

Sergei Grigoriev

List of Publications by Year in descending order

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papers

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44042

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1458
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#	ARTICLE	IF	CITATIONS
1	Optimizing the Process Parameters for Additive Manufacturing of Glass Components by Selective Laser Melting: Soda-Lime Glass Versus Quartz Glass. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	4
2	The Effectiveness of Diamond-like Carbon a-C:H:Si Coatings in Increasing the Cutting Capability of Radius End Mills When Machining Heat-Resistant Nickel Alloys. Coatings, 2022, 12, 206.	1.2	8
3	Evaluation of Mechanical and Electrical Performance of Aging Resistance ZTA Composites Reinforced with Graphene Oxide Consolidated by SPS. Materials, 2022, 15, 2419.	1.3	8
4	Processing and Characterization of Spark Plasma Sintered SiC-TiB ₂ -TiC Powders. Materials, 2022, 15, 1946.	1.3	8
5	Plasma-Beam Processing of Tools Made of SiAlON Dielectric Ceramics to Increase Wear Resistance When Cutting Nickel-Chromium Alloys. Coatings, 2022, 12, 469.	1.2	4
6	Specific features of the structure and properties of arc-PVD coatings depending on the spatial arrangement of the sample in the chamber. Vacuum, 2022, 200, 111047.	1.6	38
7	Beam Shaping in Laser Powder Bed Fusion: Péclet Number and Dynamic Simulation. Metals, 2022, 12, 722.	1.0	15
8	On Defect Minimization Caused by Oxide Phase Formation in Laser Powder Bed Fusion. Metals, 2022, 12, 760.	1.0	4
9	Investigation of the influence of the features of the deposition process on the structural features of microparticles in PVD coatings. Vacuum, 2022, 202, 111144.	1.6	34
10	Advances in Laser Materials Processing. Metals, 2022, 12, 917.	1.0	0
11	Investigation of the Nature of the Interaction of Me-MeN-(Me,Mo,Al)N Coatings (Where Me = Zr, Ti, or Tj) on the Surface of Titanium. Tribology International, 2022, 174, 107741.	1.2	10
12	Sampling by variables for Rayleigh distributed lots. Izmeritel'naya Tekhnika, 2022, , 28-35.	0.0	2
13	Investigation of MAO Coatings Characteristics on Titanium Products Obtained by EBM Method Using Additive Manufacturing. Materials, 2022, 15, 4535.	1.3	10
14	Granulation of Silicon Nitride Powders by Spray Drying: A Review. Materials, 2022, 15, 4999.	1.3	6
15	Influence of Mo content on the properties of multilayer nanostructured coatings based on the (Mo,Cr,Al)N system.. Tribology International, 2022, 174, 107741.	3.0	9
16	Investigation of tribological and functional properties of Cr,Mo-(Cr,Mo)N-(Cr,Mo,Al)N multilayer composite coating. Tribology International, 2021, 155, 106804.	3.0	22
17	Modeling of Non-Stationary Processes When Cutting Hard-to-Process Materials. EPJ Web of Conferences, 2021, 248, 04018.	0.1	0
18	Wire Electrical Discharge Machining, Mechanical and Tribological Performance of TiN Reinforced Multiscale SiAlON Ceramic Composites Fabricated by Spark Plasma Sintering. Applied Sciences (Switzerland), 2021, 11, 657.	1.3	12

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19	Thermodynamic Model of Wear Intensity of Cutting Tools With Coatings. EPJ Web of Conferences, 2021, 248, 04017.	0.1	1
20	Relationship of the Profile of the Working Surface of a Diamond Wheel with the Quality of the Grinded Surface of Al ₂ O ₃ -TiC-Ceramics. Refractories and Industrial Ceramics, 2021, 61, 684-690.	0.2	0
21	Investigation of the properties of the Cr,Mo-(Cr,Mo,Zr,Nb)N-(Cr,Mo,Zr,Nb,Al)N multilayer composite multicomponent coating with nanostructured wear-resistant layer. Wear, 2021, 468-469, 203597.	1.5	23
22	A new approach for controlling of curved cutting edges of toroid-shaped end-milling cutter. , 2021, , .		12
23	Vibroacoustic monitoring of technological processes employing electrophysical phenomena. , 2021, , .		2
24	Surface Quality of Metal Parts Produced by Laser Powder Bed Fusion: Ion Polishing in Gas-Discharge Plasma Proposal. Technologies, 2021, 9, 27.	3.0	5
25	Development of DLC-Coated Solid SiAlON/TiN Ceramic End Mills for Nickel Alloy Machining: Problems and Prospects. Coatings, 2021, 11, 532.	1.2	53
26	WEDM as a Replacement for Grinding in Machining Ceramic Al ₂ O ₃ -TiC Cutting Inserts. Metals, 2021, 11, 882.	1.0	38
27	Properties of Cold Spray Coatings for Restoration of Worn-Out Contact Wires. Coatings, 2021, 11, 626.	1.2	6
28	Sub-Microstructure of Surface and Subsurface Layers after Electrical Discharge Machining Structural Materials in Water. Metals, 2021, 11, 1040.	1.0	6
29	Si-containing diamond-like carbon coatings to improve the wear resistance of solid ceramic end mills. Journal of Physics: Conference Series, 2021, 1954, 012010.	0.3	0
30	Elemental and Thermochemical Analyses of Materials after Electrical Discharge Machining in Water: Focus on Ni and Zn. Materials, 2021, 14, 3189.	1.3	5
31	Application of Adaptive Materials and Coatings to Increase Cutting Tool Performance: Efficiency in the Case of Composite Powder High Speed Steel. Coatings, 2021, 11, 855.	1.2	6
32	Vibroacoustic Monitoring Features of Radiation-Beam Technologies by the Case Study of Laser, Electrical Discharge, and Electron-Beam Machining. Metals, 2021, 11, 1117.	1.0	4
33	Nanostructured biocompatible Ti-TiN coating for implants with improved functional properties. , 2021, , .		3
34	Microstructural Studies of the Copper-Based Coating Obtained by Cold Gas-Dynamic Spraying for the Restoration of Worn-Out Contact Wires. Coatings, 2021, 11, 1067.	1.2	3
35	Investigation of the properties of Ti-TiN-(Ti,Al,Nb,Zr)N composite coating and its efficiency in increasing wear resistance of metal cutting tools. Surface and Coatings Technology, 2021, 421, 127432.	2.2	8
36	A new method to efficiently control energy use in Electrical Discharge Machining (EDM). , 2021, , .		1

