-561.	6.1	28
26	Microstructural, mechanical and acoustic emission-assisted wear characterization of equal channel angular pressed (ECAP) low stacking fault energy brass. Tribology International, 2018, 123, 273-285.	5.9	28
27	Ultrasonic-assisted laser welding on AISI 321 stainless steel. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 875-886.	2.5	27
28	Shear instability in the subsurface layer of a material in friction. Physics of the Solid State, 2011, 53, 358-362.	0.6	26
29	One-dimensional model of inhomogeneous shear in sliding. Physical Mesomechanics, 2012, 15, 337-341.	1.9	25
30	Structural phase states and heat aging of composite electron-beam clad coatings. Surface and Coatings Technology, 2013, 232, 775-783.	4.8	22
31	Effect of friction stir welding parameters on defect formation. AIP Conference Proceedings, 2015, , .	0.4	22
32	Detecting transition to chatter mode in peakless tool turning by monitoring vibration and acoustic emission signals. International Journal of Advanced Manufacturing Technology, 2018, 95, 157-169.	3.0	22
33	Towards aging in a multipass friction stir <sup>1</sup> processed $\text{Ti-6Al-4V}$ . International Journal of Advanced Manufacturing Technology, 2019, 103, 2121-2132.	3.0	22
34	Microstructural Analysis of Friction Stir Butt Welded Al-Mg-Sc-Zr Alloy Heavy Gauge Sheets. Metals, 2020, 10, 806.	2.3	21
35	Alloying contact zones by metallic nanopowders in sliding wear. Wear, 2004, 257, 523-530.	3.1	20
36	Subsurface structural evolution and wear lip formation on copper single crystals under unlubricated sliding conditions. Wear, 2018, 410-411, 210-221.	3.1	19

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37	Microstructure of In-Situ Friction Stir Processed Al-Cu Transition Zone. <i>Metals</i> , 2020, 10, 818.	2.3	19
38	Adaptation and self-healing effect of tribo-oxidizing in high-speed sliding friction on ZrB <sub>2</sub> -SiC ceramic composite. <i>Wear</i> , 2020, 446-447, 203204.	3.1	19
39	High-strength friction stir processed dispersion hardened Al-Cu-Mg alloy. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	18
40	The Features of Structure Formation in Chromium-Nickel Steel Manufactured by a Wire-Feed Electron Beam Additive Process. <i>Russian Physics Journal</i> , 2018, 61, 1491-1498.	0.4	18
41	Wear, vibration and acoustic emission characterization of sliding friction processes of coarse-grained and ultrafine-grained copper. <i>Wear</i> , 2019, 424-425, 78-88.	3.1	18
42	Subsurface deformation in copper single crystals during reciprocal sliding. <i>Physics of the Solid State</i> , 2012, 54, 2034-2038.	0.6	17
43	Thermography inspection of friction stir welding. , 2014, , .		17
44	Structure and tensile fracture of 1570C aluminum alloy. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	17
45	Effect of Ultrasonic Application during Friction Stir Welding on Microstructure and Properties of AA2024 Fixed Joints. <i>Key Engineering Materials</i> , 2016, 683, 227-231.	0.4	17
46	Acoustic emission characterization of sliding wear under condition of direct and inverse transformations in low-temperature degradation aged Y-TZP and Y-TZP-AL <sub>2</sub> O <sub>3</sub> . <i>Friction</i> , 2018, 6, 323-340.	6.4	17
47	Strength and Ductility Improvement through Thermomechanical Treatment of Wire-Feed Electron Beam Additive Manufactured Low Stacking Fault Energy (SFE) Aluminum Bronze. <i>Metals</i> , 2020, 10, 1568.	2.3	17
48	The microstructural aspects of abrasive wear resistance in composite electron beam clad coatings. <i>Applied Surface Science</i> , 2014, 293, 318-325.	6.1	16
49	Fragmentation, Texturing and Plastic Flow in the Subsurface of Friction-Processed Copper Single Crystal. <i>Advanced Materials Research</i> , 0, 872, 30-35.	0.3	15
50	Friction-stir processed ultrafine grain high-strength Al-Mg alloy material. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	15
51	Structural modification in a re-heated bead-overlapping zone of the multiple-pass plasma-transferred arc Fe-Cr-V-Mo-C coating. <i>Surface and Coatings Technology</i> , 2017, 329, 272-280.	4.8	14
