Vaclav Ocelik

List of Publications by Year
in descending order

160	4,425	94433	118850
papers	citations	37 h-index	62 g-index

160	160	160	3230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure and Mechanical Properties of Laser Additive Manufactured H13 Tool Steel. Metals, 2022, 12, 243.	2.3	9
2	Thin films of the $$alpha$$-quartz $$Si_xGe_{1-x}O_2$$ solid solution. Scientific Reports, 2022, 12, 2010.	3.3	2
3	Antiferromagnetic Ordering and Uncoupled Spins in CaFe₂O₄ Thin Films Probed by Spin Hall Magnetoresistance. Advanced Electronic Materials, 2022, 8, .	5.1	4
4	Controlling phase separation in thermoelectric Pb1â^'xGexTe to minimize thermal conductivity. Journal of Materials Chemistry A, 2021, 9, 12340-12349.	10.3	2
5	Morphology of Melt-Quenched Lead Telluride Single Crystals. ACS Applied Materials & Interfaces, 2021, 13, 6241-6248.	8.0	0
6	Growth and Crystallization of SiO2/GeO2 Thin Films on Si(100) Substrates. Nanomaterials, 2021, 11, 1654.	4.1	2
7	Spherulitic and rotational crystal growth of Quartz thin films. Scientific Reports, 2021, 11, 14888.	3.3	10
8	Crystallization of GeO2 thin films into Î±-quartz: from spherulites to single crystals. Acta Materialia, 2021, 215, 117069.	7.9	10
9	Depth Profile Analysis of Thin Oxide Layers on Polycrystalline Feâ€“Cr. Microscopy and Microanalysis, 2020, 26, 112-119.	0.4	1
10	In Situ Digital Image Correlation Observations of Laser Forming. Metals, 2020, 10, 17.	2.3	5
11	In Situ High-Temperature EBSD and 3D Phase Field Studies of the Austeniteâ€“Ferrite Transformation in a Medium Mn Steel. Microscopy and Microanalysis, 2019, 25, 639-655.	0.4	10
12	Thick Metallic Coatings Produced by Coaxial and Side Laser Cladding: Processing and Properties â˜†. , 2018, , 413-459.		1
13	Size dependent plasticity and damage response in multiphase body centered cubic high entropy alloys. Acta Materialia, 2018, 150, 104-116.	7.9	69
14	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
15	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
16	Local Stress States and Microstructural Damage Response Associated with Deformation Twins in Hexagonal Close Packed Metals. Crystals, 2018, 8, 1.	2.2	81
17	The effect of surface texture on the oxidation behaviour of polycrystalline Fe-Cr. Applied Surface Science, 2018, 459, 459-467.	6.1	11
18	BCC-FCC interfacial effects on plasticity and strengthening mechanisms in high entropy alloys. Acta Materialia, 2018, 157, 83-95.	7.9	113

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19	Response of Ti microstructure in mechanical and laser forming processes. Journal of Materials Science, 2018, 53, 14713-14728.	3.7	4
20	Size effects on plasticity in high-entropy alloys. Journal of Materials Research, 2018, 33, 3055-3076.	2.6	37
21	Measurement of spatial stress gradients near grain boundaries. Scripta Materialia, 2017, 136, 11-14.	5.2	19
22	Influence of loading rate on the mechanical performance of metallic glass. Journal of Non-Crystalline Solids, 2017, 470, 160-167.	3.1	11
23	Effect of magnesium aluminum silicate glass on the thermal shock resistance of <scp>BN</scp> matrix composite ceramics. Journal of the American Ceramic Society, 2017, 100, 2669-2678.	3.8	15
24	Secondary phases in AlxCoCrFeNi high-entropy alloys: An in-situ TEM heating study and thermodynamic appraisal. Acta Materialia, 2017, 131, 206-220.	7.9	292
25	Orientation Relationships in Al_{0.7}CoCrFeNi High-Entropy Alloy. Microscopy and Microanalysis, 2017, 23, 905-915.	0.4	21
26	Interphase boundary motion elucidated through in-situ high temperature electron back-scatter diffraction. Materials and Design, 2017, 132, 138-147.	7.0	9
27	Texture development in direct powder deposition. Journal of Laser Applications, 2017, 29, .	1.7	12
28	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
29	In-situ observation of crack propagation in silicon nitride ceramics. Procedia Structural Integrity, 2017, 7, 307-314.	0.8	11
30	EXPERIMENTAL DETERMINATION AND THEORETICAL ANALYSIS OF LOCAL RESIDUAL STRESS AT GRAIN SCALE. , 2017, , .		4
31	THE GROWTH OF A PASSIVE FILM ON STEEL STUDIED WITH IN-SITU AFM. WIT Transactions on Engineering Sciences, 2017, , .	0.0	1
32	SURFACE DEGRADATION OF NANOCRYSTALLINE ZIRCONIA DENTAL IMPLANTS. , 2017, , .		1
33	MICROSTRUCTURE TRANSFORMATION OF ALPHA-TITANIUM AFTER MECHANICAL AND LASER FORMING. , 2017, , .		0
34	DYNAMICS OF TEMPERING PROCESSES IN STAINLESS STEEL. , 2017, , .		1
35	On the role of the residual stress state in product manufacturing. Materials and Design, 2016, 105, 375-380.	7.0	11
36	The fcc-bcc crystallographic orientation relationship in AlxCoCrFeNi high-entropy alloys. Materials Letters, 2016, 176, 29-32.	2.6	52