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37	Possibilities of Additive Technologies for the Manufacturing of Tooling from Corrosion-Resistant Steels in Order to Protect Parts Surfaces from Thermochemical Treatment. <i>Metals</i> , 2021, 11, 1551.	1.0	3
38	Electrical discharge machining of oxide and nitride ceramics: A review. <i>Materials and Design</i> , 2021, 209, 109965.	3.3	37
39	Investigation of the tribological properties of Ti-TiN-(Ti,Al,Nb,Zr)N composite coating and its efficiency in increasing wear resistance of metal cutting tools. <i>Tribology International</i> , 2021, 164, 107236.	3.0	25
40	Investigation of wear mechanisms of multilayer nanostructured wear-resistant coatings during turning of steel. Part 2: Diffusion, oxidation processes and cracking in Ti-TiN-(Ti,Cr,Mo,Al)N coating. <i>Wear</i> , 2021, 486-487, 204096.	1.5	11
41	Nanostructured Composite Modifying Coatings for Highly Efficient Environmentally Friendly Dry Cutting. , 2021, , 679-712.		0
42	Development of a Model of Crack Propagation in Multilayer Hard Coatings under Conditions of Stochastic Force Impact. <i>Materials</i> , 2021, 14, 260.	1.3	9
43	Managing Approach the Workload Balance Over Workstations at Stage Process Engineering Part-Making in Multi-Product Production. <i>MATEC Web of Conferences</i> , 2021, 346, 03078.	0.1	1
44	Enhancement of Medium-Carbon Steel Corrosion and Wear Resistance by Plasma Electrolytic Nitriding and Polishing. <i>Metals</i> , 2021, 11, 1599.	1.0	5
45	Nanostructured Composite Modifying Coatings for Highly Efficient Environmentally Friendly Dry Cutting. , 2021, , 1-35.		0
46	The Role of the Activator Additives Introduction Method in the Cold Sintering Process of ZnO Ceramics: CSP/SPS Approach. <i>Materials</i> , 2021, 14, 6680.	1.3	9
47	Enhancement of the Mechanical and Tribological Properties of Aluminum-Based Alloys Fabricated by SPS and Alloyed with Mo and Cr. <i>Metals</i> , 2021, 11, 1900.	1.0	2
48	Physicomechanical Nature of Acoustic Emission Preceding Wire Breakage during Wire Electrical Discharge Machining (WEDM) of Advanced Cutting Tool Materials. <i>Metals</i> , 2021, 11, 1865.	1.0	15
49	Wire Tool Electrode Behavior and Wear under Discharge Pulses. <i>Technologies</i> , 2020, 8, 49.	3.0	19
50	Electrical Discharge Machining of Oxide Nanocomposite: Nanomodification of Surface and Subsurface Layers. <i>Journal of Manufacturing and Materials Processing</i> , 2020, 4, 96.	1.0	33
51	Selecting a Coating for Ceramic End Mill Based on the Stress-Strain Behavior of its Cutting Edge. Part 21. <i>Refractories and Industrial Ceramics</i> , 2020, 60, 603-607.	0.2	0
52	Effect of Cavitation Erosion Wear, Vibration Tumbling, and Heat Treatment on Additively Manufactured Surface Quality and Properties. <i>Metals</i> , 2020, 10, 1540.	1.0	14
53	Investigation of multicomponent nanolayer coatings based on nitrides of Cr, Mo, Zr, Nb, and Al. <i>Surface and Coatings Technology</i> , 2020, 401, 126258.	2.2	62
54	Surface Hardening of Machine Parts Using Nitriding and TiN Coating Deposition in Glow Discharge. <i>Machines</i> , 2020, 8, 42.	1.2	8

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55	Surface Modification of Dielectric Substrates by Broad Beams of High-Energy Atoms of Inert Gases. Technologies, 2020, 8, 43.	3.0	0
56	Investigation of the Properties of Ti-TiN-(Ti,Cr,Mo,Al)N Multilayered Composite Coating with Wear-Resistant Layer of Nanolayer Structure. Coatings, 2020, 10, 1236.	1.2	3
57	The Influence of the Highly Concentrated Energy Treatments on the Structure and Properties of Medium Carbon Steel. Metals, 2020, 10, 1669.	1.0	2
58	Influence of Postprocessing on Wear Resistance of Aerospace Steel Parts Produced by Laser Powder Bed Fusion. Technologies, 2020, 8, 73.	3.0	10
59	Computer Engineering of the Surface Layer of Ground Al ₂ O ₃ -TiC Ceramics. Thermal Analysis. Refractories and Industrial Ceramics, 2020, 61, 418-423.	0.2	2
60	Improving simulation adequacy of production processes by jointly applying the planned and situational reservation logic of jobs in the machine parts manufacturing batch. IOP Conference Series: Materials Science and Engineering, 2020, 971, 032093.	0.3	8
61	Investigation of the Influence of Microdroplets on the Coatings Nanolayer Structure. Coatings, 2020, 10, 1204.	1.2	9
62	The Potential of High-Fluence Ion Irradiation for Processing and Recovery of Diamond Tools. Coatings, 2020, 10, 1243.	1.2	0
63	Computer Engineering of the Surface Layer of Ground Al ₂ O ₃ -TiC Ceramics. Force Analysis. Refractories and Industrial Ceramics, 2020, 61, 413-417.	0.2	2
64	Convection-Diffusion Model for the Synthesis of PVD Coatings and the Influence of Nanolayer Parameters on the Formation of Fractal and Hierarchical Structures. Coatings, 2020, 10, 927.	1.2	0
65	Influence of DLC Coatings Deposited by PECVD Technology on the Wear Resistance of Carbide End Mills and Surface Roughness of AlCuMg ₂ and 41Cr4 Workpieces. Coatings, 2020, 10, 1038.	1.2	13
66	Properties of (Cr,Al,Si)N-(DLC-Si) composite coatings deposited on a cutting ceramic substrate. Ceramics International, 2020, 46, 18241-18255.	2.3	53
67	Selecting a Coating for Ceramic End Mill Based on the Stress-Strain Behavior of its Cutting Edge. Part 1. Refractories and Industrial Ceramics, 2020, 60, 599-602.	0.2	0
68	Synthesis of aluminum nitride coatings assisted by fast argon atoms in a magnetron sputtering system with a separate input of argon and nitrogen. Surface and Coatings Technology, 2020, 398, 126078.	2.2	5
69	Investigation of the influence of the thickness of nanolayers in wear-resistant layers of Ti-TiN-(Ti,Cr,Al)N coating on destruction in the cutting and wear of carbide cutting tools. Surface and Coatings Technology, 2020, 385, 125402.	2.2	62
70	Influence of the nanostructure of Ti-TiN-(Ti,Al,Cr)N multilayer composite coating on tribological properties and cutting tool life. Tribology International, 2020, 150, 106388.	3.0	56
71	Machining High-Temperature Alloys by Means of Solid Ceramic End Mills. Russian Engineering Research, 2020, 40, 79-82.	0.2	3
72	Investigation of Technological Parameters for Machining Toroidal Section of Solid Ceramic End Mills. IOP Conference Series: Materials Science and Engineering, 2020, 971, 022065.	0.3	23

