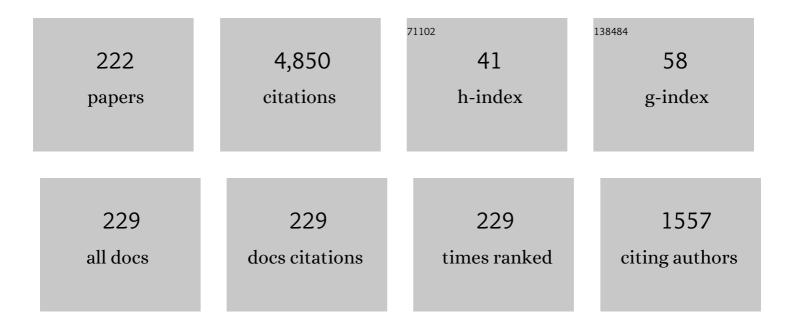
## Jaroslav Polak

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	On the mechanism of fatigue crack initiation in high-angle grain boundaries. International Journal of Fatigue, 2022, 158, 106721.	5.7	27
2	The shape of extrusions and intrusions produced by cyclic straining. International Journal of Materials Research, 2022, 94, 1327-1330.	0.3	0
3	Intergranular fatigue crack initiation in polycrystalline copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 848, 143357.	5.6	12
4	The effect of dwell on thermomechanical fatigue in superaustenitic steel Sanicro 25. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 673-688.	3.4	14
5	Advantageous Description of Short Fatigue Crack Growth Rates in Austenitic Stainless Steels with Distinct Properties. Metals, 2021, 11, 475.	2.3	4
6	Frequency-dependent fatigue damage in polycrystalline copper analyzed by FIB tomography. Acta Materialia, 2021, 211, 116859.	7.9	6
7	Surface relief evolution and fatigue crack initiation in René 41 superalloy cycled at room temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 819, 141520.	5.6	12
8	Role of deformation twinning in fatigue of CrCoNi medium-entropy alloy at room temperature. Scripta Materialia, 2021, 202, 113985.	5.2	27
9	Production, annihilation and migration of point defects in cyclic straining. Materialia, 2020, 14, 100938.	2.7	7
10	SEM & STEM Multi-scale Characterization of Fatigue Damage in CrCoNi Medium-entropy Alloy with Fully Recrystallized Microstructure. Microscopy and Microanalysis, 2020, 26, 2224-2225.	0.4	1
11	Cyclic plastic response and damage mechanisms in superaustenitic steel Sanicro 25 in high temperature cycling – Effect of tensile dwells and thermomechanical cycling. Theoretical and Applied Fracture Mechanics, 2020, 108, 102641.	4.7	9
12	Microstructure and martensitic transformation in 316L austenitic steel during multiaxial low cycle fatigue at room temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 767, 138407.	5.6	19
13	Effective and internal stresses in 713LC and Rene 41 superalloys using analysis of the hysteresis loop shape. Procedia Structural Integrity, 2019, 23, 523-528.	0.8	2
14	Cyclic plastic response and damage in superaustenitic steel in high temperature cycling with dwells and in thermomechanical cycling. Procedia Structural Integrity, 2019, 23, 275-280.	0.8	0
15	Initiation and Early Growth of Fatigue Cracks. Minerals, Metals and Materials Series, 2019, , 1125-1135.	0.4	0
16	Damage mechanism in austenitic steel during high temperature cyclic loading with dwells. International Journal of Fatigue, 2018, 113, 335-344.	5.7	30
17	Initiation and growth of short fatigue cracks in austenitic Sanicro 25 steel. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1529-1545.	3.4	20
18	Atomic resolution characterization of strengthening nanoparticles in a new high-temperature-capable 43Fe-25Ni-22.5Cr austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 719, 49-60.	5.6	38

#	Article	IF	CITATIONS
19	Fatigue crack initiation and growth in 43Fe-25Ni-22.5Cr austenitic steel at a temperature of 700â€ <sup>-</sup> °C. International Journal of Fatigue, 2018, 114, 11-21.	5.7	32
20	Early damage and fatigue crack initiation at ambient and elevated temperatures in heat resistant austenitic steel. MATEC Web of Conferences, 2018, 165, 04008.	0.2	0
21	Fracture and Damage Behavior in an Advanced Heat Resistant Austenitic Stainless Steel During LCF, TMF and CF. Procedia Structural Integrity, 2018, 13, 843-848.	0.8	7
22	Cyclic deformation behaviour and stability of grain-refined 301LN austenitic stainless structure. MATEC Web of Conferences, 2018, 165, 06005.	0.2	4