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37	Additive Manufacturing of High-Entropy Alloys by Laser Processing. Jom, 2016, 68, 1810-1818.	1.9	122
38	A versatile model for the prediction of complex geometry in 3D direct laser deposition. Surface and Coatings Technology, 2016, 307, 292-300.	4.8	29
39	On the optimum resolution of transmission-electron backscattered diffraction (t-EBSD). Ultramicroscopy, 2016, 160, 256-264.	1.9	51
40	Formation of Nanoporous Gold Studied by Transmission Electron Backscatter Diffraction. Microscopy and Microanalysis, 2015, 21, 1387-1397.	0.4	6
41	Nature of the surface states at the single-layer graphene/Cu(111) and graphene/polycrystalline-Cu interfaces. Physical Review B, 2015, 91, .	3.2	15
42	Discontinuities of Plastic Deformation in Metallic Glasses with Different Glass Forming Ability. Physics Procedia, 2015, 75, 1265-1270.	1.2	2
43	Local residual stress measurements on nitride layers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 476-483.	5.6	10
44	On the determination of local residual stress gradients by the slit milling method. Journal of Materials Science, 2015, 50, 3646-3655.	3.7	27
45	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
46	Compositional modification of Ni-base alloys for laser-deposition technologies. , 2015, , 137-162.		4
47	Calibration-free quantitative surface topography reconstruction in scanning electron microscopy. Ultramicroscopy, 2015, 148, 31-41.	1.9	3
48	The influence of processing speed on the properties of laser surface deposits. WIT Transactions on Engineering Sciences, 2015, , .	0.0	3
49	Prediction of coating geometry: theory and experiment. , 2015, , .		0
50	Microstructural characterization of surface damage through ultra-short laser pulses. , 2014, , .		1
51	The Prediction of Coating Geometry from Main Processing Parameters in Laser Cladding. Physics Procedia, 2014, 56, 220-227.	1.2	57
52	Laser-induced periodic surface structures, modeling, experiments, and applications. , 2014, , .		5
53	On the geometry of coating layers formed by overlap. Surface and Coatings Technology, 2014, 242, 54-61.	4.8	65
54	Microstructure and Phase Formation in a Rapidly Solidified Laser-Deposited Ni-Cr-B-Si-C Hardfacing Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 878-892.	2.2	56