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73	Information model of production and logistics systems of machine-building enterprises as the basis for the development and maintenance of their digital twins. IOP Conference Series: Materials Science and Engineering, 2020, 971, 032094.	0.3	12
74	Basics of computer engineering surface layer of polished ceramics. Novye Ogneupory (new Refractories), 2020, 60, 150-155.	0.1	15
75	High-precision method for determining the optimal trajectory of movement of a conical grinding wheel relative to the helical grooves of solid ceramic mills. , 2020, , .		13
76	A new method for modeling edges of a toroidal cutting surface of solid ceramic end mills. , 2020, , .		15
77	Changing the structure of the surface layer of ceramic products during operation. Part 1. Novye Ogneupory (new Refractories), 2020, , 39-45.	0.1	4
78	Materials, properties, manufacturing methods and cutting performance of innovative ceramic cutting tools â a review. Manufacturing Review, 2019, 6, 19.	0.9	19
79	Introduction to Ceramic Micromechanics. Ceramic Object Operating System. Refractories and Industrial Ceramics, 2019, 60, 120-123.	0.2	4
80	Efficient Arrangement of Blanks Made of Oxide Ceramics in the Course of Jet-Abrasive Machining. Refractories and Industrial Ceramics, 2019, 59, 667-670.	0.2	0
81	DLC-coating Application to Improve the Durability of Ceramic Tools. Journal of Materials Engineering and Performance, 2019, 28, 4415-4426.	1.2	38
82	Investigation of wear mechanisms for the rake face of a cutting tool with a multilayer composite nanostructured CrâCrN-(Ti,Cr,Al,Si)N coating in high-speed steel turning. Wear, 2019, 438-439, 203069.	1.5	46
83	Electrical discharge machining of ceramic nanocomposites: sublimation phenomena and adaptive control. Heliyon, 2019, 5, e02629.	1.4	34
84	Impulse Laser Effect on Graphitized Surface of YâTZP-Ceramics. Refractories and Industrial Ceramics, 2019, 60, 177-182.	0.2	1
85	Design of Ceramic End Cutters for Innovative Technological Processes Performed with Regard for Their Stress-Strain State. The Choice of Ceramics. Part 2. Refractories and Industrial Ceramics, 2019, 60, 227-231.	0.2	1
86	Surface Hardening of Massive Steel Products in the Low-pressure Glow Discharge Plasma. Technologies, 2019, 7, 62.	3.0	4
87	Strengthening of cutting tools using beams of fast neutral atoms in a low-pressure gas discharge plasma. Journal of Physics: Conference Series, 2019, 1281, 012023.	0.3	0
88	The efficiency of diamond-like coatings for increased wear resistance of end mills at the machining aluminum alloys. Journal of Physics: Conference Series, 2019, 1281, 012024.	0.3	0
89	Correlation of Al ₂ O ₃ -Ceramic Structure with the Mechanism of Surface Layer Formation for Workpieces During Diamond Grinding. Refractories and Industrial Ceramics, 2019, 60, 82-85.	0.2	5
90	A Cold-Pressing Method Combining Axial and Shear Flow of Powder Compaction to Produce High-Density Iron Parts. Technologies, 2019, 7, 70.	3.0	4

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91	Spark Plasma Sintering of Al ₂ O ₃ -Ceramic Workpieces for Small End Milling Cutters. Refractories and Industrial Ceramics, 2019, 59, 623-627.	0.2	1
92	The Effect of Electromechanical Treatment on Structure and Properties of Plasma-Sprayed Fe-30Cr Coating. Journal of Thermal Spray Technology, 2019, 28, 883-892.	1.6	7
93	Design of the Ceramic-Bladed End Milling Cutters with Regard for Their Stress-Strain State for the Innovation Technological Processes. Choice of Ceramics. Part 1. Refractories and Industrial Ceramics, 2019, 59, 558-563.	0.2	3
94	Selection of Ceramic Tools in the Production Preparation Stage Taking Account of Operating Properties. Refractories and Industrial Ceramics, 2019, 59, 496-501.	0.2	2
95	Investigation of performance and cutting properties of carbide tool with nanostructured multilayer Zr-ZrN-(Zr _{0.5} ,Cr _{0.3} ,Al _{0.2})N coating. International Journal of Advanced Manufacturing Technology, 2019, 102, 2953-2965.	1.5	21
96	Design of Toroid-Shaped Solid Ceramic End Mill. EPJ Web of Conferences, 2019, 224, 05001.	0.1	11
97	Solid Ceramic Toroidal End Mill. Russian Engineering Research, 2019, 39, 1084-1087.	0.2	3
98	Dynamic Model of Electrical Discharge Machining and Algorithm of Extreme Control Through Acoustic Signal. EPJ Web of Conferences, 2019, 224, 05002.	0.1	8
99	Design of Ceramic-Bladed End Milling Cutters with Regard for Their Stress-Strain State for Innovative Production Processes. Choice of Ceramics. Part 33. Refractories and Industrial Ceramics, 2019, 60, 301-304.	0.2	1
100	Possibilities of Manufacturing Products from Cermet Compositions Using Nanoscale Powders by Additive Manufacturing Methods. Materials, 2019, 12, 3425.	1.3	27
101	Influence of the Thickness of Multilayer Composite Nano-Structured Coating Tiâ€“TiNâ€“(Ti,Al,Si)N on the Tool Life of Metal-Cutting Tools and the Nature of Wear. Coatings, 2019, 9, 730.	1.2	10
102	Investigation of wear dynamics for cutting tools with multilayer composite nanostructured coatings in turning constructional steel. Wear, 2019, 420-421, 17-37.	1.5	75
103	Effect of adhesion and the wear-resistant layer thickness ratio on mechanical and performance properties of ZrN - (Zr,Al,Si)N coatings. Surface and Coatings Technology, 2019, 357, 218-234.	2.2	78
104	Production Process Planning for Preparing Si ₃ N ₄ -Ceramic Objects Taking Account of Edge Defectiveness. Refractories and Industrial Ceramics, 2018, 58, 562-565.	0.2	10
105	Application of Pulsed Laser Deposition in Reactive Gaseous Media to Fabricate an Effective Hybrid MoS _x /WO _y Catalyst for the Reaction of Hydrogen Evolution. Inorganic Materials: Applied Research, 2018, 9, 297-304.	0.1	6
106	Evaluation of Ceramic Tool Reliability with a Limited Number of Tests Based on Established Wear Criteria. Refractories and Industrial Ceramics, 2018, 59, 386-390.	0.2	7
107	Physical and Technological Aspects of Pulsed Laser Cutting of Cavities in Ceramics. Refractories and Industrial Ceramics, 2018, 59, 170-174.	0.2	1
108	Scientific school of STANKIN: high-efficiency machining of innovative materials. Mechanics and Industry, 2018, 19, 701.	0.5	1

