

# Vaclav Ocelik

## List of Publications by Year in descending order

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160  
papers

4,425  
citations

94433

37  
h-index

118850

62  
g-index

160  
all docs

160  
docs citations

160  
times ranked

3230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of coaxial laser cladding processing conditions. Surface and Coatings Technology, 2005, 197, 127-136.	4.8	363
2	Secondary phases in Al <sub>x</sub> CoCrFeNi high-entropy alloys: An in-situ TEM heating study and thermodynamic appraisal. Acta Materialia, 2017, 131, 206-220.	7.9	292
3	Ti-6Al-4V strengthened by laser melt injection of WCp particles. Acta Materialia, 2002, 50, 4913-4924.	7.9	188
4	Thick Co-based coating on cast iron by side laser cladding: Analysis of processing conditions and coating properties. Surface and Coatings Technology, 2007, 201, 5875-5883.	4.8	170
5	Dilution effects in laser cladding of Ni-Cr-B-Si-C hardfacing alloys. Materials Letters, 2012, 84, 69-72.	2.6	140
6	SiCp/Ti6Al4V functionally graded materials produced by laser melt injection. Acta Materialia, 2002, 50, 2035-2051.	7.9	132
7	Sliding wear resistance of metal matrix composite layers prepared by high power laser. Surface and Coatings Technology, 2005, 197, 303-315.	4.8	124
8	Laser-induced periodic surface structures: Fingerprints of light localization. Physical Review B, 2012, 85, .	3.2	122
9	Additive Manufacturing of High-Entropy Alloys by Laser Processing. Jom, 2016, 68, 1810-1818.	1.9	122
10	BCC-FCC interfacial effects on plasticity and strengthening mechanisms in high entropy alloys. Acta Materialia, 2018, 157, 83-95.	7.9	113
11	Laser melt injection in aluminum alloys: on the role of the oxide skin. Acta Materialia, 2000, 48, 4225-4233.	7.9	103
12	An electron microscopy appraisal of tensile fracture in metallic glasses. Acta Materialia, 2008, 56, 1762-1773.	7.9	103
13	Microstructure and wear studies of laser clad Al-Si/SiC(p) composite coatings. Surface and Coatings Technology, 2007, 201, 9497-9505.	4.8	101
14	Microstructural characterization of AISI 431 martensitic stainless steel laser-deposited coatings. Journal of Materials Science, 2011, 46, 3405-3414.	3.7	87
15	Residual stress analysis in Co-based laser clad layers by laboratory X-rays and synchrotron diffraction techniques. Surface and Coatings Technology, 2006, 201, 533-542.	4.8	84
16	Microstructure and properties of laser clad coatings studied by orientation imaging microscopy. Acta Materialia, 2010, 58, 6763-6772.	7.9	82
17	Local Stress States and Microstructural Damage Response Associated with Deformation Twins in Hexagonal Close Packed Metals. Crystals, 2018, 8, 1.	2.2	81
18	Tribological and mechanical properties of high power laser surface-treated metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 471, 155-164.	5.6	73

