Yoshikazu Nakai

List of Publications by Citations

138 papers	1,434 citations	19 h-index	34 g-index
151 ext. papers	1,617 ext. citations	1.7 avg, IF	4.27 L-index

#	Paper	IF	Citations
138	Fatigue growth threshold of small cracks **1981**, 17, 519		165
137	PROPAGATION AND NON-PROPAGATION OF SHORT FATIGUE CRACKS AT A SHARP NOTCH. *Fatigue and Fracture of Engineering Materials and Structures*, **1983**, 6, 315-327	3	155
136	Modelling of small fatigue crack growth interacting with grain boundary. *Engineering Fracture Mechanics*, **1986**, 24, 803-819	4.2	132
135	A model of crack-tip slip band blocked by grain boundary. *Mechanics Research Communications*, **1978**, 5, 375-381	2.2	93
134	The effects of stress ratio and grain size on near-threshold fatigue crack propagation in low-carbon steel. *Engineering Fracture Mechanics*, **1981**, 15, 291-302	4.2	79
133	Non-destructive observation of internal fatigue crack growth in Ti□6Al□4V by using synchrotron radiation □CT imaging. *International Journal of Fatigue*, **2016**, 93, 397-405	5	44
132	Prediction of Fatigue Threshold of Notched Components. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **1984**, 106, 192-199	1.8	30
131	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	29
130	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	4.2	27
129	Effects of loading frequency and environment on delamination fatigue crack growth of CFRP. *International Journal of Fatigue*, **2002**, 24, 161-170	5	24
128	Statistical fatigue properties and small fatigue crack propagation in bimodal harmonic structured Ti-6Al-4V alloy under four-point bending. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 711, 29-36	5.3	24
127	Observation of fatigue damage in structural steel by scanning atomic force microscopy. *International Journal of Fatigue*, **1997**, 19, 223-236	5	23
126	??????????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **1984**, 33, 1045-1051	0.1	23
125	Fractographic analysis of fatigue crack initiation and propagation in CP titanium with a bimodal harmonic structure. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 716, 228-234	5.3	22
124	Plastic deformation around a fatigue crack near threshold in 3%Si?Fe. *Materials Science and Engineering*, **1982**, 55, 85-96		22
123	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	20
122	Fracture mechanics approach to fatigue crack initiation from deep notches. *Engineering Fracture Mechanics*, **1983**, 18, 1011-1023	4.2	20

121	Fatigue Crack Initiation and Small-Crack Propagation in Zr-Based Bulk Metallic Glass. *Materials Transactions*, **2007**, 48, 1770-1773	1.3	19
120	Short-crack growth in corrosion fatigue for a high strength steel. *Engineering Fracture Mechanics*, **1986**, 24, 433-444	4.2	19
119	Fatigue crack initiation site and propagation paths in high-cycle fatigue of magnesium alloy AZ31. *International Journal of Fatigue*, **2019**, 123, 248-254	5	18
118	??????????????????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **1982**, 31, 376-382	0.1	17
117	Observation of 3D shape and propagation mode transition of fatigue cracks in Ti□Al□V under cyclic torsion using CT imaging with ultra-bright synchrotron radiation. *International Journal of Fatigue*, **2014**, 58, 158-165	5	16
116	Evaluation of rolling contact fatigue crack path in high strength steel with artificial defects. *International Journal of Fatigue*, **2014**, 68, 168-177	5	16
115	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		15
114	Fatigue Crack Initiation and Early Propagation in 3% Silicon Iron207-207-26		14
113	Evaluation of Interfacial Fracture Toughness and Interfacial Shear Strength of Typha Spp. Fiber/Polymer Composite by Double Shear Test Method. *Materials*, **2019**, 12,	3.5	13
112	The effects of thermo-mechanical processing on fatigue crack propagation in commercially pure titanium with a harmonic structure. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 773, 138892	5.3	13
111	??????????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **1983**, 32, 535-541	0.1	12
110	Effect of bimodal harmonic structure on fatigue properties of austenitic stainless steel under axial loading. *International Journal of Fatigue*, **2019**, 127, 222-228	5	11
109	Classification of □a and □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		11
108	Mechanisms and Mechanics of Fatigue Fracture of Steels. *Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan*, **1993**, 79, 908-919	0.5	11
107	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	0.1	11
106	Effect of TiB Orientation on Near-Threshold Fatigue Crack Propagation in TiB-Reinforced Ti-3Al-2.5V Matrix Composites Treated with Heat Extrusion. *Materials*, **2019**, 12,	3.5	11
105	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	2.3	10
104	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	0.1	10