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55	Modification of Cu surface with picosecond laser pulses. Applied Surface Science, 2014, 303, 118-124.	6.1	49
56	A New Methodology to Analyze Instabilities in SEM Imaging. Microscopy and Microanalysis, 2014, 20, 1625-1637.	0.4	21
57	Phase formation and properties of vanadium-modified Niâ€“Crâ€“B-Siâ€“C laser-deposited coatings. Journal of Materials Science, 2013, 48, 3315-3326.	3.7	17
58	Tantalum-modified Stellite 6 thick coatings: microstructure and mechanical performance. Journal of Materials Science, 2013, 48, 140-149.	3.7	4
59	Microstructural characterization of Co-based coating deposited by low power pulse laser cladding. Journal of Materials Science, 2013, 48, 2714-2723.	3.7	40
60	Toughening mechanism for Niâ€“Crâ€“Bâ€“Siâ€“C laser deposited coatings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 582, 305-315.	5.6	44
61	Microstructural design of hardfacing Niâ€“Crâ€“Bâ€“Siâ€“C alloys. Acta Materialia, 2013, 61, 6061-6070.	7.9	42
62	Effects of the Alloy Composition on Phase Constitution and Properties of Laser Deposited Ni-Cr-B-Si Coatings. Physics Procedia, 2013, 41, 302-311.	1.2	64
63	Electron Microscopy Characterization of Ni-Cr-B-Si-C Laser Deposited Coatings. Microscopy and Microanalysis, 2013, 19, 120-131.	0.4	58
64	Advances in Laser Surface Engineering: Tackling the Cracking Problem in Laser-Deposited Ni-Cr-B-Si-C Alloys. Jom, 2013, 65, 741-748.	1.9	15
65	Statistical analysis of SEM image noise. WIT Transactions on Engineering Sciences, 2013, , .	0.0	2
66	Thickness and waviness of surface coatings formed by overlap: modelling and experiment. WIT Transactions on Engineering Sciences, 2013, , .	0.0	0
67	Effect of Ta on the microstructure and hardness of Stellite 6 coating deposited by low power pulse laser treatments. Surface and Coatings Technology, 2012, 213, 278-284.	4.8	31
68	Laser-induced periodic surface structures: Fingerprints of light localization. Physical Review B, 2012, 85, .	3.2	122
69	Dilution effects in laser cladding of Niâ€“Crâ€“Bâ€“Siâ€“C hardfacing alloys. Materials Letters, 2012, 84, 69-72.	2.6	140
70	Elimination of Start/Stop defects in laser cladding. Surface and Coatings Technology, 2012, 206, 2403-2409.	4.8	46
71	On the surface topography of ultrashort laser pulse treated steel surfaces. Applied Surface Science, 2011, 258, 1555-1560.	6.1	37
72	Microstructural characterization of AISI 431 martensitic stainless steel laser-deposited coatings. Journal of Materials Science, 2011, 46, 3405-3414.	3.7	87

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73	Properties of High-Frequency Sub-Wavelength Ripples on Stainless Steel 304L under Ultra Short Pulse Laser Irradiation. Physics Procedia, 2011, 12, 99-104.	1.2	17
74	The effect of cladding speed on phase constitution and properties of AISI 431 stainless steel laser deposited coatings. Surface and Coatings Technology, 2011, 205, 5235-5239.	4.8	68
75	Surface melting of copper by ultrashort laser pulses. , 2011, , .		1
76	Evolution of microstructure and properties in laser cladding of a Ni-Cr-B-Si hardfacing alloy. , 2011, , .		11
77	Experimental approach to eliminate Start/Stop defects in laser cladding. , 2011, , .		0
78	Microstructure and properties of laser clad coatings studied by orientation imaging microscopy. Acta Materialia, 2010, 58, 6763-6772.	7.9	82
79	Thick metallic coatings produced by coaxial and side laser cladding: processing and properties. , 2010, , 426-457.		7
80	Fundamental and applied aspects of laser surface engineering. International Journal of Materials Research, 2009, 100, 1343-1360.	0.3	19
81	Creep of FINEMET Alloy at Amorphous to Nanocrystalline Transition. Key Engineering Materials, 2009, 409, 373-376.	0.4	0
82	Laser engineered surfaces from glass forming alloy powder precursors: Microstructure and wear. Surface and Coatings Technology, 2009, 203, 1833-1843.	4.8	41
83	Influence of powder particle injection velocity on the microstructure of Alâ€“12Si/SiCp coatings produced by laser cladding. Surface and Coatings Technology, 2009, 204, 285-290.	4.8	32
84	In-situ strain observation in high power laser cladding. Surface and Coatings Technology, 2009, 203, 3189-3196.	4.8	53
85	Structural Changes in Deformed Soft Magnetic Ni-Based Metallic Glass. Acta Physica Polonica A, 2009, 115, 393-395.	0.5	0
86	Metallic laser clad coatings: on the processing-microstructure-property relationships. , 2009, , .		5
87	Creep-induced structural changes in Ni-Si-B amorphous alloy. Strength of Materials, 2008, 40, 16-19.	0.5	0
88	Failure of Zr50Ti16.5Cu15Ni18.5 amorphous metallic ribbon. Strength of Materials, 2008, 40, 20-23.	0.5	1
89	An electron microscopy appraisal of tensile fracture in metallic glasses. Acta Materialia, 2008, 56, 1762-1773.	7.9	103
90	Microstructure of reaction zone in WCp/duplex stainless steels matrix composites processing by laser melt injection. Surface and Coatings Technology, 2008, 202, 2113-2120.	4.8	35