23	Profiles of persistent slip markings and internal structure of underlying persistent slip bands. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1101-1116.	3.4	42
24	Effect of metallurgical variables on the austenite stability in fatigued AISI 304 type steels. Engineering Fracture Mechanics, 2017, 185, 139-159.	4.3	26
25	Short fatigue crack behaviour under low cycle fatigue regime. International Journal of Fatigue, 2017, 103, 207-215.	5.7	14
26	The role of extrusions and intrusions in fatigue crack initiation. Engineering Fracture Mechanics, 2017, 185, 46-60.	4.3	60
27	Microstructure and dislocation arrangements in Sanicro 25 steel fatigued at ambient and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 680, 168-181.	5.6	47
28	On the origin of extraordinary cyclic strengthening of the austenitic stainless steel Sanicro 25 during fatigue at 700 °C. Journal of Materials Research, 2017, 32, 4342-4353.	2.6	18
29	Cyclic response and early damage evolution in multiaxial cyclic loading of 316L austenitic steel. International Journal of Fatigue, 2017, 100, 466-476.	5.7	27
30	Multiaxial elastoplastic cyclic loading of austenitic 316L steel. Frattura Ed Integrita Strutturale, 2017, 11, 162-169.	0.9	2
31	Fatigue of Steels. , 2016, , .		0
32	Formation and Dissolution of γ' Precipitates in IN792 Superalloy at Elevated Temperatures. Metals, 2016, 6, 37.	2.3	6
33	Cyclic Deformation, Crack Initiation, and Low-Cycle Fatigue. , 2016, , .		5
34	Microstructural changes during deformation of AISI 300 grade austenitic stainless steels: Impact of chemical heterogeneity. Procedia Structural Integrity, 2016, 2, 2299-2306.	0.8	23
35	Damage Evolution in Thermomechanical Loading of Stainless Steel. Procedia Structural Integrity, 2016, 2, 3407-3414.	0.8	3
36	Surface Relief and Internal Structure in Fatigued Stainless Sanicro 25 Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1907-1911.	2.2	20

#	Article	IF	CITATIONS
37	Surface profile evolution and fatigue crack initiation in Sanicro 25 steel at room temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 221-228.	5.6	18
38	Evolution of the cyclic plastic response of Sanicro 25 steel cycled at ambient and elevated temperatures. International Journal of Fatigue, 2016, 83, 75-83.	5.7	26
39	Thermomechanical fatigue and damage mechanisms in Sanicro 25 steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 650, 52-62.	5.6	46
40	Basic Mechanisms Leading to Fatigue Failure of Structural Materials. Transactions of the Indian Institute of Metals, 2016, 69, 289-294.	1.5	7
41	Mechanical properties of high niobium TiAl alloys doped with Mo and C. Materials and Design, 2016, 99, 284-292.	7.0	44
42	Behaviour of ODS Steels in Cyclic Loading. Transactions of the Indian Institute of Metals, 2016, 69, 309-313.	1.5	3
43	Experimental evidence and physical models of fatigue crack initiation. International Journal of Fatigue, 2016, 91, 294-303.	5.7	49
44	Microstructural stability of ODS steels in cyclic loading. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 936-947.	3.4	22
45	Influence of dwell times on the thermomechanical fatigue behavior of a directionally solidified Ni-base superalloy. International Journal of Fatigue, 2015, 80, 426-433.	5.7	24
46	Initiation of Stage I Fatigue Cracks – Experiments and Models. Procedia Engineering, 2015, 101, 386-394.	1.2	11
47	AFM and SEM-FEG study on fundamental mechanisms leading to fatigue crack initiation. International Journal of Fatigue, 2015, 76, 11-18.	5.7	35
