

Yoshikazu Nakai

List of Publications by Year in descending order

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149
papers

1,949
citations

331670

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151
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times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusion orientation dependent flaking process in rolling contact fatigue observed by laminography using ultrabright synchrotron radiation X-ray. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 2200-2214.	3.4	2
2	Effects of rolling reduction and direction on fatigue crack propagation in commercially pure titanium with harmonic structure. <i>International Journal of Fatigue</i> , 2021, 143, 106018.	5.7	13
3	Compliance method to measure crack length and crack closure for automated fatigue crack propagation test of nanocrystalline nickel film. <i>Engineering Fracture Mechanics</i> , 2021, 254, 107925.	4.3	2
4	Effects of Grain Size and Grain Boundary Stability on Mechanical and Fatigue Properties of Nanocrystalline Nickel Thin Films. <i>Materials Transactions</i> , 2021, 62, 1320-1327.	1.2	4
5	Effects of texture and stress sequence on twinning, detwinning and fatigue crack initiation in extruded magnesium alloy AZ31. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 826, 141941.	5.6	17
6	The effects of thermo-mechanical processing on fatigue crack propagation in commercially pure titanium with a harmonic structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138892.	5.6	18
7	Evaluation of Interfacial Fracture Toughness and Interfacial Shear Strength of Typha Spp. Fiber/Polymer Composite by Double Shear Test Method. <i>Materials</i> , 2019, 12, 2225.	2.9	16
8	Effect of bimodal harmonic structure on fatigue properties of austenitic stainless steel under axial loading. <i>International Journal of Fatigue</i> , 2019, 127, 222-228.	5.7	19
9	Fatigue crack initiation site and propagation paths in high-cycle fatigue of magnesium alloy AZ31. <i>International Journal of Fatigue</i> , 2019, 123, 248-254.	5.7	31
10	Observations of Twinning and Detwinning in Magnesium Alloy by Synchrotron Radiation DCT and EBSD. <i>Procedia Structural Integrity</i> , 2019, 23, 83-88.	0.8	8
11	Effect of TiB Orientation on Near-Threshold Fatigue Crack Propagation in TiB-Reinforced Ti-3Al-2.5V Matrix Composites Treated with Heat Extrusion. <i>Materials</i> , 2019, 12, 3685.	2.9	18
12	Mechanism of Fatigue Crack Initiation and Propagation in Commercially Pure Titanium and Titanium Alloy with Bimodal Harmonic Structure. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2019, 66, 97-102.	0.2	2
13	Evaluation of Fatigue Properties under Four-point Bending and Fatigue Crack Propagation in Austenitic Stainless Steel with a Bimodal Harmonic Structure. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 545-553.	0.9	11
14	Evaluation of misorientation on metal material by Diffraction Contrast Tomography measurement Using Synchrotron Radiation. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2019, 2019, OS1605.	0.0	0
15	Effect of plasma surface modification on cell adhesion to PET material. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2019, 2019, J02305.	0.0	0
16	Fractographic analysis of fatigue crack initiation and propagation in CP titanium with a bimodal harmonic structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 716, 228-234.	5.6	30
17	Statistical fatigue properties and small fatigue crack propagation in bimodal harmonic structured Ti-6Al-4V alloy under four-point bending. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 711, 29-36.	5.6	34
18	Fatigue Damage Evaluation by Diffraction Contrast Tomography Using Ultra-Bright Synchrotron Radiation. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0