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19	Size dependent plasticity and damage response in multiphase body centered cubic high entropy alloys. <i>Acta Materialia</i> , 2018, 150, 104-116.	7.9	69
20	The effect of cladding speed on phase constitution and properties of AISI 431 stainless steel laser deposited coatings. <i>Surface and Coatings Technology</i> , 2011, 205, 5235-5239.	4.8	68
21	On the geometry of coating layers formed by overlap. <i>Surface and Coatings Technology</i> , 2014, 242, 54-61.	4.8	65
22	Effects of the Alloy Composition on Phase Constitution and Properties of Laser Deposited Ni-Cr-B-Si Coatings. <i>Physics Procedia</i> , 2013, 41, 302-311.	1.2	64
23	Electron Microscopy Characterization of Ni-Cr-B-Si-C Laser Deposited Coatings. <i>Microscopy and Microanalysis</i> , 2013, 19, 120-131.	0.4	58
24	New features of the low temperature ductile shear failure observed in bulk amorphous alloys. <i>Journal of Materials Science</i> , 2000, 35, 4449-4457.	3.7	57
25	The Prediction of Coating Geometry from Main Processing Parameters in Laser Cladding. <i>Physics Procedia</i> , 2014, 56, 220-227.	1.2	57
26	Microstructure and Phase Formation in a Rapidly Solidified Laser-Deposited Ni-Cr-B-Si-C Hardfacing Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 878-892.	2.2	56
27	In-situ strain observation in high power laser cladding. <i>Surface and Coatings Technology</i> , 2009, 203, 3189-3196.	4.8	53
28	The fcc-bcc crystallographic orientation relationship in Al <sub>x</sub> CoCrFeNi high-entropy alloys. <i>Materials Letters</i> , 2016, 176, 29-32.	2.6	52
29	On the optimum resolution of transmission-electron backscattered diffraction (t-EBSD). <i>Ultramicroscopy</i> , 2016, 160, 256-264.	1.9	51
30	Modification of Cu surface with picosecond laser pulses. <i>Applied Surface Science</i> , 2014, 303, 118-124.	6.1	49
31	Elimination of Start/Stop defects in laser cladding. <i>Surface and Coatings Technology</i> , 2012, 206, 2403-2409.	4.8	46
32	Toughening mechanism for Ni-Cr-B-Si-C laser deposited coatings. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 582, 305-315.	5.6	44
33	Microstructural design of hardfacing Ni-Cr-B-Si-C alloys. <i>Acta Materialia</i> , 2013, 61, 6061-6070.	7.9	42
34	Laser engineered surfaces from glass forming alloy powder precursors: Microstructure and wear. <i>Surface and Coatings Technology</i> , 2009, 203, 1833-1843.	4.8	41
35	Microstructural characterization of Co-based coating deposited by low power pulse laser cladding. <i>Journal of Materials Science</i> , 2013, 48, 2714-2723.	3.7	40
36	On the surface topography of ultrashort laser pulse treated steel surfaces. <i>Applied Surface Science</i> , 2011, 258, 1555-1560.	6.1	37

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37	Size effects on plasticity in high-entropy alloys. <i>Journal of Materials Research</i> , 2018, 33, 3055-3076.	2.6	37
38	Microstructure of reaction zone in WCp/duplex stainless steels matrix composites processing by laser melt injection. <i>Surface and Coatings Technology</i> , 2008, 202, 2113-2120.	4.8	35
39	Wear resistance of WCp/Duplex Stainless Steel metal matrix composite layers prepared by laser melt injection. <i>Surface and Coatings Technology</i> , 2008, 202, 4758-4765.	4.8	32
40	Influence of powder particle injection velocity on the microstructure of Al <sup>12</sup> Si/SiCp coatings produced by laser cladding. <i>Surface and Coatings Technology</i> , 2009, 204, 285-290.	4.8	32
41	Effect of Ta on the microstructure and hardness of Stellite 6 coating deposited by low power pulse laser treatments. <i>Surface and Coatings Technology</i> , 2012, 213, 278-284.	4.8	31
42	Microstresses and microstructure in thick cobalt-based laser deposited coatings. <i>Surface and Coatings Technology</i> , 2007, 201, 6363-6371.	4.8	30
43	Microstructure and Properties of TiB/Ti-6Al-4V Coatings Produced With Laser Treatments. <i>Journal of Materials Engineering and Performance</i> , 2004, 13, 406-412.	2.5	29
44	A versatile model for the prediction of complex geometry in 3D direct laser deposition. <i>Surface and Coatings Technology</i> , 2016, 307, 292-300.	4.8	29
45	On the determination of local residual stress gradients by the slit milling method. <i>Journal of Materials Science</i> , 2015, 50, 3646-3655.	3.7	27
46	Anelastic deformation processes in metallic glasses and activation energy spectrum model. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 851-855.	5.6	24
47	EBSF study of reaction zone in SiC/Al metal matrix composite prepared by laser melt injection. <i>Journal of Materials Science</i> , 2001, 36, 4845-4849.	3.7	24
48	A New Methodology to Analyze Instabilities in SEM Imaging. <i>Microscopy and Microanalysis</i> , 2014, 20, 1625-1637.	0.4	21
49	Orientation Relationships in Al <sub>0.7</sub> CoCrFeNi High-Entropy Alloy. <i>Microscopy and Microanalysis</i> , 2017, 23, 905-915.	0.4	21
50	Possible local superplasticity of amorphous metallic alloys in the catastrophic shear band under low temperature ductile shear failure. <i>Scripta Materialia</i> , 1996, 35, 781-784.	5.2	20
51	Non-newtonian plastic flow of a Ni-Si-B metallic glass at low stresses. <i>Scripta Materialia</i> , 1998, 39, 1377-1382.	5.2	20
52	Fundamental and applied aspects of laser surface engineering. <i>International Journal of Materials Research</i> , 2009, 100, 1343-1360.	0.3	19
53	Measurement of spatial stress gradients near grain boundaries. <i>Scripta Materialia</i> , 2017, 136, 11-14.	5.2	19
54	Scratch test induced shear banding in high power laser remelted metallic glass layers. <i>Journal of Materials Research</i> , 2007, 22, 460-470.	2.6	18