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109	Physical and Technological Aspects of Precision Laser Treatment of Ceramic Materials. Effect of Treatment Regime. Refractories and Industrial Ceramics, 2018, 59, 287-289.	0.2	2
110	Effect produced by thickness of nanolayers of multilayer composite wear-resistant coating on tool life of metal-cutting tool in turning of steel AISI 321. Procedia CIRP, 2018, 77, 549-552.	1.0	11
111	Influence of thickness of multilayer composite nano-structured coating Ti-TiN-(Ti,Al,Cr)N on tool life of metal-cutting tool. Procedia CIRP, 2018, 77, 545-548.	1.0	10
112	Determination of reliability of working position with rigid inter-aggregate relation. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032016.	0.3	2
113	An Approach to Creation of Terminal Clients in CNC System. , 2018, , .		31
114	Improvement of Thin Film Adhesion Due to Bombardment by Fast Argon Atoms. Coatings, 2018, 8, 303.	1.2	4
115	Equipment and Technology for Combined Ion-Plasma Strengthening of Cutting Tools. Machines, 2018, 6, 58.	1.2	3
116	Characterization of microrelief forming on the hardened steel surface with ultrasonic reinforcing burnishing processing. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032011.	0.3	5
117	Influence of ultrasonic burnishing on the durability of the burnisher. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032031.	0.3	0
118	System of Operation of Ceramic Tools in the External Burnishing of Cylindrical Billets. Refractories and Industrial Ceramics, 2018, 59, 100-105.	0.2	0
119	Investigation into Performance of Multilayer Composite Nano-Structured Cr-CrN-(Cr _{0.35} Ti _{0.40} Al _{0.25})N Coating for Metal Cutting Tools. Coatings, 2018, 8, 447.	1.2	4
120	The Effect of TiC Additive on Mechanical and Electrical Properties of Al ₂ O ₃ Ceramic. Applied Sciences (Switzerland), 2018, 8, 2385.	1.3	35
121	The Role of Thin-Film Vacuum-Plasma Coatings and Their Influence on the Efficiency of Ceramic Cutting Inserts. Coatings, 2018, 8, 287.	1.2	54
122	Investigation of wear and diffusion processes on rake faces of carbide inserts with Ti-TiN-(Ti,Al,Si)N composite nanostructured coating. Wear, 2018, 416-417, 72-80.	1.5	65
123	On productivity of laser additive manufacturing. Journal of Materials Processing Technology, 2018, 261, 213-232.	3.1	96
124	Technological Provision of the Quality of Ring Edges of Silicon-Carbide Friction Couples for the End Seals of the Pumps. Refractories and Industrial Ceramics, 2018, 58, 647-651.	0.2	7
125	Effect of graphene addition on the mechanical and electrical properties of Al ₂ O ₃ -SiCw ceramics. Journal of the European Ceramic Society, 2017, 37, 2473-2479.	2.8	75
126	Environmental Aspects Of The Green Surface Plastic Deformation Technology Of Car Parts. IOP Conference Series: Earth and Environmental Science, 2017, 50, 012015.	0.2	5

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127	Study of cracking mechanisms in multi-layered composite nano-structured coatings. <i>Wear</i> , 2017, 378-379, 43-57.	1.5	87
128	Vibroacoustic Monitoring of the Major Parameters of Electrical Discharge Machining. <i>Measurement Techniques</i> , 2017, 59, 1228-1233.	0.2	6
129	Pulsed laser deposition and characterization of nanostructured thin films based on Mo(Ni)Se _x and amorphous carbon phase as electrocatalysts for hydrogen evolution reaction. <i>Inorganic Materials: Applied Research</i> , 2017, 8, 195-202.	0.1	3
130	Coating synthesis on dielectric substrates assisted by pulsed beams of high-energy gas atoms. <i>Journal of Physics: Conference Series</i> , 2017, 830, 012098.	0.3	0
131	Focused beams of fast neutral atoms in glow discharge plasma. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	12
132	Ecological and Toxicological Characteristics of Metalworking Fluids Used in Finishing Processing in Russian Federation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 66, 012012.	0.2	3
133	Research of Tool Durability in Surface Plastic Deformation Processing by Burnishing of Steel Without Metalworking Fluids. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 66, 012013.	0.2	7
134	Optical Method For Monitoring Tool Control For Green Burnishing With Using Of Algorithms With Adaptive Settings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 66, 012020.	0.2	6
135	Definition of the Languages XML and RDF of the Semantic Web in the Metalanguage of Normal Forms of Knowledge. <i>Cybernetics and Systems Analysis</i> , 2017, 53, 684-691.	0.4	1
136	Features of Al ₂ O ₃ â€“TiC-Ceramic Specimen Edge Morphology Formation During Diamond Grinding. <i>Refractories and Industrial Ceramics</i> , 2017, 58, 319-323.	0.2	18
137	Working efficiency of cutting tools with multilayer nano-structured Ti-TiCN-(Ti,Al)CN and Ti-TiCN-(Ti,Al,Cr)CN coatings: Analysis of cutting properties, wear mechanism and diffusion processes. <i>Surface and Coatings Technology</i> , 2017, 332, 198-213.	2.2	65
138	Local search gradient algorithm based on functional voxel modeling. <i>Programming and Computer Software</i> , 2017, 43, 300-306.	0.5	7
139	Research of Tool Durability in Surface Plastic Deformation by Wide Burnishing of Cast Iron without Metalworking Fluids. <i>Key Engineering Materials</i> , 2017, 746, 120-125.	0.4	14
140	Correlation of Diamond Grinding Regimes with Si ₃ N ₄ -Ceramic Surface Quality. <i>Refractories and Industrial Ceramics</i> , 2017, 58, 78-81.	0.2	13
141	Delamination and longitudinal cracking in multi-layered composite nano-structured coatings and their influence on cutting tool life. <i>Wear</i> , 2017, 390-391, 209-219.	1.5	79
142	Products pre-treatment and beam-assisted deposition of magnetron sputtered coatings using a closed cylindrical grid inside a planetary rotation system. <i>Surface and Coatings Technology</i> , 2017, 325, 327-332.	2.2	7
143	Correlation of Diamond Grinding Regime with Surface Condition of Ceramic Based on Zirconium Dioxide. <i>Refractories and Industrial Ceramics</i> , 2017, 57, 625-630.	0.2	9
144	A magnetron sputtering device with generation of pulsed beams of high-energy gas atoms. <i>Instruments and Experimental Techniques</i> , 2017, 60, 290-296.	0.1	5