52	The effect of plasma torch weaving on microstructural evolution in multiple-pass plasma-transferred arc Fe-Cr-V-Mo-C coating. <i>Surface and Coatings Technology</i> , 2018, 344, 75-84.	4.8	14
53	Diffusion-controlled wear of steel friction stir welding tools used on aluminum alloys. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	12
54	Formation of surface layer with nanosize grain-subgrain structure due to friction of a copper “ tool steel pair. <i>Metal Science and Heat Treatment</i> , 2010, 52, 183-188.	0.6	11

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55	Radioscopy of remnant joint line in a friction stir welded seam. Russian Journal of Nondestructive Testing, 2015, 51, 573-579.	0.9	11
56	Heat Input Effect on Microstructure and Mechanical Properties of Electron Beam Additive Manufactured (EBAM) Cu-7.5wt.%Al Bronze. Materials, 2021, 14, 6948.	2.9	11
57	Structural evolution of contact parts of the friction stir processing heat-resistant nickel alloy tool used for multi-pass processing of Ti6Al4V/(Cu+Al) system. Wear, 2022, 488-489, 204138.	3.1	10
58	Microstructure and properties of a nanostructured W-31wt% Cu composite produced by magnetic pulse compaction of bimetallic nanoparticles. International Journal of Refractory Metals and Hard Materials, 2022, 103, 105735.	3.8	10
59	Wear resistance of structural steel in lubricants bearing metal nanopowders. Metal Science and Heat Treatment, 2005, 47, 560-565.	0.6	9
60	Structure and properties of fixed joints formed by ultrasonic-assisted friction-stir welding. AIP Conference Proceedings, 2015, , .	0.4	9
61	Microstructure and tensile properties of Cu-Zn brass after severe plastic deformation. AIP Conference Proceedings, 2018, , .	0.4	9
62	Self-Lubricating Effect of FeWO <sub>4</sub> Tribologically Synthesized from WC-(Fe-Mn-C) Composite during High-Speed Sliding against a HSS Disk. Lubricants, 2022, 10, 86.	2.9	9
63	Wear and friction of transformation-toughened CMC and MMC. Wear, 2001, 249, 892-900.	3.1	8
64	Influence of Intense Bulk Plastic Deformation on the Roughness of a Milled AISI 321 Stainless Steel Surface. Russian Engineering Research, 2019, 39, 986-989.	0.6	7
65	Structure and Mechanical Properties of Cu-Al-Si-Mn System-Based Copper Alloy Obtained by Additive Manufacturing. Russian Physics Journal, 2021, 64, 333-339.	0.4	7
66	Tribo-oxidation of Ti-Al-Fe and Ti-Al-Mn cladding layers obtained by non-vacuum electron beam treatment. Surface and Coatings Technology, 2021, 421, 127442.	4.8	7
67	Localization of strain in friction. Metal Science and Heat Treatment, 2006, 48, 226-230.	0.6	6
68	The evolution of the surface layers on metals in sliding friction. Journal of Friction and Wear, 2007, 28, 514-520.	0.5	6
69	Radiographic detection of defects in friction stir welding on aluminum alloy AMg5M. AIP Conference Proceedings, 2014, , .	0.4	6
70	Towards the problem of forming full strength welded joints on aluminum alloy sheets. Part II: AA7475. AIP Conference Proceedings, 2016, , .	0.4	6
71	Suppression of wear in dry sliding friction induced by negative thermal expansion. Physical Review E, 2020, 102, 042801.	2.1	6
72	Subsurface multilayer evolution of ZrB <sub>2</sub> -SiC ceramics in high-speed sliding and adhesion transfer conditions. Wear, 2021, 482-483, 203956.	3.1	6

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73	Microstructure and Corrosion Resistance of AA4047/AA7075 Transition Zone Formed Using Electron Beam Wire-Feed Additive Manufacturing. <i>Materials</i> , 2021, 14, 6931.	2.9	6
74	The Effect of Heat Input, Annealing, and Deformation Treatment on Structure and Mechanical Properties of Electron Beam Additive Manufactured (EBAM) Silicon Bronze. <i>Materials</i> , 2022, 15, 3209.	2.9	6
75	Codon-Optimized Cloning, Expression and Characterization of the C-Terminal Region of Human Apoptotic Protein GADD34 in <i>Escherichia coli</i> . <i>Cell Cycle</i> , 2004, 3, 74-78.	2.6	5
76	The effect of friction stir welding tool wear on the weld quality of aluminum alloy AMg5M. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	5