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55	Fracture toughness of some metallic glasses. <i>Journal of Materials Science</i> , 1987, 22, 2305-2308.	3.7	17
56	Interfacial adhesion of laser clad functionally graded materials. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 342, 192-200.	5.6	17
57	Properties of High-Frequency Sub-Wavelength Ripples on Stainless Steel 304L under Ultra Short Pulse Laser Irradiation. <i>Physics Procedia</i> , 2011, 12, 99-104.	1.2	17
58	Phase formation and properties of vanadium-modified Ni-Cr-B-Si-C laser-deposited coatings. <i>Journal of Materials Science</i> , 2013, 48, 3315-3326.	3.7	17
59	Mechanical properties of amorphous alloys ribbons prepared by rapid quenching of the melt after different thermal treatments before quenching. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 887-890.	5.6	16
60	Advances in Laser Surface Engineering: Tackling the Cracking Problem in Laser-Deposited Ni-Cr-B-Si-C Alloys. <i>Jom</i> , 2013, 65, 741-748.	1.9	15
61	Nature of the surface states at the single-layer graphene/Cu(111) and graphene/polycrystalline-Cu interfaces. <i>Physical Review B</i> , 2015, 91, .	3.2	15
62	Effect of magnesium aluminum silicate glass on the thermal shock resistance of <sc>BN</sc> matrix composite ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2669-2678.	3.8	15
63	Low temperature mechanical properties of metallic glasses connection with structure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 823-832.	5.6	14
64	Foam coating on aluminum alloy with laser cladding. <i>Journal of Laser Applications</i> , 2004, 16, 79-84.	1.7	13
65	Failure crack orientation at ductile shear fracture of Fe <sub>80</sub> ~x Ni x B <sub>20</sub> metallic glass ribbons. <i>Journal of Materials Science</i> , 1990, 25, 1598-1602.	3.7	12
66	Activation energy distribution in nanocrystallization kinetics of amorphous Fe <sub>73.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> Si <sub>13.5</sub> B <sub>9</sub> alloy. <i>Scripta Materialia</i> , 1996, 35, 1301-1306.	5.2	12
67	Texture development in direct powder deposition. <i>Journal of Laser Applications</i> , 2017, 29, .	1.7	12
68	Direct spectrum analysis of anelastic deformation response during structural relaxation of amorphous metals. <i>IEEE Transactions on Magnetics</i> , 1994, 30, 496-498.	2.1	11
69	Activation energy spectra for stress-induced ordering in amorphous materials calculated using Fourier techniques. <i>Philosophical Magazine Letters</i> , 1995, 71, 257-261.	1.2	11
70	On the role of the residual stress state in product manufacturing. <i>Materials and Design</i> , 2016, 105, 375-380.	7.0	11
71	Influence of loading rate on the mechanical performance of metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 470, 160-167.	3.1	11
72	In-situ observation of crack propagation in silicon nitride ceramics. <i>Procedia Structural Integrity</i> , 2017, 7, 307-314.	0.8	11