48	Hysteresis Loop Analysis in Cyclically Strained Materials. Advanced Structured Materials, 2015, , 185-205.	0.5	2
49	Cyclic plastic response of nickel-based superalloy at room and at elevated temperatures*. Materialpruefung/Materials Testing, 2015, 57, 119-125.	2.2	1
50	Quantitative Model of the Surface Relief Formation in Cyclic Straining. Acta Physica Polonica A, 2015, 128, 675-681.	0.5	1
51	Cyclic Plastic Response and Damage in Materials for High Temperature Applications*. Strength of Materials, 2014, 46, 601-607.	0.5	1
52	Analysis of Cyclic Plastic Response of Heat Resistant Sanicro 25 Steel at Ambient and Elevated Temperatures. Procedia Engineering, 2014, 74, 68-73.	1.2	8
53	Monotonic and Cyclic Properties of TiAl Alloys Doped with Nb, Mo and C. Procedia Engineering, 2014, 74, 405-408.	1.2	7
54	LCF Behaviour of Ultrafine Grained 301LN Stainless Steel. Procedia Engineering, 2014, 74, 147-150.	1.2	10

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55	A Comparison of Microstructure Evolution due to Fatigue Loading in Eurofer 97 and ODS Eurofer Steels. Procedia Engineering, 2014, 74, 401-404.	1.2	9
56	Low cycle fatigue behavior of Sanicro25 steel at room and at elevated temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 615, 175-182.	5.6	56
57	Precipitate microstructure evolution in exposed IN738LC superalloy. Journal of Alloys and Compounds, 2014, 589, 462-471.	5.5	12
58	Mechanisms of extrusion and intrusion formation in fatigued crystalline materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 596, 15-24.	5.6	79
59	Fatigue crack initiation – The role of point defects. International Journal of Fatigue, 2014, 65, 18-27.	5.7	53
60	Analysis of cyclic plastic response of nickel based IN738LC superalloy. International Journal of Fatigue, 2014, 65, 44-50.	5.7	10
61	Mechanisms of High Temperature Damage in Elastoplastic Cyclic Loading of Nickel Superalloys and TiAl Intermetallics. Procedia Engineering, 2013, 55, 114-122.	1.2	3
62	The shape of early persistent slip markings in fatigued 316L steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 564, 8-12.	5.6	19
63	Misfit in Inconel-Type Superalloy. Advances in Materials Science and Engineering, 2013, 2013, 1-7.	1.8	9
64	Damage Evolution During Fatigue in Structural Materials. , 2012, 1, 3-12.		4
65	Initiation and short crack growth in austenitic–ferritic duplex steelâ€effect of positive mean stress. Fatigue and Fracture of Engineering Materials and Structures, 2012, 35, 257-268.	3.4	11
66	Fatigue behavior of ferritic–pearlitic–bainitic steel in loading with positive mean stress. International Journal of Fatigue, 2012, 39, 103-108.	5.7	13
67	Study of cyclic strain localization and fatigue crack initiation using FIB technique. International Journal of Fatigue, 2012, 39, 44-53.	5.7	77
68	Fatigue behavior of coated and uncoated cast Inconel 713LC at 800°C. International Journal of Fatigue, 2012, 41, 101-106.	5.7	21
69	Cyclic plasticity, cyclic creep and fatigue life of duplex stainless steel in cyclic loading with positive mean stress. Metallic Materials, 2011, 49, 347-354.	0.3	1
70	Microstructure of austenitic stainless steels of various phase stabilities after cyclic and tensile deformation. International Journal of Materials Research, 2011, 102, 1374-1377.	0.3	14
71	Fatigue cracks in Eurofer 97 steel: Part I. Nucleation and small crack growth kinetics. Journal of Nuclear Materials, 2011, 412, 2-6.	2.7	13
72	Fatigue cracks in Eurofer 97 steel: Part II. Comparison of small and long fatigue crack growth. Journal of Nuclear Materials, 2011, 412, 7-12.	2.7	9