77	Ultrasonic-assisted friction stir welding on V95AT1 (7075) aluminum alloy. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	5
78	Mathematical support for automated geometry analysis of lathe machining of oblique peakless roundâ€“nose tools. <i>Journal of Physics: Conference Series</i> , 2017, 803, 012041.	0.4	5
79	Structural, Mechanical, and Tribological Characterization of Magnetic Pulse Compacted Feâ€“Cu Bimetallic Particles Produced by Electric Explosion of Dissimilar Metal Wires. <i>Metals</i> , 2019, 9, 1287.	2.3	5
80	Microstructural Evolution of AA5154 Layers Intermixed with Mo Powder during Electron Beam Wire-Feed Additive Manufacturing (EBAM). <i>Metals</i> , 2022, 12, 109.	2.3	5
81	Self-Lubricating Effect of WC/Yâ€“TZPâ€“Al <sub>2</sub> O <sub>3</sub> Hybrid Ceramicâ€“Matrix Composites with Dispersed Hadfield Steel Particles during High-Speed Sliding against an HSS Disk. <i>Lubricants</i> , 2022, 10, 140.	2.9	5
82	Structural properties of boride coatings for triboengineering. <i>Metal Science and Heat Treatment</i> , 1995, 37, 257-260.	0.6	4
83	Microstructure of Fixed Butt Joints Formed by Friction Stir Welding on 2024T3 Aluminum Alloy. <i>Key Engineering Materials</i> , 2016, 683, 203-208.	0.4	4
84	AA2024 microstructural evolution after bidirectional friction stir processing. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
85	Nondestructive Testing of CubSat Satellite Body Using Laser Vibrometry. <i>Russian Journal of Nondestructive Testing</i> , 2019, 55, 418-425.	0.9	4
86	In Situ Investigation of Strain Localization in Sintered, Porous Segmented Alumina. <i>Materials</i> , 2021, 14, 3720.	2.9	4
87	The effect of counterbody on tribological adaptation of an electron beam deposited HSS M2 steel coating in a range of sliding speeds and normal loads. <i>Tribology International</i> , 2021, 161, 107109.	5.9	4
88	Evolution of Microstructure in Friction Stir Processed Dissimilar CuZn37/AA5056 Stir Zone. <i>Materials</i> , 2021, 14, 5208.	2.9	4
89	In Situ Intermetallics-Reinforced Composite Prepared Using Multi-Pass Friction Stir Processing of Copper Powder on a Ti6Al4V Alloy. <i>Materials</i> , 2022, 15, 2428.	2.9	4
90	Friction and the development of hard alloy surface microstructures during wear. <i>Journal of Materials Engineering and Performance</i> , 1997, 6, 737-742.	2.5	3

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91	Application of fractals to the analysis of friction processes. Technical Physics Letters, 1999, 25, 119-121.	0.7	3
92	Plastic strain arrangement in copper single crystals in sliding. , 2014, , .		3
93	Microstructure of AA 2024 fixed joints formed by friction stir welding. AIP Conference Proceedings, 2015, , .	0.4	3
94	Acoustic emission as method of chatter detection in cutting. AIP Conference Proceedings, 2018, , .	0.4	3
95	Formation of a surface-layer substructure due to friction. Russian Physics Journal, 1997, 40, 200-204.	0.4	2
96	Ultrasonic phase array and eddy current methods for diagnostics of flaws in friction stir welds. , 2014, , .		2
97	Friction stir processing on carbon steel. , 2014, , .		2
98	Stress and strain analysis of steel subsurface layers under nanostructuring burnishing. AIP Conference Proceedings, 2015, , .	0.4	2
99	Oriented microtexturing on the surface of high-speed steel cutting tool. AIP Conference Proceedings, 2016, , .	0.4	2
100	Application of 3D Computed Microtomography for Investigating the Microstructural Defects of Carbon Fiber Reinforced Composite Made by 3D-Printing. Key Engineering Materials, 2016, 712, 324-327.	0.4	2
101	Effect of adhesion transfer on the surface pattern regularity in nanostructuring burnishing. AIP Conference Proceedings, 2016, , .	0.4	2
102	Adhesion transfer layer formation in sliding on equal-channel angle pressed ultrafine grained AA6063. AIP Conference Proceedings, 2017, , .	0.4	2
103	Dynamic behavior of friction ultrafine-grained AA5052. AIP Conference Proceedings, 2018, , .	0.4	2
104	The Microstructural Evolution and Wear of Weld Deposited M2 Steel Coating After Laser Spot Melting. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4307-4318.	2.2	2