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19	Observation of Flaking Process in Rolling Contact Fatigue by Laminography Using Ultra-bright Synchrotron Radiation. MATEC Web of Conferences, 2018, 165, 11002.	0.2	1
20	Study on cell adhesion using plasma surface modification method. The Proceedings of Mechanical Engineering Congress Japan, 2018, 2018, J0270102.	0.0	0
21	4D observations of rolling contact fatigue processes by laminography using ultra-bright synchrotron radiation. Engineering Fracture Mechanics, 2017, 183, 180-189.	4.3	11
22	Change of misorientation of individual grains in fatigue of polycrystalline alloys by diffraction contrast tomography using ultrabright synchrotron radiation. Procedia Structural Integrity, 2017, 3, 402-410.	0.8	9
23	Evaluation of near-threshold fatigue crack propagation in harmonic-structured CP titanium with a bimodal grain size distribution. Engineering Fracture Mechanics, 2017, 181, 77-86.	4.3	37
24	Rolling Contact Fatigue Damage from Artificial Defects and Sulphide Inclusions in High Strength Steel. Procedia Structural Integrity, 2017, 7, 468-475.	0.8	11
25	Observation of the initial process of internal fracture in very high cycle fatigue in Ti-6Al-4V by synchrotron radiation $\frac{1}{4}$ CT imaging. Transactions of the JSME (in Japanese), 2017, 83, 17-00104-17-00104.	0.2	2
26	Recent Trends of Fatigue Research. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 621-626.	0.2	2
27	Detection of small internal fatigue cracks in Ti-6Al-4V by using synchrotron radiation $\frac{1}{4}$ CT imaging. Mechanical Engineering Letters, 2016, 2, 16-00233-16-00233.	0.6	14
28	Effect of harmonic structure design with bimodal grain size distribution on near-threshold fatigue crack propagation in Ti-6Al-4V alloy. International Journal of Fatigue, 2016, 92, 616-622.	5.7	43
29	4D evaluation of grain shape and fatigue damage of individual grains in polycrystalline alloys by diffraction contrast tomography using ultrabright synchrotron radiation. International Journal of Fatigue, 2016, 82, 247-255.	5.7	16
30	Effects of inclusion size and orientation on rolling contact fatigue crack initiation observed by laminography using ultra-bright synchrotron radiation. Procedia Structural Integrity, 2016, 2, 3117-3124.	0.8	7
31	Formation of nitrated layer using atmospheric-controlled IH-FPP and its effect on the fatigue properties of Ti-6Al-4V alloy under four-point bending. Procedia Structural Integrity, 2016, 2, 3432-3438.	0.8	14
32	Misorientation Measurement of Individual Grains in Fatigue of Polycrystalline Alloys by Diffraction Contrast Tomography Using Ultrabright Synchrotron Radiation. Materials Science Forum, 2016, 879, 1355-1360.	0.3	4
33	Non-destructive observation of internal fatigue crack growth in Ti-6Al-4V by using synchrotron radiation $\frac{1}{4}$ CT imaging. International Journal of Fatigue, 2016, 93, 397-405.	5.7	64
34	Effect of defect shape on rolling contact fatigue crack initiation and propagation in high strength steel. International Journal of Fatigue, 2016, 92, 507-516.	5.7	26
35	Evaluation of near-threshold fatigue crack propagation in Ti-6Al-4V Alloy with harmonic structure created by Mechanical Milling and Spark Plasma Sintering. Frattura Ed Integrita Strutturale, 2015, 9, .	0.9	8
36	OS4-12 4D Observation of Crack Propagation Behavior under Rolling Contact Fatigue by Synchrotron Radiation Laminography(3D/4D image-based analyses and simulations 4,OS4 3D/4D image-based analyses) Tj ETQq0 0 0 rgBT /Overlock Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 54.	0.0	0