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73	Cyclic plastic response and fatigue life in symmetric and asymmetric cyclic loading. Procedia Engineering, 2011, 10, 568-577.	1.2	13
74	Stability of austenitic 316L steel against martensite formation during cyclic straining. Procedia Engineering, 2011, 10, 1279-1284.	1.2	39
75	Effect of Al and Al-Si diffusion coating on the low cycle fatigue behavior of Inconel 713LC. Procedia Engineering, 2011, 10, 1360-1365.	1.2	2
76	Cyclic plasticity and strain localization in cast Î <sup>3</sup> -TiAl based alloy. Procedia Engineering, 2011, 10, 1390-1395.	1.2	6
77	Fatigue behaviour and surface relief in ODS steels. Procedia Engineering, 2011, 10, 1685-1690.	1.2	6
78	Cyclic plasticity and internal dislocation structure in two-phase alloy. Journal of Physics: Conference Series, 2010, 240, 012045.	0.4	0
79	Application of FIB technique to study of early fatigue damage in polycrystals. Journal of Physics: Conference Series, 2010, 240, 012058.	0.4	0
80	Extrusion and intrusion evolution in cyclically strained cast superalloy Inconel 738LC using confocal laser scanning microscope and AFM. Journal of Physics: Conference Series, 2010, 240, 012054.	0.4	3
81	Fatigue properties of high Nb TiAl alloy. Journal of Physics: Conference Series, 2010, 240, 012057.	0.4	1
82	Fatigue behaviour of ODS ferritic-martensitic Eurofer steel. Procedia Engineering, 2010, 2, 717-724.	1.2	16
83	Short crack growth in polycrystalline materials. Procedia Engineering, 2010, 2, 883-892.	1.2	31
84	AFM study of surface relief evolution in 316L steel fatigued at low and high temperatures. Procedia Engineering, 2010, 2, 1625-1633.	1.2	15
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86	zninstb="http://www.elsevier.com/xm/common/table/dtd" xminstb="http://www.els. Procedia Influence of niobium alloying on the low cycle fatigue of cast TiAl alloys at room and high temperatures. Procedia Engineering, 2010, 2, 2297-2305.	1.2	18
87	Cyclic plastic response and fatigue life in superduplex 2507 stainless steel. International Journal of Fatigue, 2010, 32, 279-287.	5.7	19
88	Small fatigue crack growth in aluminium alloy EN-AW 6082/T6. International Journal of Fatigue, 2010, 32, 1913-1920.	5.7	34
89	The shape of extrusions and intrusions and initiation of stage I fatigue cracks. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 517, 204-211.	5.6	63
90	Isothermal fatigue behavior of cast superalloy Inconel 792-5A at 23 and 900°C. Journal of Materials Science, 2009, 44, 3305-3314.	3.7	19

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91	Growth of extrusions in localized cyclic plastic straining. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 500, 122-129.	5.6	55
92	Extrusions and intrusions in fatigued metals. Part 1. State of the art and historyâ€. Philosophical Magazine, 2009, 89, 1295-1336.	1.6	154
93	Extrusions and intrusions in fatigued metals. Part 2. AFM and EBSD study of the early growth of extrusions and intrusions in 316L steel fatigued at room temperature. Philosophical Magazine, 2009, 89, 1337-1372.	1.6	77
94	Low-cycle fatigue properties of TiAl alloy with high Nb content. International Journal of Materials Research, 2009, 100, 349-352.	0.3	12
95	Dislocation Structures in Nickel Based Superalloy Inconel 792-5A Fatigued at Room Temperature and 700°C. Materials Science Forum, 2008, 567-568, 429-432.	0.3	5
96	Cyclic Stress in 316L Austenitic Stainless Steel at Low Temperatures. Materials Science Forum, 2008, 567-568, 401-404.	0.3	2
97	Half-cycle slip activity of persistent slip bands at different stages of fatigue life of polycrystalline nickel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 492, 118-127.	5.6	35
