

# Yoshiaki Akiniwa

## List of Publications by Citations

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papers

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167  
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614  
ext. citations

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L-index

#	Paper	IF	Citations
163	Notch effect on fatigue strength reduction of bearing steel in the very high cycle regime. <i>International Journal of Fatigue</i> , <b>2006</b> , 28, 1555-1565	5	95
162	Misorientation Analysis of Plastic Deformation of Austenitic Stainless Steel by EBSD and X-Ray Diffraction Methods. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2005</b> , 71, 1722-1728		36
161	Evaluation of Residual Stress Distribution in Shot-Peened Steel by Synchrotron Radiation. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2003</b> , 52, 764-769	0.1	23
160	Diffraction Measurements of Residual Macrostress and Microstress Using X-Rays, Synchrotron and Neutrons. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , <b>2004</b> , 47, 252-263		20
159	Changes of Internal Stress in Solid-Oxide Fuel Cell During Red-Ox Cycle Evaluated by In Situ Measurement With Synchrotron Radiation. <i>Journal of Fuel Cell Science and Technology</i> , <b>2006</b> , 3, 68-74		16
158	Fatigue Crack Initiation Behavior in Ultrafine-Grained Steel Observed by AFM and EBSP. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , <b>2004</b> , 47, 331-340		16
157	Development of engineering diffractometer at J-PARC. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 1043-1045	2.8	15
156	Effect of residual stresses on fatigue strength of severely surface deformed steels by shot peening. <i>Powder Diffraction</i> , <b>2009</b> , 24, S37-S40	1.8	14
155	R-curve behavior in fracture of notched porous ceramics. <i>Engineering Fracture Mechanics</i> , <b>2003</b> , 70, 1101-1113	1.13	14
154	Evaluation of Fatigue Strength in Very-long Life Regime of SNCM439 Steels. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2004</b> , 70, 1036-1041		12
153	Prediction of Fatigue Crack Propagation Path from a Pre-Crack under Combined Torsional and Axial Loading. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2005</b> , 71, 607-614		11
152	Mechanisms and Mechanics of Fatigue Fracture of Steels. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , <b>1993</b> , 79, 908-919	0.5	11
151	EBSD-AFM Hybrid Analysis on Early Fatigue Damage in Austenitic Stainless Steel under Cyclic Torsional Loading. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 936-943	0.1	10
150	Correction of Surface Aberration in Strain Scanning Method with Analyzer. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 101-108	0.1	10
149	Neutron and X-Ray Diffraction Measurements of Phase Stresses in SiC Particulate Reinforced Aluminum Composite.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>1998</b> , 47, 755-761	0.1	10
148	Residual and assembling stress analyses on fillet welded joints of flange pipes and the fatigue strength prediction. <i>Thin-Walled Structures</i> , <b>2019</b> , 136, 138-149	4.7	9
147	Effect of Microstructure on Fatigue Crack Propagation Behavior in Ultrafine-Grained Steel.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2002</b> , 51, 795-800	0.1	9