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73	The effect of surface texture on the oxidation behaviour of polycrystalline Fe-Cr. Applied Surface Science, 2018, 459, 459-467.	6.1	11
74	Evolution of microstructure and properties in laser cladding of a Ni-Cr-B-Si hardfacing alloy. , 2011, , .		11
75	Low-temperature fracture toughness of some iron, nickel-based metallic glass ribbons. Journal of Materials Science, 1987, 22, 3732-3736.	3.7	10
76	Low temperature and strain rate dependence of fracture stress and fracture toughness on thin Fe <sub>40</sub> Ni <sub>40</sub> B <sub>20</sub> amorphous ribbon. Journal of Materials Science, 1991, 26, 6699-6705.	3.7	10
77	Local residual stress measurements on nitride layers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 476-483.	5.6	10
78	<i>In Situ</i> High-Temperature EBSD and 3D Phase Field Studies of the Austenite→Ferrite Transformation in a Medium Mn Steel. Microscopy and Microanalysis, 2019, 25, 639-655.	0.4	10
79	Spherulitic and rotational crystal growth of Quartz thin films. Scientific Reports, 2021, 11, 14888.	3.3	10
80	Crystallization of GeO <sub>2</sub> thin films into $\alpha$ -quartz: from spherulites to single crystals. Acta Materialia, 2021, 215, 117069.	7.9	10
81	Interphase boundary motion elucidated through in-situ high temperature electron back-scatter diffraction. Materials and Design, 2017, 132, 138-147.	7.0	9
82	Microstructure and Mechanical Properties of Laser Additive Manufactured H13 Tool Steel. Metals, 2022, 12, 243.	2.3	9
83	Statistical investigations of fracture demonstrations on Ni-Si-B metallic glass ribbons failed in tension at 4.2 to 300K. Journal of Materials Science Letters, 1987, 6, 1333-1335.	0.5	8
84	Isothermal strain recovery as a result of reversible structural relaxation of metallic glasses. Journal of Non-Crystalline Solids, 1998, 241, 105-112.	3.1	8
85	Structural models of the yield stress anisotropy of amorphous alloys ribbons. Journal of Non-Crystalline Solids, 1995, 192-193, 595-598.	3.1	7
86	Low Temperature Ductile Shear Failure of Zr <sub>41.2</sub> Ti <sub>13.8</sub> Ni <sub>10</sub> Cu <sub>12.5</sub> Be <sub>22</sub> and Cu <sub>50</sub> Zr <sub>35</sub> Ti <sub>8</sub> Hf <sub>5</sub> Ni <sub>2</sub> Bulk Amorphous Alloys. Materials Science Forum, 2000, 343-346, 197-202.	0.3	7
87	Non-isothermal strain recovery as a result of irreversible structural relaxation of metallic glasses. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2001, 81, 1901-1915.	0.6	7
88	Functionally Graded Materials Produced with High Power Lasers. Materials Science Forum, 2003, 426-432, 123-130.	0.3	7
89	Thick metallic coatings produced by coaxial and side laser cladding: processing and properties. , 2010, , 426-457.		7
90	Fracture toughness of amorphous Fe <sub>40</sub> Ni <sub>40</sub> B <sub>20</sub> ribbons: strain rate dependence. Journal of Materials Science Letters, 1990, 9, 529-531.	0.5	6

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91	Formation of Nanoporous Gold Studied by Transmission Electron Backscatter Diffraction. Microscopy and Microanalysis, 2015, 21, 1387-1397.	0.4	6
92	Isothermal structural relaxation of Fe <sub>40</sub> Ni <sub>40</sub> B <sub>20</sub> metallic glass in the relaxation times spectrum model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 192-196.	5.6	5
93	Title is missing!. European Physical Journal D, 2001, 51, 599-608.	0.4	5
94	Laser-induced periodic surface structures, modeling, experiments, and applications. , 2014, , .		5
95	On the bulk degradation of yttria-stabilized nanocrystalline zirconia dental implant abutments: an electron backscatter diffraction study. Journal of Materials Science: Materials in Medicine, 2017, 28, 121.	3.6	5
96	In Situ Digital Image Correlation Observations of Laser Forming. Metals, 2020, 10, 17.	2.3	5
97	Metallic laser clad coatings: on the processing-microstructure-property relationships. , 2009, , .		5
98	Stress Induced Reordering in Amorphous Metals Analyzed by Relaxation Time and Activation Energy Spectrum Model. Key Engineering Materials, 1994, 97-98, 97-102.	0.4	4
99	Analysis of reversible structural relaxation in amorphous alloys with the activation energy spectrum model. Journal of Non-Crystalline Solids, 1995, 192-193, 415-419.	3.1	4
100	Structural and Magnetic Properties of Nanocrystalline FeNiMoB Precursor. Materials Science Forum, 2001, 373-376, 237-240.	0.3	4
101	Tantalum-modified Stellite 6 thick coatings: microstructure and mechanical performance. Journal of Materials Science, 2013, 48, 140-149.	3.7	4
102	Compositional modification of Ni-base alloys for laser-deposition technologies. , 2015, , 137-162.		4
103	Ablation behavior and mechanism of boron nitride - magnesium aluminum silicate ceramic composites in an oxyacetylene combustion flame. Ceramics International, 2018, 44, 1518-1525.	4.8	4
104	Response of Ti microstructure in mechanical and laser forming processes. Journal of Materials Science, 2018, 53, 14713-14728.	3.7	4
105	EXPERIMENTAL DETERMINATION AND THEORETICAL ANALYSIS OF LOCAL RESIDUAL STRESS AT GRAIN SCALE. , 2017, , .		4
106	Antiferromagnetic Ordering and Uncoupled Spins in CaFe <sub>2</sub> O <sub>4</sub> Thin Films Probed by Spin Hall Magnetoresistance. Advanced Electronic Materials, 2022, 8, .	5.1	4
107	Amorphous Bimetal Interface as a Testing Medium for the Spatial Resolution of EDX Microanalysis. Physica Status Solidi A, 1996, 154, K1-K4.	1.7	3
108	Ductile fracture surface morphology of amorphous metallic alloys. European Physical Journal D, 2002, 52, A121-A124.	0.4	3