98	Cyclic Plastic Response and Fatigue Life of Materials. Key Engineering Materials, 2007, 348-349, 113-116.	0.4	3
99	Growth of Short Fatigue Cracks Emanating from Notches in an Austenitic-Ferritic Stainless Steel. Key Engineering Materials, 2007, 348-349, 117-120.	0.4	1
100	Effect of Temperature on the Low Cycle Fatigue of Cast Inconel 792-5A. Key Engineering Materials, 2007, 345-346, 383-386.	0.4	6
101	Fatigue Crack Initiation in Crystalline Materials – Experimental Evidence and Models. Key Engineering Materials, 2007, 345-346, 379-382.	0.4	6
102	Fatigue of Steels. , 2007, , 504-537.		8
103	High Temperature Low Cycle Fatigue of Superalloys Inconel 713LC and Inconel 792-5A. Key Engineering Materials, 2007, 348-349, 101-104.	0.4	12
104	Mechanisms and kinetics of the early fatigue damage in crystalline materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 468-470, 33-39.	5.6	30
105	Effect of Plasma Nitriding on Fatigue Behavior of 316L Stainless Steel. , 2006, , 224-228.		0
106	Dislocation structures in cyclically strained X10CrAl24 ferritic steelâ~†. Acta Materialia, 2006, 54, 3429-3443.	7.9	51
107	In situ neutron diffraction study of the low cycle fatigue of the αâ^'γ duplex stainless steel. Physica B: Condensed Matter, 2006, 385-386, 597-599.	2.7	8

108 Dislocation Arrangements in Cyclically Strained Inconel 713LC. , 2006, , 883-884.

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109	Mechanisms of the Early Fatigue Damage in Metallic Materials. Communications - Scientific Letters of the University of Zilina, 2006, 8, 5-9.	0.6	0
110	Plastic strain-controlled short crack growth and fatigue life. International Journal of Fatigue, 2005, 27, 1192-1201.	5.7	47
111	Dislocation structure and surface relief in fatigued metals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 400-401, 405-408.	5.6	10
112	Short crack growth and fatigue life in austenitic-ferritic duplex stainless steel. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 923-935.	3.4	77
113	Inhomogeneous dislocation structure in fatigued INCONEL 713 LC superalloy at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 400-401, 485-488.	5.6	58
114	Dislocation Structures of Duplex Stainless Steel in Uniaxial and Biaxial Cyclic Loading. Materials Science Forum, 2005, 482, 179-182.	0.3	2
115	Atomic Force Microscopy Study of the Early Fatigue Damage. Materials Science Forum, 2005, 482, 45-50.	0.3	6
116	AFM and TEM study of cyclic slip localization in fatigued ferritic X10CrAl24 stainless steel. Acta Materialia, 2004, 52, 5551-5561.	7.9	80
117	Cyclic Deformation, Crack Initiation, and Low-cycle Fatigue. , 2003, , 1-39.		36
118	AFM evidence of surface relief formation and models of fatigue crack nucleation. International Journal of Fatigue, 2003, 25, 1027-1036.	5.7	86
119	Study of surface relief evolution in fatigued 316L austenitic stainless steel by AFM. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 351, 123-132.	5.6	104
120	OS05W0314 Atomic force microscopy and high resolution scanning electron microscopy evidence concerning fatigue crack nucleation. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003.2, _OS05W0314OS05W0314.	0.0	1
121	The shape of extrusions and intrusions produced by cyclic straining. International Journal of Materials Research, 2003, 94, 1327-1330.	0.8	22
122	OS5(3)-10(OS05W0314) Atomic Force Microscopy and High Resolution Scanning Electron Microscopy Evidence Concerning Fatigue Crack Nucleation. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003, 96.	0.0	0