146	Residual Stress Distribution in the Sub-Surface Region of Shot-Peened Ceramics. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2005</b> , 71, 1714-1721		9
145	X-Ray Evaluation of Deformation Damage in Electrodeposited Copper Foil under Tensile and Fatigue Loading. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 627-633	0.1	9
144	Re-evaluation of formulae for X-ray stress analysis in polycrystalline specimens with fibre texture: experimental confirmation. <i>Journal of Applied Crystallography</i> , <b>2009</b> , 42, 776-782	3.8	8
143	Application of Strain Scanning Method to Stress Measurement of Austenitic Stainless Steel. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 647-653	0.1	8
142	Evaluation of material properties of SiC particle reinforced aluminum alloy composite using neutron and X-ray diffraction. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 437, 93-99	5.3	8
141	Smart structure for suppression of mode I and II crack propagation in CFRP laminates by shape memory alloy TiNi actuator. <i>International Journal of Fatigue</i> , <b>2006</b> , 28, 1147-1153	5	8
140	In-Situ Stress Measurement of Bond Coatings at High Temperature by High-Energy Synchrotron X-Rays. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2003</b> , 52, 756-763	0.1	8
139	Propagation and closure of small cracks in SiC particulate reinforced aluminum alloy in high cycle and low cycle fatigue. <i>Engineering Fracture Mechanics</i> , <b>1996</b> , 55, 751-762	4.2	8
138	Measurement of Stress Distribution Near Notch and Fatigue Crack in Ultra-Fine Grained Steel by Synchrotron Radiation. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2004</b> , 53, 752-757	0.1	8
137	Fatigue damage evaluation in SiCp/2024 by X-ray diffraction method. <i>International Journal of Fatigue</i> , <b>2006</b> , 28, 1406-1412	5	7
136	Measurement of Residual Stress Distribution by Strain Scanning Method using High Energy X-rays from Synchrotron Source. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2005</b> , 71, 1530-1537		7
135	Propagation and Arrest of Fatigue Cracks from a Pre-crack under Cyclic Torsional Loading in Medium-Carbon Steel.. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2001</b> , 67, 2032-2038		7
134	High-Energy X-Ray Synchrotron Radiation Analysis of Residual-Stress Distribution of Shot-Peened Steel. <i>Materials Science Forum</i> , <b>2002</b> , 404-407, 341-348	0.4	7
133	Oxidization of Thermal Barrier Coatings and Spalling Stress Analyzed with Synchrotron X-Rays. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2004</b> , 53, 734-739	0.1	7
132	Bending fatigue behaviour and microstructure in welded high-strength bolt structures. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2019</b> , 233, 3557-3569	1.3	6
131	In-situ Measurement of Internal Stresses in Solid Oxide Fuel Cells during Thermal Cycling by Synchrotron Radiation. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 440-446	0.1	6
130	Determination of Residual Stress Distribution in Severe Surface Deformed Steel by Shot Peening. <i>Materials Science Forum</i> , <b>2008</b> , 571-572, 15-20	0.4	5
129	Bending Strength of Smooth and Notched Specimens of Porous Silicon Carbide.. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>1999</b> , 65, 2385-2392		5

128	Analysis on Residual Stress Distribution in Oxidized Thermal Barrier Coatings. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 679-684	0.1	5
127	Prediction of Residual Stress Distribution in Severe Surface Deformed Steel by Constant Penetration Depth Method. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2008</b> , 57, 660-666	0.1	5
126	A New Method of X-Ray Measurement of Residual Stress in Short-Fiber Reinforced Plastics. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2014</b> , 63, 514-520	0.1	5
125	Fatigue Damage Mechanism of Nanocrystals in ECAP-Processed Copper Investigated by EBSD and AFM Hybrid Methods. <i>Key Engineering Materials</i> , <b>2007</b> , 340-341, 943-948	0.4	4
124	Gigacycle Fatigue Properties Evaluation for Martensitic Stainless Steels by Using Ultrasonic Fatigue Tests (Study for Materials with Different Level of Inclusion Size). <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2004</b> , 70, 1080-1086		4
123	Neutron Diffraction Measurements of Residual Stresses in Engineering Materials and Components. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2002</b> , 51, 165-174	0.1	4
122	In-Situ Synchrotron Measurement of Thermal Stress in Textured Copper Thin Films during Thermal Cycling. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2004</b> , 53, 728-733	0.1	4
121	Prediction of Fatigue Crack Propagation Path under Combined Torsional and Axial Loading. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 1281-1287	0.1	4
120	Residual Stress Distribution in TiN Thin Films with Fiber Texture Measured by Grazing Incidence and Scattering Vector X-Ray Methods. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 704-709	0.1	4
119	Least-squares refinement of biaxial stress components and unit-cell parameter in a <111> textured cubic TiN polycrystalline thin film by X-ray diffraction. <i>Powder Diffraction</i> , <b>2010</b> , 25, 25-30	1.8	3
118	Development of Materials Evaluation by Diffraction Method. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2009</b> , 58, 873-878	0.1	3
117	Brittle Fracture Analysis of Porous Ceramics Based on Initiation of Micro Damages. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2007</b> , 56, 244-251	0.1	3
116	Evaluation of Subsurface Distribution of Residual Stress in Austenitic Stainless Steel Using Strain Scanning Method. <i>Materials Science Forum</i> , <b>2006</b> , 524-525, 691-696	0.4	3
115	High Space-Resolutive Evaluation of Subsurface Stress Distribution by Strain Scanning Method with Analyzer Using High-Energy Synchrotron X-Rays. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , <b>2006</b> , 49, 376-381		3
114	Effect of Stress Ratio on Fatigue Threshold of Cracked Components.. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>1998</b> , 64, 1221-1228		3
113	DYNAMIC MEASUREMENT OF CRACK CLOSURE BEHAVIOUR OF SMALL FATIGUE CRACKS BY AN INTERFEROMETRIC STRAIN/DISPLACEMENT GAUGE WITH A LASER DIODE. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , <b>1991</b> , 14, 317-328	3	3
112	Elastic Constants for X-Ray Stress Measurement of Ceramics for Solid Oxide Fuel Cell (SOFC). <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 1080-1086	0.1	3
111	Influence of Measurement Conditions on the Accuracy of Measured Stress Using X-ray 2D Detector. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2014</b> , 63, 521-526	0.1	3

