

Leszek A Dobrzanski

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226
papers

2,691
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246
ext. papers

2,970
ext. citations

3.4
avg, IF

5.43
L-index

#	Paper	IF	Citations
226	Laser surface treatment of multicrystalline silicon for enhancing optical properties. <i>Journal of Materials Processing Technology</i> , 2008 , 201, 291-296	5.3	85
225	Study of selected properties of magnesium alloy AZ91 after heat treatment and forming. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 466-471	5.3	60
224	Modelling of CCT diagrams for engineering and constructional steels. <i>Journal of Materials Processing Technology</i> , 2007 , 192-193, 504-510	5.3	56
223	Structure and properties of magnesium cast alloys. <i>Journal of Materials Processing Technology</i> , 2007 , 192-193, 567-574	5.3	54
222	Tribological properties of the PVD and CVD coatings deposited onto the nitride tool ceramics. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 179-185	5.3	52
221	The structure and properties of PM composite materials based on EN AW-2124 aluminum alloy reinforced with the BN or Al ₂ O ₃ ceramic particles. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 186-191	5.3	46
220	Laser processing of multicrystalline silicon for texturization of solar cells. <i>Journal of Materials Processing Technology</i> , 2007 , 191, 228-231	5.3	45
219	Corrosion resistance of multilayer coatings deposited by PVD techniques onto the brass substrate. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 816-821	5.3	44
218	Structure, properties and corrosion resistance of PM composite materials based on EN AW-2124 aluminum alloy reinforced with the Al ₂ O ₃ ceramic particles. <i>Journal of Materials Processing Technology</i> , 2005 , 162-163, 27-32	5.3	38
217	Effect of cooling rate on the solidification behavior of AC AlSi7Cu2 alloy. <i>Journal of Materials Processing Technology</i> , 2007 , 191, 317-320	5.3	37
216	Structure and properties of the TiN and Ti(C,N) coatings deposited in the PVD process on high-speed steels. <i>Journal of Materials Processing Technology</i> , 2003 , 133, 50-62	5.3	34
215	Structure and properties of PVD and CVD coated Al ₂ O ₃ +TiC mixed oxide tool ceramics for dry on high speed cutting processes. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 822-831	5.3	34
214	Significance of materials science for the future development of societies. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 133-148	5.3	33
213	Defects and prevention in ceramic components fabricated by inkjet printing. <i>Journal of Materials Processing Technology</i> , 2004 , 155-156, 1286-1292	5.3	33
212	Improvement of wear resistance of hot work steels by PVD coatings deposition. <i>Journal of Materials Processing Technology</i> , 2004 , 155-156, 1995-2001	5.3	33
211	Structure and properties of the multi-component TiAlSiN coatings obtained in the PVD process in the nitride tool ceramics. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 331-340	5.3	32
210	The influence of cast method and anodizing parameters on structure and layer thickness of aluminium alloys. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 718-723	5.3	31