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91	Wear resistance of WCp/Duplex Stainless Steel metal matrix composite layers prepared by laser melt injection. Surface and Coatings Technology, 2008, 202, 4758-4765.	4.8	32
92	Structural Relaxation of Ni-Si-B Amorphous Ribbon. Acta Physica Polonica A, 2008, 113, 99-102.	0.5	0
93	Scratch test induced shear banding in high power laser remelted metallic glass layers. Journal of Materials Research, 2007, 22, 460-470.	2.6	18
94	Laser cladding of Al-Si/SiC composite coatings: Microstructure and abrasive wear behavior. , 2007, , .		0
95	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
96	Microstresses and microstructure in thick cobalt-based laser deposited coatings. Surface and Coatings Technology, 2007, 201, 6363-6371.	4.8	30
97	Microstructure and wear studies of laser clad Al-Si/SiC(p) composite coatings. Surface and Coatings Technology, 2007, 201, 9497-9505.	4.8	101
98	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
99	Creep strain recovery of Fe-Ni-B amorphous metallic ribbon. Open Physics, 2007, 5, .	1.7	2
100	Thick tool steel coatings with laser cladding. WIT Transactions on Engineering Sciences, 2007, , .	0.0	3
101	Microstructural and tribological observations in metallic glass forming alloy layers produced by high-power lasers. WIT Transactions on Engineering Sciences, 2007, , .	0.0	0
102	In-situ Tensile Testing of SiCp -Al Metal Matrix Composite Produced by Laser Embedding. , 2006, , 223-228.		0
103	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
104	Microstrain Determination in Individual Grains of Laser Deposited Cladding Layers. Advanced Materials Research, 2006, 15-17, 153-158.	0.3	0
105	High energy density processing of a free form Nickel-alumina nanocomposite. Journal of Nanoscience and Nanotechnology, 2006, 6, 651-60.	0.9	0
106	Analysis of coaxial laser cladding processing conditions. Surface and Coatings Technology, 2005, 197, 127-136.	4.8	363
107	Sliding wear resistance of metal matrix composite layers prepared by high power laser. Surface and Coatings Technology, 2005, 197, 303-315.	4.8	124
108	Microstructure and Properties of TiB/Ti-6Al-4V Coatings Produced With Laser Treatments. Journal of Materials Engineering and Performance, 2004, 13, 406-412.	2.5	29

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109	Creep of FINEMET Ribbons during Crystallization. European Physical Journal D, 2004, 54, 97-100.	0.4	0
110	Creep Recovery of Metallic Glass Fe-Ni-B after Longtime Stress-annealing. European Physical Journal D, 2004, 54, 129-132.	0.4	3
111	Influence of Thermal Treatment of Ni-P Melt on Structure of Amorphous Alloys. European Physical Journal D, 2004, 54, 133-136.	0.4	1
112	Foam coating on aluminum alloy with laser cladding. Journal of Laser Applications, 2004, 16, 79-84.	1.7	13
113	Interfacial adhesion of laser clad functionally graded materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 342, 192-200.	5.6	17
114	Functionally Graded Materials Produced with High Power Lasers. Materials Science Forum, 2003, 426-432, 123-130.	0.3	7
115	Ductile fracture surface morphology of amorphous metallic alloys. European Physical Journal D, 2002, 52, A121-A124.	0.4	3
116	Spectral analysis of creep recovery process in finemet type amorphous alloy. European Physical Journal D, 2002, 52, A125-A128.	0.4	0
117	Long-time stability of structure in Feâˆ’B amorphous ribbons. European Physical Journal D, 2002, 52, A129-A132.	0.4	0
118	SiCp/Ti6Al4V functionally graded materials produced by laser melt injection. Acta Materialia, 2002, 50, 2035-2051.	7.9	132
119	Tiâ€“6Alâ€“4V strengthened by laser melt injection of WCp particles. Acta Materialia, 2002, 50, 4913-4924.	7.9	188
120	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
121	Title is missing!. European Physical Journal D, 2001, 51, 599-608.	0.4	5
122	EBSP study of reaction zone in SiC/Al metal matrix composite prepared by laser melt injection. Journal of Materials Science, 2001, 36, 4845-4849.	3.7	24
123	Structural and Magnetic Properties of Nanocrystalline FeNiMoB Precursor. Materials Science Forum, 2001, 373-376, 237-240.	0.3	4
124	Laser melt injection in aluminum alloys: on the role of the oxide skin. Acta Materialia, 2000, 48, 4225-4233.	7.9	103
125	Non-Newtonian deformation of Co-based metallic glass at low stresses. Physics of the Solid State, 2000, 42, 697-700.	0.6	2
126	New features of the low temperature ductile shear failure observed in bulk amorphous alloys. Journal of Materials Science, 2000, 35, 4449-4457.	3.7	57