103	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	1.1	10
102	Detection of small internal fatigue cracks in Ti-6Al-4V by using synchrotron radiation CT imaging. *Mechanical Engineering Letters*, **2016**, 2, 16-00233-16-00233	0.5	10
101	Formation of nitrided 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	1	10
100	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	0.3	9
99	Fatigue of Zr-based Bulk Metallic Glass Under Compression–compression Stress. *Advanced Engineering Materials*, **2008**, 10, 1026-1029	3.5	9
98	Measurement of short crack lengths by an a.c. potential method. *Engineering Fracture Mechanics*, **1989**, 32, 581-589	4.2	9
97	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	9
96	Rolling Contact Fatigue Damage from Artificial Defects and Sulphide Inclusions in High Strength Steel. *Procedia Structural Integrity*, **2017**, 7, 468-475	1	8
95	Evaluation of Fatigue Properties under Four-point Bending and Fatigue Crack Propagation in Austenitic Stainless Steel with a Bimodal Harmonic Structure. *Frattura Ed Integrita Strutturale*, **2019**, 13, 545-553	0.9	8
94	4D observations of rolling contact fatigue processes by laminography using ultra-bright synchrotron radiation. *Engineering Fracture Mechanics*, **2017**, 183, 180-189	4.2	7
93	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	0.1	7
92	Environment-Assisted Cracking of Zr-Based Bulk Metallic Glass. *Materials Science Forum*, **2007**, 561-565, 1279-1282	0.4	6
91	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		6
90	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		6
89	??????????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **1983**, 32, 19-25	0.1	6
88	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	0.1	6
87	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	6
86	Effects of rolling reduction and direction on fatigue crack propagation in commercially pure titanium with harmonic structure. *International Journal of Fatigue*, **2021**, 143, 106018	5	6

85	Observation of Fatigue Crack Propagation Behavior under Torsional Loading by Using Synchrotron Radiation Micro-CT Imaging. *Procedia Engineering*, **2011**, 10, 1479-1484		5
84	Mechanisms and Mechanics of Fatigue Crack Propagation in Zr-Based Bulk Metallic Glass. *Key Engineering Materials*, **2008**, 378-379, 317-328	0.4	5
83	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		5
82	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		5
81	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	0.1	5
80	Observation of Rolling Contact Fatigue Cracks by Laminography Using Ultra-bright Synchrotron Radiation **2014**, 3, 159-164		4
79	Notched Fatigue of Zr-Based Bulk Metallic Glass. *Key Engineering Materials*, **2007**, 345-346, 259-262	0.4	4
78	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		4
77	??. *Zairyo/Journal of the Society of Materials Science, Japan*, **1982**, 31, 1121-1127	0.1	4
76	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	1.1	4
75	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	1	4
74	Observations of Twinning and Detwinning in Magnesium Alloy by Synchrotron Radiation DCT and EBSD. *Procedia Structural Integrity*, **2019**, 23, 83-88	1	4
73	Fatigue of Zr-based Bulk Metallic Glass under Cyclic-torsion. *Procedia Engineering*, **2011**, 10, 183-188		3
72	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
71	Electroreflectance and photoluminescence studies on thermally oxidized porous silicon. *Physica Status Solidi A*, **2003**, 197, 482-486		3
70	Simple formulae of stress intensity factor for cracks emanating from notches.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **1984**, 50, 2017-2021		3
69	Strength of interface in stainless clad steels.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1990**, 39, 375-381	0.1	3
68	Fatigue Strength of Notched Components of Zr-Based Bulk Metallic Glass. *Zairyo/Journal of the Society of Materials Science, Japan*, **2010**, 59, 104-109	0.1	3

67	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	0.4	2
66	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	1	2
65	Observation of the initial process of internal fracture in very high cycle fatigue in Ti-6Al-4V by synchrotron radiation □CT imaging. *Transactions of the JSME (in Japanese)*, **2017**, 83, 17-00104-17-00104	0.2	2
64	Evaluation of Fatigue Damage by Diffraction Contrast Tomography Using Synchrotron Radiation. *Advanced Materials Research*, **2014**, 891-892, 600-605	0.5	2
63	Fatigue strength of sharp notched plate of Zr-based bulk metallic glass. *Procedia Engineering*, **2010**, 2, 147-154		2
62	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		2
61	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	0.1	2
60	Scanning Atomic-Force Microscopy on Initiation and Growth Behavior of Fatigue Slip-Bands in □Brass122-122-14		2
59	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	0.1	2
58	717 Fatigue Crack Initiation Mechanism In Zr-based Bulk Metallic Glass. *The Proceedings of Conference of Kansai Branch*, **2006**, 2006.81, _7-17_	0	2
57	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	0.1	2
56	Observations of fatigue slip-bands and stage I crack-initiation process in □brass using scanning atomic-force microscopy **1999**, 343-352		2
55	Classification of □1 and □2 lamellar boundaries on the basis of continuity of strains and slip-twinning planes in fatigued TiAl polysynthetically twinned crystals		2
54	Effects of texture and stress sequence on twinning, detwinning and fatigue crack initiation in extruded magnesium alloy AZ31. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 826, 141941	5.3	2
53	Recent Trends of Fatigue Research. *Zairyo/Journal of the Society of Materials Science, Japan*, **2017**, 66, 621-626	0.1	1
52	Evaluation of Fatigue Damage by Diffraction Contrast Tomography Using Synchrotron Radiation. *Materials Science Forum*, **2014**, 783-786, 2359-2364	0.4	1
51	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		1
50	Fatigue Crack Initiation and Propagation at a Sharp Notch in Zr-Based Bulk Metallic Glass. *Materials Science Forum*, **2010**, 638-642, 1659-1664	0.4	1