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145	Comparative analysis of cutting properties and nature of wear of carbide cutting tools with multi-layered nano-structured and gradient coatings produced by using of various deposition methods. International Journal of Advanced Manufacturing Technology, 2017, 90, 3421-3435.	1.5	66
146	Influence of a shape of single track on deposition efficiency of 316L stainless steel powder in cold spray. Surface and Coatings Technology, 2017, 309, 951-958.	2.2	58
147	Nano-scale multi-layered coatings for improved efficiency of ceramic cutting tools. International Journal of Advanced Manufacturing Technology, 2017, 90, 27-43.	1.5	61
148	Selective laser melting of fused silica: Interdependent heat transfer and powder consolidation. International Journal of Heat and Mass Transfer, 2017, 104, 665-674.	2.5	38
149	Level of Yâ€TZP-Ceramic Specimen Edge Defects After Diamond Machining. Refractories and Industrial Ceramics, 2017, 58, 415-417.	0.2	5
150	Influence of hydrogen on the thermoelectric voltage signal in a Pt/WO _x /6H-SiC/Ni/Pt layered structure. Technical Physics Letters, 2017, 43, 790-793.	0.2	1
151	Correlation of Diamond Grinding Regimes with SiSiC-Ceramic Surface Condition. Refractories and Industrial Ceramics, 2017, 58, 214-219.	0.2	9
152	Activation of electrocatalytic properties of a-C films by doping with MoSe _x clusters. Journal of Physics: Conference Series, 2017, 941, 012065.	0.3	0
153	A new method for production of titanium vapor and synthesis of titanium nitride coatings. Mechanics and Industry, 2017, 18, 709.	0.5	2
154	Current state of the development of MSTU â€œSTANKINâ€ and department of High-Efficiency Processing Technologies of Materials. Mechanics and Industry, 2017, 18, 701.	0.5	0
155	Structure, morphology and electrocatalytic properties of WO _x thin films prepared by reactive pulsed laser deposition. Journal of Physics: Conference Series, 2017, 941, 012062.	0.3	2
156	Comprehensive analysis of internal and surface defects of ceramics. MATEC Web of Conferences, 2016, 65, 02004.	0.1	1
157	Electroelastic model of dry friction: Macroscopic approach. Journal of Friction and Wear, 2016, 37, 221-229.	0.1	0
158	Metalanguage of Normal Forms of Knowledge. Cybernetics and Systems Analysis, 2016, 52, 839-848.	0.4	9
159	Study of wire tool-electrode behavior during electrical discharge machining by vibroacoustic monitoring. Mechanics and Industry, 2016, 17, 717.	0.5	15
160	A sphericity measurement method based on the minimum measuring zone. AIP Conference Proceedings, 2016, , .	0.3	2
161	Moscow State University of Technology STANKIN: Advanced scientific studies and research in Mechanical Engineering. Mechanics and Industry, 2016, 17, 701.	0.5	0
162	Study of cutting properties and wear pattern of carbide tools with comprehensive chemical-thermal treatment and nano-structured/gradient wear-resistant coatings. Mechanics and Industry, 2016, 17, 702.	0.5	7

#	ARTICLE	IF	CITATIONS
163	Multilayer composite nanoscale coatings as a method to increase reliability and tool life of cutting tools made of mixed ceramic Al ₂ O ₃ -TiC. Mechanics and Industry, 2016, 17, 704.	0.5	7
164	Methodology of formation of multi-layered coatings for carbide cutting tools. Mechanics and Industry, 2016, 17, 706.	0.5	12
165	Cutting ceramic inserts: the influence of abrasive machining and surface coatings on the operational characteristics. Mechanics and Industry, 2016, 17, 705.	0.5	3
166	Influence of the synthesis conditions of gold nanoparticles on the structure and architectonics of dipeptide composites. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	6
167	Formation of thin catalytic WSe _x layer on graphite electrodes for activation of hydrogen evolution reaction in aqueous acid. Inorganic Materials: Applied Research, 2016, 7, 285-291.	0.1	9
168	Tungsten-oxide thin films for a high-temperature semiconductor hydrogen detector based on a 6H-SiC crystal. Journal of Surface Investigation, 2016, 10, 652-657.	0.1	2
169	Controlling the parameters of ion bombardment in preparing solid-lubrication coatings with improved properties. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 161-165.	0.1	0
170	Surface modification of diamond-like carbon coatings to control over run-in processes in friction pair. Journal of Friction and Wear, 2016, 37, 7-14.	0.1	2
171	The formation of a hybrid structure from tungsten selenide and oxide plates for a hydrogen-evolution electrocatalyst. Technical Physics Letters, 2016, 42, 555-558.	0.2	21
172	Use of laser ablation for formation of discontinuous (discrete) wear-resistant coatings formed on solid carbide cutting tool by electron beam alloying and vacuum-arc deposition. Mechanics and Industry, 2016, 17, 720.	0.5	28
173	Regulation of nanoparticle impact on the growth of MoSe _x films during pulsed laser evaporation of MoSe ₂ target. Journal of Physics: Conference Series, 2016, 747, 012045.	0.3	1
174	Structural and electrochemical properties of W-Se-O layers prepared by pulsed laser pre-deposition and thermal posttreatment. Journal of Physics: Conference Series, 2016, 747, 012046.	0.3	0
175	An ARM-based Multi-channel CNC Solution for Multi-tasking Turning and Milling Machines. Procedia CIRP, 2016, 46, 525-528.	1.0	57
176	Optimization of Parameters of Laser Surfacing of Alloys of the Al-Si System. Metal Science and Heat Treatment, 2016, 57, 589-595.	0.2	7
177	Crack-free selective laser melting of silica glass: single beads and monolayers on the substrate of the same material. International Journal of Advanced Manufacturing Technology, 2016, 85, 1461-1469.	1.5	50
178	The Control Platform for Decomposition and Synthesis of Specialized CNC Systems. Procedia CIRP, 2016, 41, 858-863.	1.0	89
179	Possibilities of the Technology of Additive Production for Making Complex-Shape Parts and Depositing Functional Coatings from Metallic Powders. Metal Science and Heat Treatment, 2016, 57, 579-584.	0.2	16
180	Parametric analysis of SLM using comprehensive optical monitoring. Rapid Prototyping Journal, 2016, 22, 40-50.	1.6	23