209	Thermo-mechanical treatment of Fe-Mn-(Al, Si) TRIP/TWIP steels. <i>Archives of Civil and Mechanical Engineering</i> , 2012 , 12, 299-304	3-4	30
208	Effect of thermal treatment on structure of newly developed 47CrMoWVTiCeZr16-26-8 hot-work tool steel. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 472-484	5-3	26
207	Erosion resistance and tribological properties of coatings deposited by reactive magnetron sputtering method onto the brass substrate. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 317-323	5-3	26
206	Melting and crystallization behaviour of W-V-Si high-speed steels. <i>Steel Research = Archiv Für Das Eisenhüttenwesen</i> , 1986 , 57, 37-45		26
205	Sintering in different atmospheres of T15 and M2 high speed steels produced by a modified metal injection moulding process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 366, 318-324	5-3	25
204	New possibilities of composite materials application Materials of specific magnetic properties. <i>Journal of Materials Processing Technology</i> , 2007 , 191, 352-355	5-3	24
203	Structure and mechanical properties of gradient PVD coatings. <i>Journal of Materials Processing Technology</i> , 2008 , 201, 310-314	5-3	24
202	Properties of vacuum sintered duplex stainless steels. <i>Journal of Materials Processing Technology</i> , 2005 , 162-163, 286-292	5-3	24
201	Cutting properties of the Al ₂ O ₃ +SiC(w) based tool ceramic reinforced with the PVD and CVD wear resistant coatings. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 924-929	5-3	24
200	Structure and properties of laser alloyed surface layers on the hot-work tool steel. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 45-54	5-3	23
199	Comparison of the structure and properties of the PVD and CVD coatings deposited on nitride tool ceramics. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 832-842	5-3	23
198	Structure and properties of wear resistance PVD coatings deposited onto X37CrMoV5-1 type hot work steel. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 843-849	5-3	23
197	Predictive sensor guided robotic manipulators in automated welding cells. <i>Journal of Materials Processing Technology</i> , 2001 , 109, 13-19	5-3	23
196	Dentistry 4.0 Concept in the Design and Manufacturing of Prosthetic Dental Restorations. <i>Processes</i> , 2020 , 8, 525	2-9	23
195	Phases and Structure Characteristics of the Near Eutectic Al-Sl-Cu Alloy Using Derivative Thermo Analysis. <i>Materials Science Forum</i> , 2010 , 638-642, 475-480	0-4	22
194	High-speed steels with addition of niobium or titanium. <i>Journal of Materials Processing Technology</i> , 1997 , 63, 531-541	5-3	22
193	The study of properties of Ni-W ₂ C and Co-W ₂ C powders thermal sprayed deposits. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1068-1073	5-3	22
192	Application of a neural network in modelling of hardenability of constructional steels. <i>Journal of Materials Processing Technology</i> , 1998 , 78, 59-66	5-3	21

191	Comparison of the surface alloying of the 32CrMoV12-28 tool steel using TiC and WC powder. <i>Journal of Materials Processing Technology</i> , 2007 , 191, 321-325	5.3	21
190	The study of the technology of laser and plasma surfacing of engine valves face made of X40CrSiMo10-2 steel using cobalt-based powders. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 251-256	5.3	21
189	Structure and mechanical properties of gradient coatings deposited by PVD technology onto the X40CrMoV5-1 steel substrate. <i>Journal of Materials Science</i> , 2008 , 43, 3400-3407	4.3	20
188	Microstructure Evolution of C-Mn-Si-Al-Nb High-Manganese Steel during the Thermomechanical Processing. <i>Materials Science Forum</i> , 2010 , 638-642, 3224-3229	0.4	19
187	Metal injection moulding of HS12-1-5-5 high-speed steel using a PW-HDPE based binder. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 173-178	5.3	19
186	Wear of PVD-coated solid carbide end mills in dry high-speed cutting. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 422-426	5.3	19
185	Application of neural networks for the prediction of continuous cooling transformation diagrams. <i>Computational Materials Science</i> , 2004 , 30, 251-259	3.2	19
184	Methodology of the mechanical properties prediction for the metallurgical products from the engineering steels using the Artificial Intelligence methods. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1500-1509	5.3	19
183	Properties of composite materials with polymer matrix reinforced with NdFeB hard magnetic particles. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 149-156	5.3	18
182	Properties of the wear resistant coatings deposited on the cemented carbides substrates in the cathodic arc evaporation process. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 341-347	5.3	18
181	Application of neural networks for prediction of critical values of temperatures and time of the supercooled austenite transformations. <i>Journal of Materials Processing Technology</i> , 2004 , 155-156, 1950-1955	5.3	18
180	Alloying the X40CrMoV5-1 steel surface layer with tungsten carbide by the use of a high power diode laser. <i>Applied Surface Science</i> , 2005 , 247, 328-332	6.7	18
179	Abrasion resistance of GMA metal cored wires surfaced deposits. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1056-1061	5.3	18
178	Hot-Rolling of Advanced High-Manganese C-Mn-Si-Al Steels. <i>Materials Science Forum</i> , 2012 , 706-709, 2053-2058	0.4	17
177	Corrosion resistance of sintered duplex stainless steels in the salt fog spray test. <i>Journal of Materials Processing Technology</i> , 2007 , 192-193, 443-448	5.3	17
176	Structure and properties of composite materials with polymer matrix reinforced NdFeB hard magnetic nanostructured particles. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 650-657	5.3	17
175	Structure and properties of the Si ₃ N ₄ nitride ceramics with hard wear resistant coatings. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 388-393	5.3	17
174	Computer aided classification of flaws occurred during casting of aluminum. <i>Journal of Materials Processing Technology</i> , 2005 , 167, 456-462	5.3	17