123	On the analysis of the hysteresis loop of ferritic steel in cyclic straining. Scripta Materialia, 2002, 47, 731-736.	5.2	11
124	Atomic force microscopy of surface relief in individual grains of fatigued 316L austenitic stainless steel. Acta Materialia, 2002, 50, 3767-3780.	7.9	129
125	Analysis of the hysteresis loop in stainless steels I. Austenitic and ferritic steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 297, 144-153.	5.6	47
126	Fatigue softening of X10CrAl24 ferritic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 319-321, 564-568.	5.6	46

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127	Analysis of the hysteresis loop in stainless steels II. Austenitic–ferritic duplex steel and the effect of nitrogen. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 297, 154-161.	5.6	30
128	Microstructure in 316LN stainless steel fatigued at low temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 293, 275-280.	5.6	43
129	Effect Of Hardcor Surface Treatment On Fatigue Behaviour of 316L Austenitic Stainless Steel. Journal of the Mechanical Behavior of Materials, 1999, 10, 311-324.	1.8	0
130	TENSILE AND LCF PROPERTIES OF AISI 316LN SS AT 300 AND 77 K. Fatigue and Fracture of Engineering Materials and Structures, 1998, 21, 651-660.	3.4	38
131	Low cycle fatigue of superalloy single crystals CMSX-4. , 1998, , 33-38.		5
132	Topography of the crack nuclei at the emerging persistent slip band in austenitic 316L steel. , 1998, , 559-564.		6
133	Cyclic strain localisation, crack nucleation and short crack growth. , 1998, , 493-504.		0
134	Low-cycle fatigue behaviour of A 316LN stainless steel at 77 K and associated structural transformation. , 1998, , 309-314.		0
135	Fatigue life curves of materials and the growth of short cracks. , 1998, , 529-534.		1
136	The evaluation of internal and effective stresses during low cycle fatigue in stainless steels. , 1998, , 81-86.		0
137	Short fatigue crack behaviour in 316L stainless steel. International Journal of Fatigue, 1997, 19, 471-475.	5.7	74
138	Dislocation structures in the bands of localised cyclic plastic strain in austenitic 316L and austenitic-ferritic duplex stainless steels. Acta Materialia, 1997, 45, 5145-5151.	7.9	94
139	Fatigue crack initiation in fibre-metal laminate glare 2. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 234-236, 621-624.	5.6	24
140	Internal and effective stress analysis in stainless steels using the statistical approach method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 234-236, 456-458.	5.6	10
141	Short crack growth kinetics and fatigue life of materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 234-236, 970-973.	5.6	15
142	Orientation dependence of surface relief topography in fatigued copper single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 234-236, 727-730.	5.6	13
143	Effective and internal stresses in cyclic straining of 316 stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 215, 104-112.	5.6	37
144	FATIGUE DAMAGE IN TWO STEP LOADING OF 316L STEEL I. EVOLUTION OF PERSISTENT SLIP BANDS. Fatigue and Fracture of Engineering Materials and Structures, 1996, 19, 147-155.	3.4	23

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145	FATIGUE DAMAGE IN TWO-STEP LOADING OF 316L STEEL II. SHORT CRACK GROWTH. Fatigue and Fracture of Engineering Materials and Structures, 1996, 19, 157-163.	3.4	24
146	Short Crack Growth in 1441 and 1450 Al-Li Alloys. Materials Science Forum, 1996, 217-222, 1429-1434.	0.3	0
147	FATIGUE DAMAGE IN AUSTENITIC-FERRITIC DUPLEX STAINLESS STEELS. Fatigue and Fracture of Engineering Materials and Structures, 1995, 18, 65-77.	3.4	44