#	ARTICLE	IF	CITATIONS
181	Effect of Thermal Loading on Stresses in Defective Surface Layer of Ceramics. Applied Mechanics and Materials, 2016, 827, 189-192.	0.2	13
182	Comparative studies of monoclinic and orthorhombic WO ₃ films used for hydrogen sensor fabrication on SiC crystal. Journal of Physics: Conference Series, 2016, 747, 012050.	0.3	5
183	Investigation of force parameters acting on a single cutting insert made of ceramics in face milling of hardened steel. Mechanics and Industry, 2015, 16, 702.	0.5	4
184	Tool material surface alloying by wide-aperture low-energy high-current electron beam treatment before wear-resistant coating. Mechanics and Industry, 2015, 16, 708.	0.5	7
185	Surface hardening by means of plasma immersion ion implantation and nitriding in glow discharge with electrostatic confinement of electrons. Mechanics and Industry, 2015, 16, 711.	0.5	9
186	Deposition of wear-resistant coatings using a combined source of metal atoms and fast gas molecules. Mechanics and Industry, 2015, 16, 705.	0.5	7
187	Wear of replaceable indexable inserts made of mixed cutting ceramics CC650 as a function of force parameters of steel ShKh15 face milling. Journal of Friction and Wear, 2015, 36, 521-527.	0.1	5
188	Combined vacuum plasma surface treatment for increase of durability of face milling cutters from high-speed steel. Materialwissenschaft Und Werkstofftechnik, 2015, 46, 10-15.	0.5	3
189	Simulation of thermal fields using different types of wide burnishing. IOP Conference Series: Materials Science and Engineering, 2015, 91, 012034.	0.3	6
190	Aspects of thermal field by wide burnishing. IOP Conference Series: Materials Science and Engineering, 2015, 91, 012035.	0.3	4
191	Control of structure of WSe _x /C nanocoatings synthesized via pulsed laser deposition. Inorganic Materials: Applied Research, 2015, 6, 143-150.	0.1	2
192	Surface Defects Formation in Grinding of Silicon Nitride Ceramics. Applied Mechanics and Materials, 2015, 752-753, 402-406.	0.2	26
193	Role of electrostatic and magnetic electron confinement in a hollow-cathode glow discharge in a nonuniform magnetic field. Plasma Physics Reports, 2015, 41, 188-197.	0.3	10
194	Chemical composition, structure and light reflectance of WSe and WSe ₂ /C films prepared by pulsed laser deposition in rare and reactive buffer gases. Vacuum, 2015, 119, 19-29.	1.6	7
195	Nanostructured catalyst for hydrogen electrochemical reduction based on molybdenum diselenide thin films. Technical Physics Letters, 2015, 41, 231-234.	0.2	4
196	Role of the thermal factor in the wear mechanism of ceramic tools. Part 2: Microlevel. Journal of Friction and Wear, 2015, 36, 40-44.	0.1	78
197	Pulsed laser deposition of nanocomposite MoSe ₂ /Mo thin-film catalysts for hydrogen evolution reaction. Thin Solid Films, 2015, 592, 175-181.	0.8	29
198	Laser post annealing of cold-sprayed Al/alumina-Ni composite coatings. Surface and Coatings Technology, 2015, 271, 265-268.	2.2	16

#	ARTICLE	IF	CITATIONS
199	Solidification behaviour during laser microcladding of Al-Si alloys. <i>Surface and Coatings Technology</i> , 2015, 268, 303-309.	2.2	21
200	85th anniversary of Moscow State University of Technology – STANKIN. <i>Mechanics and Industry</i> , 2015, 16, 701.	0.5	0
201	Application of laser surface engineering to solve tribological problems. <i>Journal of Friction and Wear</i> , 2014, 35, 470-476.	0.1	9
202	Creep-Feed Grinding: An Overview of Kinematics, Parameters and Effects on Process Efficiency. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2014, 60, 213-220.	0.6	22
203	Modification of the chemical composition, morphology, and antireflection properties of WSe _x films formed by pulsed laser deposition. <i>Technical Physics Letters</i> , 2014, 40, 793-796.	0.2	1
204	Effect of energy fluence and Ti/W co-deposition on the structural, mechanical and tribological characteristics of diamond-like carbon coatings obtained by pulsed Nd:YAG laser deposition on a steel substrate. <i>Surface and Coatings Technology</i> , 2014, 259, 415-425.	2.2	9
205	Tribological characteristics of (TiZrHfVNBa)N coatings applied using the vacuum arc deposition method. <i>Journal of Friction and Wear</i> , 2014, 35, 359-364.	0.1	67
206	The role of the thermal factor in the wear mechanism of ceramic tools: Part 1. Macrolevel. <i>Journal of Friction and Wear</i> , 2014, 35, 505-510.	0.1	75
207	Microcladding of hypereutectic Al-Si alloys: technological aspects and structure features. <i>International Journal of Cast Metals Research</i> , 2014, 27, 357-361.	0.5	7
208	The Friction Force Determination of Large-Sized Composite Rods in Pultrusion. <i>Applied Composite Materials</i> , 2014, 21, 651-659.	1.3	11
209	Influence of powder injection point position on efficiency of powder preheating in cold spray: Numerical study. <i>Surface and Coatings Technology</i> , 2014, 242, 226-231.	2.2	26
210	Structure and tribological behavior of nanocomposite C-Ti-WSe _x coatings. <i>Journal of Friction and Wear</i> , 2014, 35, 263-269.	0.1	4
211	On the features of hydrogen detection by a semiconductor structure grown on a 6H-SiC substrate by the combined method of platinum ion implantation and deposition. <i>Semiconductors</i> , 2014, 48, 602-611.	0.2	0
212	Tribological properties of gradient Mo-Se-Ni-C thin films obtained by pulsed laser deposition in standard and shadow mask configurations. <i>Thin Solid Films</i> , 2014, 556, 35-43.	0.8	23
213	Research and Development of a Cross-platform CNC Kernel for Multi-axis Machine Tool. <i>Procedia CIRP</i> , 2014, 14, 517-522.	1.0	82
214	Nano-scale Multilayered Composite Coatings for Cutting Tools Operating under Heavy Cutting Conditions. <i>Procedia CIRP</i> , 2014, 14, 239-244.	1.0	70
215	Technological Capital: A Criterion of Innovative Development and an Object of Transfer in the Modern Economy. <i>Procedia CIRP</i> , 2014, 20, 56-61.	1.0	13
216	Contemporary state and outlook for development of metrological assurance in the machine-building industry. <i>Measurement Techniques</i> , 2013, 55, 1311-1315.	0.2	58