173	The structure and functional properties of PVD and CVD coated Al ₂ O ₃ +ZrO ₂ oxide tool ceramics. <i>Journal of Materials Processing Technology</i> , 2005 , 167, 438-446	5.3	17
172	Graphene-based layers deposited onto flexible substrates: Used in dye-sensitized solar cells as counter electrodes. <i>Applied Surface Science</i> , 2017 , 424, 157-163	6.7	16
171	Influence of Aluminium Content on Behaviour of Magnesium Cast Alloys in Bentonite Sand Mould. <i>Solid State Phenomena</i> , 2009 , 147-149, 764-769	0.4	16
170	The structure and properties of W/Mo/V high-speed steels with increased contents of Si and Nb after heat treatment. <i>Journal of Materials Processing Technology</i> , 1998 , 77, 180-193	5.3	16
169	Influence of Heat Treatment on Structure and Properties of the Cast Magnesium Alloys. <i>Advanced Materials Research</i> , 2006 , 15-17, 491-496	0.5	16
168	Influence of hot-working conditions on a structure of X11MnSiAl17-1-3 steel for automotive industry. <i>International Journal of Materials and Product Technology</i> , 2015 , 51, 264	1	15
167	Selective Laser Sintering And Melting Of Pristine Titanium And Titanium Ti6Al4V Alloy Powders And Selection Of Chemical Environment For Etching Of Such Materials. <i>Archives of Metallurgy and Materials</i> , 2015 , 60, 2039-2046		15
166	Characterization and properties of PVD coatings applied to extrusion dies. <i>Vacuum</i> , 2012 , 86, 2082-2088	3.7	15
165	Corrosion behavior of vacuum sintered duplex stainless steels. <i>Journal of Materials Processing Technology</i> , 2007 , 191, 161-164	5.3	15
164	Application of neural networks to forecasting the CCT diagrams. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 107-113	5.3	15
163	The modelling of hardenability using neural networks. <i>Journal of Materials Processing Technology</i> , 1999 , 92-93, 8-14	5.3	15
162	Hot-Working Behaviour of Advanced High-Manganese C-Mn-Si-Al Steels. <i>Materials Science Forum</i> , 2010 , 654-656, 266-269	0.4	14
161	Applications of the artificial intelligence methods for modeling of the ACAlSi7Cu alloy crystallization process. <i>Journal of Materials Processing Technology</i> , 2007 , 192-193, 582-587	5.3	14
160	Prototype of an expert system for selection of coatings for metals. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 163-172	5.3	14
159	Structure, chemical and phase compositions of coatings deposited by reactive magnetron sputtering onto the brass substrate. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 380-387	5.3	14
158	Properties of the multi-layer Ti/CrN and Ti/TiAlN coatings deposited with the PVD technique onto the brass substrate. <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 832-837	5.3	14
157	Comparison of the structures of the hot-work tool steels laser modified surface layers. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1014-1024	5.3	14
156	The influence of 5% cobalt addition on structure and working properties of the 9-2-2-5, 11-2-2-5 and 11-0-2-5 high-speed steels. <i>Journal of Materials Processing Technology</i> , 2001 , 109, 52-64	5.3	14