49	Observation of fretting fatigue cracks by micro-computed-tomography using ultrabright synchrotron radiation **2009**,		1
48	Observation of crack propagation under torsion fatigue tests by synchrotron radiation □T imaging. *Procedia Engineering*, **2010**, 2, 1413-1419		1
47	??????????????????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **1979**, 28, 203-210	0.1	1
46	??????????? 2. ??????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **2003**, 52, 325-331	0.1	1
45	Three-Dimensional Micromechanics Analysis of Strain Energy Release Rate Distribution along Delamination Crack Front in FRP **2004**, 439-444		1
44	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	0.1	1
43	Fatigue crack propagation in aqueous environments **1994**, 1243-1275		1
42	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	0.1	1
41	Mechanism of Fatigue Crack Initiation and Propagation in Commercially Pure Titanium and Titanium Alloy with Bimodal Harmonic Structure. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2019**, 66, 97-102	0.2	1
40	Stress Ratio Effect on Fatigue Crack Initiation Mechanism of Magnesium Alloy AZ31. *Materials Science Forum*,1016, 1003-1008	0.4	1
39	Effects of Grain Size and Grain Boundary Stability on Mechanical and Fatigue Properties of Nanocrystalline Nickel Thin Films. *Materials Transactions*, **2021**, 62, 1320-1327	1.3	1
38	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
37	Observation of Flaking Process in Rolling Contact Fatigue by Laminography Using Ultra-bright Synchrotron Radiation. *MATEC Web of Conferences*, **2018**, 165, 11002	0.3	0
36	Compliance method to measure crack length and crack closure for automated fatigue crack propagation test of nanocrystalline nickel film. *Engineering Fracture Mechanics*, **2021**, 254, 107925	4.2	0
35	4D analysis of pit growth and crack initiation in aluminum alloy under corrosion fatigue using synchrotron radiation micro CT imaging. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2014**, 64, 564-569	0.3	
34	Fatigue of Ultra-Fine Grained ⊞Brass. *Advanced Materials Research*, **2014**, 891-892, 1125-1130	0.5	
33	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	
32	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		

31	Effect of Inhomogeneity of Zr-Based Bulk Metallic Glass Plate on Fatigue Strength under Torsion. *Materials Science Forum*, **2012**, 706-709, 1331-1336	0.4
30	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	
29	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	0.1
28	OS5(2)-6(OS05W0361) Characterization of Fatigue Crack Initiation in □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
27	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-_OS09W0	0
26	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**,	0
25	OS05W0361 Characterization of fatigue crack initiation in □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
24	2317 Crack Initiation and Propagation in High Strength Steel under Tortional Fatigue. *The Proceedings of the JSME Annual Meeting*, **2007**, 2007.1, 351-352	
23	616 Crack Initiation and Propagation in Zr-based Balk Metallic Glass. *The Proceedings of the Materials and Mechanics Conference*, **2007**, 2007, 457-458	0
22	Study on cell adhesion using plasma surface modification method. *The Proceedings of Mechanical Engineering Congress Japan*, **2018**, 2018, J0270102	0
21	Evaluation of misorientation on metal material by Diffraction Contrast Tomography measurement Using Synchrotron Radiation. *The Proceedings of the Materials and Mechanics Conference*, **2019**, 2019, OS1605	0
20	Effect of plasma surface modification on cell adhesion to PET material. *The Proceedings of Mechanical Engineering Congress Japan*, **2019**, 2019, J02305	0
19	FATIGUE AND FRACTURE RESISTANCE OF INTERFACIAL CRACKS IN CLAD STEELS **1992**, 451-456	
18	Effect of Temperature Change on Delamination Crack Growth of Unidirectional CFRP under Cyclic Loading **1996**, 279-284	
17	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	0.1
16	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	0.1
15	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 and simulations,MEASUREMENT METHODS). *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2015**, 2015.14, 54	0
14	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 on fatigue,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, 127	0

13	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 mechanics,STRENGTH OF MATERIALS). *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2015**, 2015.14, 113	0
12	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
11	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	0.1
10	Environment Assisted Crack Propagation in Zr-Based Bulk Metallic Glass. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 219-224	0.1
9	Importance of Inhomogeneity on Fatigue Strength of Bulk Metallic Glass393-409	
8	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--_OS12F0	0
7	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
6	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
5	OS05-1-2 Evaluation of Torsional Fatigue Crack Propagation by Shinchrotoron 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
4	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
3	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	0.1
2	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
1	Fatigue Damage Evaluation by Diffraction Contrast Tomography Using Ultra-Bright Synchrotron Radiation. *Proceedings (mdpi)*, **2018**, 2, 380	0.3