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37	OS8-17 4D Observations of Pit Growth and Crack Initiation under Corrosion Fatigue of High-strength Aluminum Alloy by Micro CT Imaging Using Ultra-bright Synchrotron Radiation(Environmental effect) Tj ETQq1 1 0.784314 rgBT /Overlock 0.0 0 International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 127.	0.0	0
38	OS8-3 Evaluation of High Cycle Fatigue Damage for Austenitic Stainless Steel by Diffraction Contrast Tomography Using Ultra-bright Synchrotron Radiation(Fatigue monitoring,OS8 Fatigue and fracture) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 113.	0.0	0
39	OS8-13 Effects of Harmonic Structure and Grain Size on Fatigue Crack Propagation of Ti-6Al-4V Alloy(Fatigue crack propagation,OS8 Fatigue and fracture mechanics,STRENGTH OF MATERIALS). The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 123.	0.0	0
40	Observation of 3D shape and propagation mode transition of fatigue cracks in Ti-6Al-4V under cyclic torsion using CT imaging with ultra-bright synchrotron radiation. International Journal of Fatigue, 2014, 58, 158-165.	5.7	21
41	Observation of Rolling Contact Fatigue Cracks by Laminography Using Ultra-bright Synchrotron Radiation. , 2014, 3, 159-164.		7
42	Evaluation of rolling contact fatigue crack path in high strength steel with artificial defects. International Journal of Fatigue, 2014, 68, 168-177.	5.7	24
43	4D analysis of pit growth and crack initiation in aluminum alloy under corrosion fatigue using synchrotron radiation micro CT imaging. Keikinzo/Journal of Japan Institute of Light Metals, 2014, 64, 564-569.	0.4	1
44	Statistical Analysis of the Tensile Strength of Treated Oil Palm Fiber by Utilisation of Weibull Distribution Model. Open Journal of Composite Materials, 2014, 04, 72-77.	0.8	16
45	Interfacial Fracture Toughness Evaluation of Poly(L-lactide acid)/Natural Fiber Composite by Using Double Shear Test Method. Open Journal of Composite Materials, 2014, 04, 97-105.	0.8	4
46	OS1309 Fatigue limit estimation based on dissipated energy for expanded-magnesium alloy. The Proceedings of the Materials and Mechanics Conference, 2013, 2013, _OS1309-1_-_OS1309-3_.	0.0	0
47	Effect of Hydrogen Absorption on Mechanical Properties of TiNi Shape Memory Alloy Thin Wire. Zairyo/Journal of the Society of Materials Science, Japan, 2012, 61, 905-911.	0.2	3
48	Measurements of Mode I Fiber/Matrix Interfacial Fracture Toughness by Using Real-Size Model Composite Specimens. Zairyo/Journal of the Society of Materials Science, Japan, 2012, 61, 183-188.	0.2	0
49	OS12-6-1 Fracture Mechanics Evaluation of Mode I and Mode II Fiber/Matrix Interfacial Crack by Using Real-Size Model Composite. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS12-6-1.	0.0	1
50	Effect of Yield Phenomenon on Fatigue Damage in Commercially Pure Iron Thin Wires. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 2098-2106.	0.2	1
51	Evaluation of Mode I Fiber/Matrix Interfacial Fracture Toughness and Matrix Toughness in FRP by Using Real-Size Model Composites. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 882-891.	0.2	0
52	Fatigue of Zr-based Bulk Metallic Glass under Cyclic-torsion. Procedia Engineering, 2011, 10, 183-188.	1.2	3
53	Observation of Fatigue Crack Propagation Behavior under Torsional Loading by Using Synchrotron Radiation Micro-CT Imaging. Procedia Engineering, 2011, 10, 1479-1484.	1.2	6
54	Initiation and Growth of Pits and Cracks in Corrosion Fatigue for High Strength Aluminium Alloy Observed by Micro Computed-Tomography Using Ultra-Bright Synchrotron Radiation. Applied Mechanics and Materials, 2011, 83, 162-167.	0.2	9