155	Comparison of the thermal fatigue resistance and structure of the 47CrMoWVTiCeZr16-26-8 hot-work tool steel with X40CrMoV5-1 type one. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 527-538	5.3	14
154	Why Are Carbon-Based Materials Important in Civilization Progress and Especially in the Industry 4.0 Stage of the Industrial Revolution. <i>Materials Performance and Characterization</i> , 2019 , 8, 20190145	0.5	14
153	Application Solid Laser-Sintered or Machined Ti6Al4V Alloy in Manufacturing of Dental Implants and Dental Prosthetic Restorations According to Dentistry 4.0 Concept. <i>Processes</i> , 2020 , 8, 664	2.9	13
152	Optimization of Heat Treatment Conditions of Magnesium Cast Alloys. <i>Materials Science Forum</i> , 2010 , 638-642, 1488-1493	0.4	13
151	Comparison of hardenability calculation methods of the heat-treatable constructional steels. <i>Journal of Materials Processing Technology</i> , 1997 , 64, 117-126	5.3	13
150	Computer aided method for evaluation of failure class of materials working in creep conditions. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 102-106	5.3	13
149	Fabrication Of Scaffolds From Ti6Al4V Powders Using The Computer Aided Laser Method. <i>Archives of Metallurgy and Materials</i> , 2015 , 60, 1065-1070		12
148	Aluminium AlSi12 alloy matrix composites reinforced by mullite porous preforms. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2015 , 46, 368-376	0.9	12
147	Final Manufacturing Process of Front Side Metallisation on Silicon Solar Cells Using Conventional and Unconventional Techniques. <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2013 , 59, 175-182	1.3	12
146	Role of Ti in the W?Mo?V high-speed steels. <i>Journal of Materials Processing Technology</i> , 1997 , 64, 101-111	5.3	12
145	Microstructure and selected properties of hot-work tool steel with PVD coatings after laser surface treatment. <i>Applied Surface Science</i> , 2008 , 254, 4552-4556	6.7	12
144	Application of genetic methods in materials design. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1607-1611	5.3	12
143	Corrosion resistance of the polymer matrix hard magnetic composite materials NdFeB. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 795-804	5.3	12
142	Structure and properties of the cutting tools made from cemented carbides and cermets with the TiN+mono-, gradient- or multi(Ti, Al, Si)N+TiN nanocrystalline coatings. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 805-815	5.3	12
141	Employment of the finite element method for determining stresses in coatings obtained on high-speed steel with the PVD process. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1192-1196	5.3	12
140	Structures, properties and development trends of laser-surface-treated hot-work steels, light metal alloys and polycrystalline silicon 2015 , 3-32		11
139	Application Examples for the Different Measurement Modes of Electrical Properties of the Solar Cells. <i>Archives of Metallurgy and Materials</i> , 2014 , 59, 247-252		11
138	Structure and Properties of the Wear Resistant Coatings Obtained in the PVD and CVD Processes on Tool Ceramics. <i>Materials Science Forum</i> , 2006 , 513, 119-134	0.4	11

137	Application of neural networks for designing the chemical composition of steel with the assumed hardness after cooling from the austenitising temperature. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1637-1643	5.3	11
136	The study of properties of NiWC wires surfaced deposits. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1046-1055	5.3	11
135	A study of worn wear plates of fan blades of steel mill fumes suction system. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1062-1067	5.3	11
134	Phase transformations during heat treatment of W?Mo?V 11-2-2 type high-speed steels with increased contents of Si and Nb or Ti. <i>Journal of Materials Processing Technology</i> , 1995 , 53, 109-120	5.3	11
133	Applications of Laser Processing of Materials in Surface Engineering in the Industry 4.0 Stage of the Industrial Revolution. <i>Materials Performance and Characterization</i> , 2019 , 8, 20190203	0.5	11
132	The concept of biologically active microporous engineering materials and composite biological-engineering materials for regenerative medicine and dentistry. <i>Archives of Materials Science and Engineering</i> , 2016 , 80, 64-85	0.6	11
131	Porous Selective Laser Melted Ti and Ti6Al4V Materials for Medical Applications 2017 ,		10
130	Influence of high strain rates on the structure and mechanical properties of high-manganese austenitic TWIP-type steel. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016 , 47, 428-435	0.9	10
129	Fabrication Technologies of the Sintered Materials Including Materials for Medical and Dental Application 2017 ,		10
128	Aluminium AlMg1SiCu Matrix Composite Materials Reinforced with Halloysite Particles. <i>Archives of Metallurgy and Materials</i> , 2014 , 59, 335-338		10
127	Hard magnetic composite materials Nd-Fe-B with additions of iron and X2CrNiMo-17-12-2 steel. <i>Journal of Alloys and Compounds</i> , 2008 , 449, 88-92	5.7	10
126	Application of high power diode laser (HPDL) for alloying of X40CrMoV5-1 steel surface layer by tungsten carbides. <i>Journal of Materials Processing Technology</i> , 2004 , 155-156, 1956-1963	5.3	10
125	Soft magnetic nanocomposite with powdered metallic ribbon based on cobalt and polymer matrix. <i>Journal of Materials Processing Technology</i> , 2005 , 162-163, 20-26	5.3	10
124	The structure and properties of W-V high-speed steels with increased content of silicon. <i>Journal of Materials Processing Technology</i> , 1996 , 56, 933-944	5.3	10
123	Synthesis and Characterization of Carbon Nanotubes Decorated with Gold Nanoparticles. <i>Acta Physica Polonica A</i> , 2010 , 118, 483-486	0.6	10
122	Approach to the Design and Manufacturing of Prosthetic Dental Restorations According to the Rules of Industry 4.0. <i>Materials Performance and Characterization</i> , 2020 , 9, 20200020	0.5	10
121	Carbon Nanotubes Counter Electrode for Dye-Sensitized Solar Cells Application. <i>Archives of Metallurgy and Materials</i> , 2016 , 61, 803-806		10
120	Silicon solar cells with Al ₂ O ₃ antireflection coating. <i>Open Physics</i> , 2014 , 12,	1.3	9