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109	Creep Recovery of Metallic Glass Fe-Ni-B after Longtime Stress-annealing. European Physical Journal D, 2004, 54, 129-132.	0.4	3
110	Nanoindentation Study of the Influence of the Loading Rate on the Deformation of Metallic Glasses. Key Engineering Materials, 2015, 662, 23-26.	0.4	3
111	Calibration-free quantitative surface topography reconstruction in scanning electron microscopy. Ultramicroscopy, 2015, 148, 31-41.	1.9	3
112	Thick tool steel coatings with laser cladding. WIT Transactions on Engineering Sciences, 2007, , .	0.0	3
113	The influence of processing speed on the properties of laser surface deposits. WIT Transactions on Engineering Sciences, 2015, , .	0.0	3
114	Fracture of amorphous bilayer ribbon. Materials Letters, 1991, 11, 37-39.	2.6	2
115	Non-Newtonian deformation of Co-based metallic glass at low stresses. Physics of the Solid State, 2000, 42, 697-700.	0.6	2
116	Creep strain recovery of Fe-Ni-B amorphous metallic ribbon. Open Physics, 2007, 5, .	1.7	2
117	Discontinuities of Plastic Deformation in Metallic Glasses with Different Glass Forming Ability. Physics Procedia, 2015, 75, 1265-1270.	1.2	2
118	Controlling phase separation in thermoelectric $Pb_{1-x}Ge_xTe$ to minimize thermal conductivity. Journal of Materials Chemistry A, 2021, 9, 12340-12349.	10.3	2
119	Growth and Crystallization of $SiO_2/GeO_2$ Thin Films on Si(100) Substrates. Nanomaterials, 2021, 11, 1654.	4.1	2
120	The Dynamics of the Soret Effect in Thin Film of Magnetic Fluid. Acta Physica Polonica A, 2000, 97, 875-878.	0.5	2
121	Statistical analysis of SEM image noise. WIT Transactions on Engineering Sciences, 2013, , .	0.0	2
122	Thin films of the $\alpha$ -quartz $Si_xGe_{1-x}O_2$ solid solution. Scientific Reports, 2022, 12, 2010.	3.3	2
123	Magnetic properties of nanocrystalline FeCuNb(Sb/W)SiB alloys. IEEE Transactions on Magnetics, 1994, 30, 499-501.	2.1	1
124	Influence of Thermal Treatment of Ni-P Melt on Structure of Amorphous Alloys. European Physical Journal D, 2004, 54, 133-136.	0.4	1
125	Failure of Zr <sub>50</sub> Ti <sub>16.5</sub> Cu <sub>15</sub> Ni <sub>18.5</sub> amorphous metallic ribbon. Strength of Materials, 2008, 40, 20-23.	0.5	1
126	Microstructural characterization of surface damage through ultra-short laser pulses. , 2014, , .		1