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55	OS12F018 Fracture Mechanics Evaluation of Mode I and Mode II Fiber/Matrix Interfacial Crack by Using Real-Size Model Composite. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS12F018- OS12F018-.	0.0	0
56	OS05-2-3 Development of Three-dimensional Grain Mapping Technique Using SPring-8. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS05-2-3-.	0.0	0
57	OS12-1-3 Effect of Yield Stress on Fatigue Damage in Commercially Pure Iron Thin Wires. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS12-1-3-.	0.0	0
58	OS05-1-2 Evaluation of Torsional Fatigue Crack Propagation by Shinchrotron Radiation Micro-CT Imaging. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS05-1-2-.	0.0	0
59	OS05-4-3 Observation of Delamination Defects and Cracks in High-strength Steels under Rolling Contact Fatigue by SR Micro CT Imaging. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS05-4-3-.	0.0	0
60	Observations of corrosion pits and cracks in corrosion fatigue of high strength aluminum alloy by computed-tomography using synchrotron radiation. EPJ Web of Conferences, 2010, 6, 35004.	0.3	3
61	Stress Corrosion and Corrosion Fatigue Crack Growth of Zr-Based Bulk Metallic Glass in Aqueous Solutions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1792-1798.	2.2	13
62	Fatigue strength of sharp notched plate of Zr-based bulk metallic glass. Procedia Engineering, 2010, 2, 147-154.	1.2	2
63	Observation of crack propagation under torsion fatigue tests by synchrotron radiation $\int_{-\infty}^{\infty} \delta(x) dx = 1altimg="s1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/sb-dtd" style="font-size: small; color: yellow; text-align: center;">$	1.2	2
64	Fatigue Crack Initiation and Propagation at a Sharp Notch in Zr-Based Bulk Metallic Glass. Materials Science Forum, 2010, 638-642, 1659-1664.	0.3	1
65	Fatigue Strength of Notched Components of Zr-Based Bulk Metallic Glass. Zairyo/Journal of the Society of Materials Science, Japan, 2010, 59, 104-109.	0.2	3
66	Observation of fretting fatigue cracks by micro-computed-tomography using ultrabright synchrotron radiation. , 2009, , .		2
67	Detection of Defects in Printed Wire by High-Temperature Superconductor SQUID Microscope. Zairyo/Journal of the Society of Materials Science, Japan, 2009, 58, 808-814.	0.2	0
68	Environment Assisted Crack Propagation in Zr-Based Bulk Metallic Glass. Zairyo/Journal of the Society of Materials Science, Japan, 2009, 58, 219-224.	0.2	0
69	Fatigue of Zr-based Bulk Metallic Glass Under Compressionâ€“compression Stress. Advanced Engineering Materials, 2008, 10, 1026-1029.	3.5	12
70	Evaluation of Fiber/Matrix Interfacial Fracture Toughness and Its Contribution to Composite Toughness by Using Two and Four-Fibers Model Composite Specimens. Zairyo/Journal of the Society of Materials Science, Japan, 2008, 57, 1205-1211.	0.2	2
71	Notched Fatigue of Zr-Based Bulk Metallic Glass. Key Engineering Materials, 2007, 345-346, 259-262.	0.4	4
72	Environment-Assisted Cracking of Zr-Based Bulk Metallic Glass. Materials Science Forum, 2007, 561-565, 1279-1282.	0.3	6