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127	Low Temperature Ductile Shear Failure of Zr_{41.2}Ti_{13.8}Ni₁₀Cu_{12.5}Be_{22.5} and Cu₅₀Zr₃₅Ti₈Hf₅Ni₂ Bulk Amorphous Alloys. Journal of Metastable and Nanocrystalline Materials, 2000, 8, 197-202.	0.1	0
128	Low Temperature Ductile Shear Failure of Zr_{41.2}Ti_{13.8}Ni₁₀Cu_{12.5}Be<sub>22 and Cu₅₀Zr₃₅Ti₈Hf₅Ni<sub>2</sub&g Bulk Amorphous Alloys. Materials Science Forum, 2000, 343-346, 197-202.	0.3	7
129	The Dynamics of the Soret Effect in Thin Film of Magnetic Fluid. Acta Physica Polonica A, 2000, 97, 875-878.	0.5	2
130	Non-newtonian plastic flow of a Ni-Si-B metallic glass at low stresses. Scripta Materialia, 1998, 39, 1377-1382.	5.2	20
131	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
132	Isothermal structural relaxation of Fe40Ni40B20 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
133	Low temperature mechanical properties of metallic glasses connection with structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 823-832.	5.6	14
134	Anelastic deformation processes in metallic glasses and activation energy spectrum model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 851-855.	5.6	24
135	Mechanical properties of amorphous alloys ribbons prepared by rapid quenching of the melt after different thermal treatments before quenching. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 887-890.	5.6	16
136	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
137	Possible local superplasticity of amorphous metallic alloys in the catastrophic shear band under low temperature ductile shear failure. Scripta Materialia, 1996, 35, 781-784.	5.2	20
138	Activation energy distribution in nanocrystallization kinetics of amorphous Fe73.5Cu1Nb3Si13.5B9 alloy. Scripta Materialia, 1996, 35, 1301-1306.	5.2	12
139	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
140	On a Physical Nature of the Yield Stress Anisotropy of Amorphous Alloys Ribbons. Key Engineering Materials, 1995, 97-98, 91-96.	0.4	0
141	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
142	Structural models of the yield stress anisotropy of amorphous alloys ribbons. Journal of Non-Crystalline Solids, 1995, 192-193, 595-598.	3.1	7
143	Activation energy spectra for stress-induced ordering in amorphous materials calculated using Fourier techniques. Philosophical Magazine Letters, 1995, 71, 257-261.	1.2	11
144	Magnetic properties of nanocrystalline FeCuNb(Sb/W)SiB alloys. IEEE Transactions on Magnetics, 1994, 30, 499-501.	2.1	1

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145	Direct spectrum analysis of anelastic deformation response during structural relaxation of amorphous metals. IEEE Transactions on Magnetics, 1994, 30, 496-498.	2.1	11
146	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
147	Fracture of amorphous bilayer ribbon. Materials Letters, 1991, 11, 37-39.	2.6	2
148	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	10
149	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
150	Failure crack orientation at ductile shear fracture of Fe80â^'x Ni x B20 metallic glass ribbons. Journal of Materials Science, 1990, 25, 1598-1602.	3.7	12
151	Fracture toughness of amorphous Fe40Ni40B20 ribbons: strain rate dependence. Journal of Materials Science Letters, 1990, 9, 529-531.	0.5	6
152	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
153	Low-temperature fracture toughness of some iron, nickel-based metallic glass ribbons. Journal of Materials Science, 1987, 22, 3732-3736.	3.7	10
154	Fracture toughness of some metallic glasses. Journal of Materials Science, 1987, 22, 2305-2308.	3.7	17
155	Microstructure and Abrasive Wear Studies of Laser Clad Al-Si/SiC Composite Coatings. Materials Science Forum, 0, 537-538, 89-95.	0.3	0
156	Nanoindentation in Metallic Glasses with Different Plasticity. Key Engineering Materials, 0, 662, 19-22.	0.4	1
157	Serrated Plastic Flow of Various Metallic Glasses during Nanoindentation. Defect and Diffusion Forum, 0, 368, 3-6.	0.4	0
158	Shear Band Morphology of Indented Region in Cu-Based Metallic Glass. Materials Science Forum, 0, 891, 500-503.	0.3	0
159	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
160	Size Effect in Plastic Deformation and Failure of Metallic Glasses. Defect and Diffusion Forum, 0, 405, 212-216.	0.4	0