#	ARTICLE	IF	CITATIONS
217	Experimental study and modeling of laser plasma ion implantation for WSe _x /57Fe interface modification. Applied Surface Science, 2013, 276, 242-248.	3.1	5
218	On the mechanism of encapsulated particle formation during pulsed laser deposition of WSe _x thin-film coatings. Technical Physics Letters, 2013, 39, 312-315.	0.2	18
219	Parameters of the Gas-Powder Supersonic Jet in Cold Spraying Using a Mask. Journal of Thermal Spray Technology, 2013, 22, 551-556.	1.6	27
220	Modelling Complex Production Processes in Aerospace Industry based on Dimensional Analysis. Procedia CIRP, 2013, 7, 473-478.	1.0	15
221	Development of Wear-resistant Complex for High-speed Steel Tool when Using Process of Combined Cathodic Vacuum Arc Deposition. Procedia CIRP, 2013, 9, 8-12.	1.0	76
222	A high-temperature hydrogen detector with Pt/Pt+/n-6H-SiC structure. Technical Physics Letters, 2013, 39, 834-837.	0.2	1
223	Structural modification and tribological behavior improvement of solid lubricating WSe _x coatings during pulsed laser deposition in buffer He-Gas. Journal of Friction and Wear, 2013, 34, 262-269.	0.1	3
224	An Analytic Definition of the Border Polymerization Line for Axisymmetric Composite Rods. Applied Composite Materials, 2013, 20, 1055-1064.	1.3	6
225	Development and Research of Environmentally Friendly Dry Technological Machining System with Compensation of Physical Function of Cutting Fluids. Procedia CIRP, 2013, 7, 311-316.	1.0	54
226	Shadow masked pulsed laser deposition of WSe _x films: Experiment and modeling. Applied Surface Science, 2013, 282, 607-614.	3.1	29
227	Velocity of the Particles Accelerated by a Cold Spray Micronozzle: Experimental Measurements and Numerical Simulation. Journal of Thermal Spray Technology, 2013, 22, 75-80.	1.6	58
228	Definition of brightness temperature and restoration of true temperature in laser cladding using infrared camera. Surface and Coatings Technology, 2013, 220, 244-247.	2.2	99
229	Gas discharge source of metal vapor and fast gas atoms. Instruments and Experimental Techniques, 2013, 56, 358-364.	0.1	11
230	Advanced CNC Programming Methods for Multi-Axis Precision Machining. Key Engineering Materials, 2013, 581, 478-484.	0.4	2
231	Tool Life and Wear Mechanism of Coated Si ₃ N ₄ Ceramic Tools in Turning Grey Cast Iron. Key Engineering Materials, 2013, 581, 14-17.	0.4	13
232	Development of residual cutting tool life prediction algorithm by processing on CNC machine tool. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 790-796.	0.5	90
233	Methods of increasing the productivity of precision batch proportioning of granular materials. Measurement Techniques, 2012, 55, 643-647.	0.2	1
234	The problems of metrological support for the preparation of production in machine construction. Measurement Techniques, 2012, 55, 526-529.	0.2	16

#	ARTICLE	IF	CITATIONS
235	Modulation interference microscope as a tool for measuring the linear dimensions of nanostructures. <i>Measurement Techniques</i> , 2012, 55, 542-545.	0.2	0
236	Speckle interferometer for measuring radial shifts. <i>Measurement Techniques</i> , 2012, 55, 546-550.	0.2	2
237	Control of parameters of the cutting process on the basis of diagnostics of the machine tool and workpiece. <i>Measurement Techniques</i> , 2012, 55, 555-558.	0.2	97
238	Experimental and numerical study of the chemical composition of WSe thin films obtained by pulsed laser deposition in vacuum and in a buffer gas atmosphere. <i>Applied Surface Science</i> , 2012, 258, 7000-7007.	3.1	59
239	Advanced Method of NC Programming for 5-Axis Machining. <i>Procedia CIRP</i> , 2012, 1, 102-107.	1.0	10
240	Scalable Open Cross-Platform Kernel of PCNC System for Multi-Axis Machine Tool. <i>Procedia CIRP</i> , 2012, 1, 238-243.	1.0	56
241	Cutting Tools Made of Layered Composite Ceramics with Nano-Scale Multilayered Coatings. <i>Procedia CIRP</i> , 2012, 1, 301-306.	1.0	63
242	Diagnostic Systems as Basis for Technological Improvement. <i>Procedia CIRP</i> , 2012, 1, 599-604.	1.0	95
243	Pulsed laser deposition of composite MoSeNiC coatings using standard and shadow mask configuration. <i>Surface and Coatings Technology</i> , 2012, 206, 5046-5054.	2.2	60
244	Structure and mechanical properties of WSeC/diamond-like carbon and WSe/diamond-like carbon bi-layer coatings prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2012, 520, 6476-6483.	0.8	61
245	Effect of high-voltage pulses on the structure and properties of titanium nitride vacuum-arc coatings. <i>Metal Science and Heat Treatment</i> , 2012, 54, 195-203.	0.2	46
246	Specific features of ion-initiated processes during pulsed laser deposition of MoSe ₂ coatings in pulsed electric fields. <i>Technical Physics Letters</i> , 2012, 38, 683-686.	0.2	17
247	Dependence of mechanical and tribological properties of diamond-like carbon coatings on laser deposition conditions and alloying by metals. <i>Journal of Friction and Wear</i> , 2012, 33, 253-259.	0.1	13
248	Optical Monitoring in Laser Cladding of Ti6Al4V. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 1357-1362.	1.6	66
249	Modification of the structure and properties of high-speed steel by combined vacuum-plasma treatment. <i>Metal Science and Heat Treatment</i> , 2012, 54, 8-12.	0.2	64
250	A study of the process of continuous forming of nanocrystalline composite powders. <i>Metal Science and Heat Treatment</i> , 2012, 54, 13-16.	0.2	5
251	A study of the quality of preforms from iron-base powders produced by forming combined with sintering by electric current pulses. <i>Metal Science and Heat Treatment</i> , 2012, 54, 17-21.	0.2	7
252	Vacuum-arc multilayer nanostructured TiN/Ti coatings: structure, stress state, properties. <i>Metal Science and Heat Treatment</i> , 2012, 54, 28-33.	0.2	61