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73	Fatigue Crack Initiation and Small-Crack Propagation in Zr-Based Bulk Metallic Glass. Materials Transactions, 2007, 48, 1770-1773.	1.2	22
74	Effects of Stress Ratio and Frequency on Fatigue Crack Growth Behavior of Zr-Based Bulk Metallic Glass. Zairyo/Journal of the Society of Materials Science, Japan, 2007, 56, 229-235.	0.2	10
75	Observation of Cracks in Steels Using Synchrotron Radiation X-Ray Micro Tomography. Zairyo/Journal of the Society of Materials Science, Japan, 2007, 56, 951-957.	0.2	14
76	2317 Crack Initiation and Propagation in High Strength Steel under Torsional Fatigue. The Proceedings of the JSME Annual Meeting, 2007, 2007.1, 351-352.	0.0	0
77	OS3-3-1 Fatigue Damage Evaluation of SUS304 Steel Using Magnetism Change in Fatigue Process. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2007, 2007.6, _OS3-3-1-1-_OS3-3-1-6.	0.0	1
78	616 Crack Initiation and Propagation in Zr-based Bulk Metallic Glass. The Proceedings of the Materials and Mechanics Conference, 2007, 2007, 457-458.	0.0	0
79	Quantitative Analysis of Inclusions in High-strength Steels by X-ray Computed Tomography Using Ultra-bright Synchrotron Radiation. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2006, 72, 1846-1852.	0.2	7
80	717 Fatigue Crack Initiation Mechanism In Zr-based Bulk Metallic Glass. The Proceedings of Conference of Kansai Branch, 2006, 2006.81, _7-17_.	0.0	3
81	Suppression of Delamination Crack Propagation in Laminated Composites by Using Thin SMA Plates. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2005, 71, 905-912.	0.2	0
82	Development of Fatigue Test Method and Size Effect of Fatigue Strength in Metallic Thin Wires. Zairyo/Journal of the Society of Materials Science, Japan, 2005, 54, 284-289.	0.2	6
83	Detection and Observation of Fatigue Damage in Metallic Thin Wires with an A.C. Potential Method and a Digital Microscopy. Zairyo/Journal of the Society of Materials Science, Japan, 2005, 54, 1047-1051.	0.2	1
84	Three-Dimensional Micromechanics Analysis of Strain Energy Release Rate Distribution along Delamination Crack Front in FRP. , 2004, , 439-444.		2
85	Electroreflectance and photoluminescence studies on thermally oxidized porous silicon. Physica Status Solidi A, 2003, 197, 482-486.	1.7	3
86	Observations of Fatigue Slip-Band Growth and Crack Initiation in .ALPHA.-Brass under Cyclic Shear Stresses by Means of Atomic-Force Microscopy. Zairyo/Journal of the Society of Materials Science, Japan, 2003, 52, 625-630.	0.2	5
87	OS5(2)-6(OS05W0361) Characterization of Fatigue Crack Initiation in Î±-Brass by Means of AFM and EBSP. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003, 92.	0.0	0
88	OS09W0347 Suppression effect for mode I propagation of delamination cracks in a laminated composite by using thin SMA plates. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003.2, _OS09W0347-_OS09W0347.	0.0	0
89	OS9(1)-2(OS09W0347) Suppression Effect for Mode I Propagation of Delamination Cracks in a Laminated Composite by Using Thin SMA Plates. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003, 120.	0.0	0
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91	OS05W0361 Characterization of fatigue crack initiation in $\hat{1}\pm$ -brass by means of AFM and EBSP. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003.2, _OS05W0361-_OS05W0361.	0.0	0
92	Effects of loading frequency and environment on delamination fatigue crack growth of CFRP. International Journal of Fatigue, 2002, 24, 161-170.	5.7	31
93	Effects of Interfacial Adhesive Property and Stress Ratio on Temperature Increase of Short-Fiber Reinforced Thermoplastics under Fatigue Loading. Journal of the Adhesion Society of Japan, 2002, 38, 116-123.	0.0	0
94	Evaluation of Fatigue Damage and Fatigue Crack Initiation Process by Means of Atomic-Force Microscopy. Zairyo/Journal of the Society of Materials Science, Japan, 2001, 50, 73-81.	0.2	8
95	Recent Progress of Experimental and Measuring Technology. Quantitative Evaluation of Slip-Band Growth and Crack Initiation in Fatigue of 70-30 Brass by Means of Atomic-Force Microscopy.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2001, 67, 476-482.	0.2	4
96	Classification of $\hat{1}^3\hat{1}^3$ and $\hat{1}^3\hat{1}^2$ lamellar boundaries on the basis of continuity of strains and slip-twinning planes in fatigued TiAl polysynthetically twinned crystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2001, 81, 1447-1471.	0.6	15
97	Classification of $\hat{1}^3\hat{1}^3$ and $\hat{1}^3\hat{1}^2$ lamellar boundaries on the basis of continuity of strains and slip-twinning planes in fatigued TiAl polysynthetically twinned crystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2001, 81, 1447-1471.	0.6	2
98	Effects of Frequency and Environment on Mode II Delamination Fatigue Crack Growth in CFRP Laminates.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2000, 66, 1695-1702.	0.2	0
99	Microscopic and Mesoscopic Evaluations of Materials. Observation of Fatigue Crack Initiation Process in .ALPHA.-Brass by AFM.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1999, 65, 483-490.	0.2	5
100	Near-Threshold Fatigue Crack Growth Behavior of SUS304 Steel at High Temperatures Using Interferometric Strain/Displacement Gage. 2nd Report, Fatigue Crack Growth Behavior.. JSME International Journal Series A-Solid Mechanics and Material Engineering, 1999, 42, 97-103.	0.4	1
101	Near-Threshold Fatigue Crack Growth Behavior of SUS304 Steel at High Temperatures Using Interferometric Strain/Displacement Gage. 1st Report, Crack Closure Behavior.. JSME International Journal Series A-Solid Mechanics and Material Engineering, 1999, 42, 90-96.	0.4	2
102	Effect of Surface Treatment for Fibers on Fatigue Behavior of (GF/PP) Fuel-Injection Short-Fiber Reinforced Plastics.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1999, 65, 643-648.	0.2	1
103	Observations of fatigue slip-bands and stage I crack-initiation process in $\hat{1}\pm$ -brass using scanning atomic-force microscopy. , 1999, , 343-352.		5
104	Delamination Crack Growth of Unidirectional CFRP Laminates under Variable Temperature. 1st Report. 130.DEG.C. Cure Type Epoxy Resin Matrix.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1998, 64, 584-589.	0.2	0
105	Effect of Surface Treatment for Fibers on Stress Relaxation of Short-Fiber Reinforced Plastics.. Zairyo/Journal of the Society of Materials Science, Japan, 1998, 47, 484-488.	0.2	0
106	Near-Threshold Fatigue Crack Growth Behavior of SUS304 Steel at High Temperatures Using Interferometric Strain/Displacement Gage. 1st Report. Crack Closure Behavior.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1997, 63, 1159-1165.	0.2	0
107	Near-Threshold Fatigue Crack Growth Behavior of SUS304 Steel at High Temperatures Using Interferometric Strain/Displacement Gage. 2nd Report. Fatigue Crack Growth Behavior.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1997, 63, 1166-1171.	0.2	0
108	Observation of fatigue damage in structural steel by scanning atomic force microscopy. International Journal of Fatigue, 1997, 19, 223-236.	5.7	33