148	Dislocation structures in 316L stainless steel cycled with plastic strain amplitudes over a wide interval. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 187, 1-9.	5.6	112
149	Fatigue damage in polycrystalline copper below the fatigue limit. International Journal of Fatigue, 1994, 16, 403-408.	5.7	17
150	CYCLIC PLASTICITY IN TYPE 316L AUSTENITIC STAINLESS STEEL. Fatigue and Fracture of Engineering Materials and Structures, 1994, 17, 773-782.	3.4	70
151	Dislocation structures in polycrystalline copper cycled at low plastic strain amplitudes. Scripta Metallurgica Et Materialia, 1993, 28, 495-499.	1.0	8
152	Dislocation substructure in fatigued duplex stainless steel. Scripta Metallurgica Et Materialia, 1993, 29, 1553-1558.	1.0	20
153	Lattice Defects in the Process of Fatigue in Crystalline Materials. Solid State Phenomena, 1993, 35-36, 405-410.	0.3	3
154	The role of cyclic slip localization in fatigue damage of materials. European Physical Journal Special Topics, 1993, 03, C7-679-C7-684.	0.2	2
155	Cyclic softening in annealed polycrystalline copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 154, L15-L18.	5.6	5
156	Cyclic stress-strain response of polycrystalline copper in a wide range of plastic strain amplitudes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 151, 19-27.	5.6	57
157	ANALYSIS OF THE CYCLIC STRESS-STRAIN RESPONSE IN VARIABLE AMPLITUDE LOADING USING THE RAIN-FLOW METHOD. , 1992, , 123-131.		0
158	Dynamics of Cyclic Plastic Straining in Copper Single Crystals. , 1992, , 172-177.		0
159	Cyclic strain localization in polycrystalline copper at room temperature and low temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 132, 67-76.	5.6	31
160	Cyclic stress-strain curve evaluation using incremental step test procedure. International Journal of Fatigue, 1991, 13, 216-222.	5.7	18
161	LOW CYCLE FATIGUE DAMAGE ACCUMULATION IN ARMCO-IRON. Fatigue and Fracture of Engineering Materials and Structures, 1991, 14, 193-204.	3.4	37
162	NUCLEATION AND SHORT CRACK GROWTH IN FATIGUED POLYCRYSTALLINE COPPER. Fatigue and Fracture of Engineering Materials and Structures, 1990, 13, 119-133.	3.4	74

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163	Hardness of fatigued copper polycrystals and their relation to their dislocation structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 124, L7-L10.	5.6	3
164	Cyclic strain localization in copper single crystals and polycrystals. Scripta Metallurgica Et Materialia, 1990, 24, 415-419.	1.0	17
165	Method of calculating the endurance of specimens with a stress raiser. 2. Strength of Materials, 1989, 21, 1245-1248.	0.5	2
166	Surface Relief and Dislocation Structure in Fatigued Copper Single Crystal. , 1989, , 761-766.		1
167	Nucleation stress for persistent slip bands in fatigued copper single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1988, 101, 7-12.	5.6	47
168	Nucleation stress for persistent slip bands in fatigued copper single crystals. Materials Science and Engineering, 1988, 101, 7-12.	0.1	1
169	Resistivity of fatigued copper single crystals. Materials Science and Engineering, 1987, 89, 35-43.	0.1	47
170	On the role of point defects in fatigue crack initiation. Materials Science and Engineering, 1987, 92, 71-80.	0.1	131
171	CYCLIC STRESS-STRAIN RESPONSE OF 2 1/4Cr-1 Mo STEEL AT ELEVATED TEMPERATURES. Fatigue and Fracture of Engineering Materials and Structures, 1986, 9, 185-194.	3.4	5
172	FATIGUE GROWTH OF SURFACE CRACKS IN THE ELASTIC-PLASTIC REGION. Fatigue and Fracture of Engineering Materials and Structures, 1985, 8, 23-31.	3.4	13
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