119	Influence of Laser Processing on Polycrystalline Silicon Surface. <i>Materials Science Forum</i> , 2012 , 706-709, 829-834	0.4	9
118	Investigation of the structure and properties of coatings deposited on ceramic tool materials. <i>International Journal of Surface Science and Engineering</i> , 2007 , 1, 111	1	9
117	Structure and mechanical properties of HSS HS6-5-2- and HS12-1-5-5-type steel produced by modified powder injection moulding process. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 658-668	5.3	9
116	The modelling of high-speed steels properties using neural networks. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 245-249	5.3	9
115	Relationship between erosion resistance and the phase and chemical composition of PVD coatings deposited onto high-speed steel. <i>Journal of Materials Processing Technology</i> , 1999 , 92-93, 184-189	5.3	9
114	Effect of Biomedical Materials in the Implementation of a Long and Healthy Life Policy. <i>Processes</i> , 2021 , 9, 865	2.9	9
113	Carbon Nanomaterials Application as a Counter Electrode for Dye-Sensitized Solar Cells. <i>Archives of Metallurgy and Materials</i> , 2017 , 62, 27-32		8
112	The Concept of Sustainable Development of Modern Dentistry. <i>Processes</i> , 2020 , 8, 1605	2.9	8
111	The Effect of Laser Surface Treatment on Structure and Mechanical Properties Aluminium Alloy ENAC-ALMg9. <i>Archives of Metallurgy and Materials</i> , 2016 , 61, 1343-1350		8
110	One versus two implant-retained dentures: comparing biomechanics under oblique mastication forces. <i>Journal of Biomechanical Engineering</i> , 2013 , 135, 54503	2.1	8
109	Laser Alloying with WC Ceramic Powder in Hot Work Tool Steel Using a High Power Diode Laser (HPDL). <i>Advanced Materials Research</i> , 2006 , 15-17, 193-198	0.5	8
108	Structure and properties of the Ti + Ti(C,N) coatings obtained in the PVD process on sintered high speed steel. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 312-316	5.3	8
107	Fabrication methods and heat treatment conditions effect on tribological properties of high speed steels. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 324-330	5.3	8
106	Structure and properties of nanocrystalline soft magnetic composite materials with silicon polymer matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1510-1512	2.8	8
105	Designing of the chemical composition of constructional alloy steels. <i>Journal of Materials Processing Technology</i> , 1999 , 89-90, 467-472	5.3	8
104	Non-Antagonistic Contradictoriness of the Progress of Advanced Digitized Production with SARS-CoV-2 Virus Transmission in the Area of Dental Engineering. <i>Processes</i> , 2020 , 8, 1097	2.9	8
103	Composite Materials Infiltrated by Aluminium Alloys Based on Porous Skeletons from Alumina, Mullite and Titanium Produced by Powder Metallurgy Techniques 2017 ,		7
102	Effect of Milling Conditions on Microstructure and Properties of AA6061/halloysite Composites. <i>Procedia Manufacturing</i> , 2015 , 2, 402-407	1.5	7