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127	Nanoindentation in Metallic Glasses with Different Plasticity. Key Engineering Materials, 0, 662, 19-22.	0.4	1
128	Crack Propagation in Metallic Glass Ribbon as a Function of the Position of Stress Concentrators. Materials Science Forum, 0, 891, 494-499.	0.3	1
129	Thick Metallic Coatings Produced by Coaxial and Side Laser Cladding: Processing and Properties. , 2018, , 413-459.		1
130	Depth Profile Analysis of Thin Oxide Layers on Polycrystalline Fe-Cr. Microscopy and Microanalysis, 2020, 26, 112-119.	0.4	1
131	THE GROWTH OF A PASSIVE FILM ON STEEL STUDIED WITH IN-SITU AFM. WIT Transactions on Engineering Sciences, 2017, , .	0.0	1
132	SURFACE DEGRADATION OF NANOCRYSTALLINE ZIRCONIA DENTAL IMPLANTS. , 2017, , .		1
133	Surface melting of copper by ultrashort laser pulses. , 2011, , .		1
134	DYNAMICS OF TEMPERING PROCESSES IN STAINLESS STEEL. , 2017, , .		1
135	Low temperature and strain rate dependence of fracture stress and fracture toughness on thin Fe40Ni40B20 amorphous ribbon. Journal of Materials Science, 1991, 26, 6699-6705.	3.7	1
136	On a Physical Nature of the Yield Stress Anisotropy of Amorphous Alloys Ribbons. Key Engineering Materials, 1995, 97-98, 91-96.	0.4	0
137	Low Temperature Ductile Shear Failure of Zr <sub>41.2</sub> Ti <sub>13.8</sub> Ni <sub>10</sub> Cu <sub>12.5</sub> Be <sub>22.5</sub> and Cu <sub>50</sub> Zr <sub>35</sub> Ti <sub>8</sub> Hf <sub>5</sub> Ni <sub>2</sub> Bulk Amorphous Alloys. Journal of Metastable and Nanocrystalline Materials. 2000, 8, 197-202.	0.1	0
138	Spectral analysis of creep recovery process in finemet type amorphous alloy. European Physical Journal D, 2002, 52, A125-A128.	0.4	0
139	Long-time stability of structure in Fe-B amorphous ribbons. European Physical Journal D, 2002, 52, A129-A132.	0.4	0
140	Creep of FINEMET Ribbons during Crystallization. European Physical Journal D, 2004, 54, 97-100.	0.4	0
141	In-situ Tensile Testing of SiCp -Al Metal Matrix Composite Produced by Laser Embedding. , 2006, , 223-228.		0
142	Microstrain Determination in Individual Grains of Laser Deposited Cladding Layers. Advanced Materials Research, 2006, 15-17, 153-158.	0.3	0
143	Microstructure and Abrasive Wear Studies of Laser Clad Al-Si/SiC Composite Coatings. Materials Science Forum, 0, 537-538, 89-95.	0.3	0
144	Laser cladding of Al-Si/SiC composite coatings: Microstructure and abrasive wear behavior. , 2007, , .		0

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145	Creep-induced structural changes in Ni-Si-B amorphous alloy. Strength of Materials, 2008, 40, 16-19.	0.5	0
146	Creep of FINEMET Alloy at Amorphous to Nanocrystalline Transition. Key Engineering Materials, 2009, 409, 373-376.	0.4	0
147	Serrated Plastic Flow of Various Metallic Glasses during Nanoindentation. Defect and Diffusion Forum, 0, 368, 3-6.	0.4	0
148	Shear Band Morphology of Indented Region in Cu-Based Metallic Glass. Materials Science Forum, 0, 891, 500-503.	0.3	0
149	EFFECT OF ANNEALING ON THE REAL STRUCTURE AND MICROSTRUCTURE OF ADVANCED LASER PROCESSED AISI H13 TOOL STEEL. Acta Polytechnica CTU Proceedings, 2018, 17, 15.	0.3	0
150	Morphology of Melt-Quenched Lead Telluride Single Crystals. ACS Applied Materials & Interfaces, 2021, 13, 6241-6248.	8.0	0
151	Microstructural and tribological observations in metallic glass forming alloy layers produced by high-power lasers. WIT Transactions on Engineering Sciences, 2007, , .	0.0	0
152	Structural Relaxation of Ni-Si-B Amorphous Ribbon. Acta Physica Polonica A, 2008, 113, 99-102.	0.5	0
153	Structural Changes in Deformed Soft Magnetic Ni-Based Metallic Glass. Acta Physica Polonica A, 2009, 115, 393-395.	0.5	0
154	Experimental approach to eliminate Start/Stop defects in laser cladding. , 2011, , .		0
155	Thickness and waviness of surface coatings formed by overlap: modelling and experiment. WIT Transactions on Engineering Sciences, 2013, , .	0.0	0
156	Mechanical and Physical Dynamic Effects under the Low Temperature Ductile Shear Failure of Amorphous Alloys. European Physical Journal Special Topics, 1997, 07, C3-939-C3-944.	0.2	0
157	Prediction of coating geometry: theory and experiment. , 2015, , .		0
158	MICROSTRUCTURE TRANSFORMATION OF ALPHA-TITANIUM AFTER MECHANICAL AND LASER FORMING. , 2017, , .		0
159	Size Effect in Plastic Deformation and Failure of Metallic Glasses. Defect and Diffusion Forum, 0, 405, 212-216.	0.4	0
160	High energy density processing of a free form Nickel-alumina nanocomposite. Journal of Nanoscience and Nanotechnology, 2006, 6, 651-60.	0.9	0