105	Surface Quality of AMg2 Aluminum Alloy with Ultrafine Grain Structure after Machining 2. Milling. Russian Engineering Research, 2019, 39, 436-438.	0.6	2
106	THE USE OF NON-DESTRUCTIVE TESTING METHODS FOR DIAGNOSTICS OF FRICTION STIR WELD FLAWS. Kontrol Diagnostika, 2015, , 51-58.	0.1	2
107	Structure in surface frictional layers on 36NKhTYu alloy. Soviet Physics Journal (English Translation) Tj ETQq1 1 0.784314 rgBJ /Overl	0.0	1
108	Structural changes of the friction surface and wear resistance of a ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> ceramic. Technical Physics Letters, 2000, 26, 461-463.	0.7	1

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109	Structure and Properties of Multicomponent Tin Leaded Bronzes upon Die-Casting Depending on Pouring Temperature. Applied Mechanics and Materials, 0, 756, 281-285.	0.2	1
110	Wrinkling and Folding in Copper Single Crystals under Compression and Sliding. Advanced Materials Research, 0, 1085, 351-354.	0.3	1
111	Modal analysis of additive manufactured carbon fiber reinforced polymer composite framework: Experiment and modeling. AIP Conference Proceedings, 2016, , .	0.4	1
112	Mechanical strength of additive manufactured carbon fiber reinforced polyetheretherketone. AIP Conference Proceedings, 2016, , .	0.4	1
113	Tensile strength on friction stir processed AMg5 (5083) aluminum alloy. AIP Conference Proceedings, 2016, , .	0.4	1
114	Mechanical strength of multicomponent reinforced composite structures at different temperatures. AIP Conference Proceedings, 2017, , .	0.4	1
115	Modeling acoustic wave propagation in isotropic medium. AIP Conference Proceedings, 2017, , .	0.4	1
116	Surface Quality of AMg2 Aluminum Alloy with Ultrafine Grain Structure after Machining. 1. Turning. Russian Engineering Research, 2018, 38, 1067-1070.	0.6	1
117	The annealing effect on scratch testing behavior of ultrafine-grained brass. AIP Conference Proceedings, 2018, , .	0.4	1
118	Scratch testing of coarse-grained and ultra fine-grained copper. AIP Conference Proceedings, 2018, , .	0.4	1
119	Anisotropy of the mechanical properties of the aluminum bronze obtained by the electron beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.4	1
120	Study of the Structure and Mechanical Properties of Aluminum Bronze Printed by Electron Beam Additive Manufacturing. Metal Working and Material Science, 2020, 22, 118-129.	0.3	1
121	An experimental study of the wear resistance of ferrite-pearlite steel printed by electron beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.4	1
122	Structure and mechanical properties of ferritic-pearlite steel printed by electron beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.4	1
123	Hardening treatment for the sliding supports of drill bits. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 1993, 29, 188-190.	0.3	0
124	Structure and Abrasive Wear of Composite HSS M2/WC Coating. Advances in Tribology, 2012, 2012, 1-9.	2.1	0
125	Identification of conditions for nanostructured burnishing and subsurface shear instability. , 2014, , .		0
126	Friction stir processing on high carbon steel U12. AIP Conference Proceedings, 2015, , .	0.4	0

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127	Friction-Burnishing Treatment of Medium-Carbon Steel. Metal Science and Heat Treatment, 2015, 57, 334-338.	0.6	0
128	Diagnostics of flexible workpiece using acoustic emission, acceleration and eddy current sensors in milling operation. AIP Conference Proceedings, 2016, , .	0.4	0
129	An experimental modeling and acoustic emission monitoring of abrasive wear in a steel/diabase pair. AIP Conference Proceedings, 2016, , .	0.4	0
130	Towards identifying the dynamics of sliding by acoustic emission and vibration. AIP Conference Proceedings, 2016, , .	0.4	0
131	Minkowski functionals and fractography of aluminum alloys. AIP Conference Proceedings, 2016, , .	0.4	0
132	Orientation dependence of compression deformation on 1570C aluminum alloy. AIP Conference Proceedings, 2016, , .	0.4	0