101	Stainless Steels Sintered Form the Mixture of Prealloyed Stainless Steel and Alloying Element Powders. <i>Materials Science Forum</i> , 2011 , 672, 165-170	0.4	7
100	Effect of depositing the hard surface coatings on properties of the selected cemented carbides and tool cermets. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 304-311	5.3	7
99	Structure and properties of selected cemented carbides and cermets covered with TiN/(Ti,Al,Si)N/TiN coatings obtained by the cathodic arc evaporation process. <i>Materials Research</i> , 2005 , 8, 113-116	1.5	7
98	Structure and properties of high-speed steels with wear resistant cases or coatings. <i>Journal of Materials Processing Technology</i> , 2001 , 109, 44-51	5.3	7
97	The prototype of an expert system for the selection of high-speed steels for cutting tools. <i>Journal of Materials Processing Technology</i> , 1996 , 56, 873-881	5.3	7
96	Nanocrystalline TiO ₂ Powder Prepared by Sol-Gel Method for Dye-Sensitized Solar Cells. <i>Archives of Metallurgy and Materials</i> , 2016 , 61, 833-836		7
95	Foresight of the Surface Technology in Manufacturing 2015 , 2587-2637		7
94	Influence of laser texturization surface and atomic layer deposition on optical properties of polycrystalline silicon. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7563-7567	6.7	6
93	Structure and properties of W?Mo?V?Co 11-0-2-5 type and W?Mo?V 11-0-2 type high-speed steels. <i>Journal of Materials Processing Technology</i> , 1997 , 64, 93-99	5.3	6
92	Structure and properties of the Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ alloy powders bound with polyethylene. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 457-462	5.3	6
91	Fractal nature of surface topography and physical properties of the coatings obtained using magnetron sputtering. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 188-193	5.3	6
90	Effects of chemical composition and processing conditions on the structure and properties of high-speed steels. <i>Journal of Materials Processing Technology</i> , 1995 , 48, 727-737	5.3	6
89	A carbon-nanotubes counter electrode for flexible dye-sensitized solar cells. <i>Materiali in Tehnologije</i> , 2017 , 51, 623-629	1.6	6
88	Virtual Approach to the Comparative Analysis of Biomaterials Used in Endodontic Treatment. <i>Processes</i> , 2021 , 9, 926	2.9	6
87	Characterisation of graphene-based layers for dye-sensitised solar cells application. <i>Surface Engineering</i> , 2016 , 32, 816-822	2.6	6
86	The structure and conductivity of polyelectrolyte based on MEH-PPV and potassium iodide (KI) for dye-sensitized solar cells. <i>Open Physics</i> , 2017 , 15, 1022-1027	1.3	5
85	Transmission electron microscopy observations on phase transformations during aluminium/mullite composites formation by gas pressure infiltration. <i>Materials Characterization</i> , 2016 , 114, 9-17	3.9	5
84	Results of Technology Foresight in the Surface Engineering Area. <i>Applied Mechanics and Materials</i> , 2014 , 657, 916-920	0.3	5

83	Characterization Performance of Laser Melted Commercial Tool Steels. <i>Materials Science Forum</i> , 2010 , 654-656, 1848-1851	0.4	5
82	The Laser Surface Remelting of Austenitic Stainless Steel. <i>Materials Science Forum</i> , 2010 , 654-656, 2511-2514	0.4	5
81	Structure and Properties Investigation of a Magnesium Alloy Processed by Heat Treatment and Laser Surface Treatment. <i>Materials Science Forum</i> , 2011 , 674, 11-18	0.4	5
80	Surface Layer Properties of Sintered Ferritic Stainless Steel Remelted and Alloyed with FeNi and Ni by HPDL Laser. <i>Advanced Materials Research</i> , 2011 , 291-294, 1425-1428	0.5	5
79	Surface modification of hot work tool steel by high-power diode laser. <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 773-778	9.4	5
78	Structure of the nanocrystalline coatings obtained on the CAE process on the sintered tool materials. <i>Journal of Materials Processing Technology</i> , 2006 , 175, 157-162	5.3	5
77	Magnetic properties of high-energy milled Fe ₇₈ Si ₁₃ B ₉ nanocrystalline powders and powder-based nanocomposites. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 755-760	5.3	5
76	Magnetic properties and structure of nanocomposites of powder Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ alloy/polymer type. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 776-780	5.3	5
75	Diffusion across PVD coated cermet tool/workpiece interface. <i>Journal of Materials Processing Technology</i> , 2004 , 157-158, 427-433	5.3	5
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