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109	Fatigue. Effects of Fiber Orientation and Specimen Width on Delamination Fatigue Crack Growth in CFRP Laminates.. Zairyo/Journal of the Society of Materials Science, Japan, 1997, 46, 1210-1216.	0.2	1
110	Effect of Temperature Change on Delamination Crack Growth of Unidirectional CFRP under Cyclic Loading. , 1996, , 279-284.		1
111	Special Issue on Fracture Mechanics. Effects of Frequency and Temperature on Delamination Fatigue Crack Growth of Unidirectional CFRP under Constant .DELTA.K Conditions.. Zairyo/Journal of the Society of Materials Science, Japan, 1994, 43, 1258-1263.	0.2	3
112	Effects of Stress Ratio and Oxygen Concentration on Short Surface Crack Growth of High-Strength Aluminum Alloy in Corrosion Fatigue.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1994, 60, 1503-1509.	0.2	1
113	Fatigue crack propagation in aqueous environments. , 1994, , 1243-1275.		1
114	Mechanisms and Mechanics of Fatigue Fracture of Steels. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1993, 79, 908-919.	0.4	13
115	Effects of Frequency and Temperature on Deamination Crack Growth of Unidirectional CFRP under Cyclic Loading.. Zairyo/Journal of the Society of Materials Science, Japan, 1993, 42, 384-390.	0.2	3
116	Short Surface Crack Growth of High-Strength Aluminum Alloy in Corrosion Fatigue.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1992, 58, 359-366.	0.2	1
117	FATIGUE AND FRACTURE RESISTANCE OF INTERFACIAL CRACKS IN CLAD STEELS. , 1992, , 451-456.		1
118	Strength of interface in stainless clad steels.. Zairyo/Journal of the Society of Materials Science, Japan, 1990, 39, 375-381.	0.2	4
119	Measurement of short crack lengths by an a.c. potential method. Engineering Fracture Mechanics, 1989, 32, 581-589.	4.3	10
120	Short surface crack growth of a high-strength low-alloy steel under cyclic loading in 3.5% NaCl solution.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1989, 55, 1724-1732.	0.2	6
121	Measurement of short surface crack lengths by an AC potential method.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1989, 55, 543-549.	0.2	3
122	Effects of frequency and temperature on short fatigue crack growth in aqueous environments. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1988, 19, 543-548.	1.4	19
123	Closure and growth behavior of short fatigue cracks at notches in 3% silicon iron.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1988, 54, 196-204.	0.2	0
124	Prediction of growth rate of short fatigue cracks.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1987, 53, 387-392.	0.2	5
125	Short-crack growth in corrosion fatigue for a high strength steel. Engineering Fracture Mechanics, 1986, 24, 433-444.	4.3	26
126	Modelling of small fatigue crack growth interacting with grain boundary. Engineering Fracture Mechanics, 1986, 24, 803-819.	4.3	160

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