#	ARTICLE	IF	CITATIONS
253	Features of micro-and nanostructures of Au &Ni alloys obtained on nickel due to different modes of pulse laser alloying. <i>Metal Science and Heat Treatment</i> , 2012, 54, 34-40.	0.2	8
254	Broad beam sources of fast molecules with segmented cold cathodes and emissive grids. <i>Instruments and Experimental Techniques</i> , 2012, 55, 122-130.	0.1	62
255	Characteristics of a fast neutral atom source with electrons injected into the source through its emissive grid from the vacuum chamber. <i>Instruments and Experimental Techniques</i> , 2012, 55, 288-293.	0.1	60
256	Properties of tungsten oxide thin films formed by ion-plasma and laser deposition methods for MOSiC-based hydrogen sensors. <i>Semiconductors</i> , 2012, 46, 401-409.	0.2	20
257	Deformation behavior of root dentin under SjÄrgren's syndrome. <i>Materials Letters</i> , 2011, 65, 2435-2438.	1.3	11
258	Glow discharge with electrostatic confinement of electrons in a chamber bombarded by fast electrons. <i>Plasma Physics Reports</i> , 2011, 37, 628-637.	0.3	62
259	Study of the triboengineering characteristics of ultradispersed composite powder materials. <i>Journal of Friction and Wear</i> , 2011, 32, 164-166.	0.1	13
260	Measurement problems in technological shaping processes. <i>Measurement Techniques</i> , 2011, 54, 744-749.	0.2	85
261	Cutting Tools Nitriding in Plasma Produced by a Fast Neutral Molecule Beam. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 08JG04.	0.8	32
262	Cutting Tools Nitriding in Plasma Produced by a Fast Neutral Molecule Beam. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 08JG04.	0.8	37
263	Broad beam source of fast atoms produced as a result of charge exchange collisions of ions accelerated between two plasmas. <i>Instruments and Experimental Techniques</i> , 2009, 52, 602-608.	0.1	63
264	A compact vapor source of conductive target material sputtered by 3-keV ions at 0.05-Pa pressure. <i>Instruments and Experimental Techniques</i> , 2009, 52, 731-737.	0.1	54
265	Filling the vacuum chamber of a technological system with homogeneous plasma using a stationary glow discharge. <i>Plasma Physics Reports</i> , 2009, 35, 1058-1067.	0.3	58
266	Broad fast neutral molecule beam sources for industrial-scale beam-assisted deposition. <i>Surface and Coatings Technology</i> , 2002, 156, 44-49.	2.2	61
267	Improving the Efficiency of the Cutting Tool Made of Ceramic when Machining Hardened Steel by Applying Nano-Dispersed Multi-Layered Coatings <sup>g></sup>. <i>Key Engineering Materials</i> , 0, 581, 68-73.	0.4	67
268	Milling of Dielectric Ceramics by Fast Argon Atoms. <i>Key Engineering Materials</i> , 0, 723, 329-334.	0.4	0
269	New Method for Synthesis of Hard Coatings Using Pulsed Bombardment with High-Energy Gas Atoms. <i>Materials Science Forum</i> , 0, 876, 14-24.	0.3	0
270	Optimization of Processing Conditions on the Wire Electric Discharge Machining by the Parameters of Vibro-Acoustic Signal. <i>Materials Science Forum</i> , 0, 876, 36-42.	0.3	1

#	ARTICLE	IF	CITATIONS
271	Features of Vibro-Acoustic Monitoring EDM of Conductive Ceramics. Materials Science Forum, 0, 876, 8-13.	0.3	1
272	Applications of Multi-Level Method of Stress-Strain State Analysis in Ceramic Tools Design. Applied Mechanics and Materials, 0, 827, 173-176.	0.2	10
273	Testing of External Cylindrical Surfaces of Car Parts after Wide Burnishing Processing. Key Engineering Materials, 0, 746, 126-131.	0.4	6
274	Technological Parameters Forming the Surface Texture in Hyper Productive Surface Plastic Deformation Processing. Key Engineering Materials, 0, 746, 114-119.	0.4	13
275	Wear Mechanism and Failure of Carbide Cutting Tools with Nanostructured Multilayered Composite Coatings. , 0, , .		0
276	Delamination and Longitudinal Cracking in Multilayered Composite Nanostructured Coatings and Their Influence on Cutting Tool Wear Mechanism and Tool Life. , 0, , .		0
277	The Effect of Elemental Composition and Nanostructure of Multilayer Composite Coatings on Their Tribological Properties at Elevated Temperatures. , 0, , .		0
278	Nanostructured Multilayer Composite Coatings for Cutting Tools. , 0, , .		1
279	Comprehensive Optical Monitoring of Selective Laser Melting. Journal of Laser Micro Nanoengineering, 0, , .	0.4	62
280	Protective and Thermophysical Characteristics of Plasma-Electrolytic Coatings on the Ultra-Light Magnesium Alloy. Journal of Engineering Materials and Technology, Transactions of the ASME, 0, , 1-15.	0.8	5