133	Mechanical Properties of Additive Manufactured Complex Matrix Three-Component Carbon Fiber Reinforced Composites. Key Engineering Materials, 0, 712, 232-236.	0.4	0
134	Mechanical strength characterization of three-component composite structural components. AIP Conference Proceedings, 2016, , .	0.4	0
135	Mechanical properties of three-component additive manufactured composites at elevated and cool temperatures. AIP Conference Proceedings, 2016, , .	0.4	0
136	Modal analysis of additive manufactured carbon fiber reinforced polymer composite: Experiment and modeling. AIP Conference Proceedings, 2017, , .	0.4	0
137	Towards the effect of acoustic emission (AE) sensor positioning within AE signal parameters in sliding on bulk ultrafine-grained materials. AIP Conference Proceedings, 2017, , .	0.4	0
138	Compression strain-induced folding at intersecting deformation macrobands on the copper single crystals. AIP Conference Proceedings, 2017, , .	0.4	0
139	Sliding dynamics on ultrafine grained Al-6 wt % Mg made by equal channel single pressing. AIP Conference Proceedings, 2017, , .	0.4	0
140	The effect of equal channel angular pressing on structure and machining quality of AA5052. AIP Conference Proceedings, 2018, , .	0.4	0
141	Dynamic of friction on ultrafine-grained Cu-Zn brass. AIP Conference Proceedings, 2018, , .	0.4	0
142	Acoustic emission response to severe friction in deformation by cutting on metals and alloys. AIP Conference Proceedings, 2018, , .	0.4	0
143	The effect of annealing on structure and phase composition of ultrafine-grained AISI 321 stainless steel. AIP Conference Proceedings, 2018, , .	0.4	0
144	Dynamics of friction processes on stainless steel AISI 201 with coarse and ultrafine-grained structure. AIP Conference Proceedings, 2018, , .	0.4	0

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145	Dynamics of friction processes on Al-Zn-Mg-Cu alloy with coarse-grained or ultrafine-grained structure. AIP Conference Proceedings, 2018, , .	0.4	0
146	Selection of the severe plastic deformation mode for improving mechanical properties of AISI 201 steel. AIP Conference Proceedings, 2018, , .	0.4	0
147	Infrared thermography inspection of severe friction on UFG stainless steel, copper and aluminum alloy. AIP Conference Proceedings, 2019, , .	0.4	0
148	Deformation behavior of Cu-1.5Co-3Al single crystals during sliding friction. AIP Conference Proceedings, 2019, , .	0.4	0
149	Indentation and scratch testing of coarse-grained and ultrafine-grained AA6063. AIP Conference Proceedings, 2019, , .	0.4	0
150	Nanoindentation on coarse-grained (CG) and ultrafine-grained (UFG) C11000 grade copper. AIP Conference Proceedings, 2019, , .	0.4	0
151	Folding on the lateral sides of copper monocrystals loaded by uniaxial compression and friction. Letters on Materials, 2013, 3, 202-205.	0.7	0
152	The Effect of Equal-Channel Angular Pressing on the Surface Quality of Aluminum Alloy 7075 after Milling. Metal Working and Material Science, 2018, 20, 96-106.	0.3	0
153	The Effect of the Structural State of AISI 321 Stainless Steel on Surface Quality During Turning. Metal Working and Material Science, 2020, 22, 102-113.	0.3	0
154	Tribological behavior of ZrB <sub>2</sub> -SiC ceramics during dry sliding on steel. AIP Conference Proceedings, 2020, , .	0.4	0
155	Nanoindentation of ZrB <sub>2</sub> -SiC worn surface after high-speed sliding. AIP Conference Proceedings, 2020, , .	0.4	0
156	Influence of the structural state on the development of the dynamics of friction processes during dry sliding friction of ferritic-pearlitic steel. AIP Conference Proceedings, 2020, , .	0.4	0
157	Self-adaptation mechanisms in the subsurface of different CMCs and MMCs in high-speed sliding. AIP Conference Proceedings, 2020, , .	0.4	0
158	Peculiarities of the boron carbide particles reinforced aluminum bronze manufactured by electron beam 3D printing. AIP Conference Proceedings, 2020, , .	0.4	0
159	Plastic deformation and fragmentation of single-crystal pure copper during friction stir welding. AIP Conference Proceedings, 2022, , .	0.4	0