110	X-ray Evaluation of Deformation Behaviour of Copper thin Films Under Uniaxial Loading. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2008</b> , 74, 356-362		2
109	Prediction of Fatigue Thresholds of Steels with Surface Defects. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2008</b> , 57, 140-146	0.1	2
108	Low-Cycle-Fatigue Characteristics of Short Glass Fiber Reinforced Polybutyleneterephthalate. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2007</b> , 56, 406-413	0.1	2
107	Mean-Stress Effect on Fatigue Strength of Short Glass Fiber Reinforced Polybutyleneterephthalate. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 951-957	0.1	2
106	Resistance-Curve Method for Predicting Fatigue Thresholds in Holed Specimens under Combined Torsional-Axial Loading. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2006</b> , 72, 1137-1144		2
105	X-Ray Stress Measurement of Silicon Single Crystal Using Multiple Regression Analysis. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2006</b> , 72, 765-771		2
104	X-Ray Study of Mechanical Properties of TiN Thin Films Coated on Steel by Ion Beam Mixing Method.. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , <b>2003</b> , 46, 86-92		2
103	Fatigue Crack Propagation from a Hole in Thin-Walled Tubular Steel Specimens under Torsional-Axial Loading. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2003</b> , 69, 1001-1008		2
102	Estimation of Spalling Stress in Thermal Barrier Coatings Using Hard Synchrotron X-Rays. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , <b>2004</b> , 47, 318-323		2
101	Effect of microstructure on propagation and non-propagation of short fatigue cracks at notches.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>1989</b> , 38, 1275-1281	0.1	2
100	RESIDUAL STRESS OF ALUMINUM THIN FILMS MEASURED BY X-RAY AND CURVATURE METHODS. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>1996</b> , 45, 153-159	0.1	2
99	Neutron Diffraction Study of Thermal Residual Stress in Ceramic Composite. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2000</b> , 49, 281-286	0.1	2
98	X-Ray Study on Lattice Strain and Domain Switching Induced in Rhombohedral PZT by Poling and External Loading. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2002</b> , 51, 26-31	0.1	2
97	Strain Measurement under Loading in Laser Weld on Austenitic Stainless Steel Using High-Energy Synchrotron Radiation. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2008</b> , 57, 654-659	0.1	2
96	X-Ray Study on Deformation and Fracture of Solid. Residual-Stress Distribution of Shot-Peened Steel Estimated by High-Energy X-Rays from Synchrotron Radiation Source.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2002</b> , 51, 756-763	0.1	2
95	Stress Measurement of Silicon Carbide Particulate Reinforced Aluminum Alloy by Time-of-Flight Neutron Diffraction. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 692-697	0.1	2
94	3. ??????????????. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 785-790	0.1	2
93	Residual Stress and Deformation Characteristics of Thermal Barrier Coatings on Curved Substrate. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 634-640	0.1	2

92	Stress Measurement near Surface Region by Strain Scanning Method Using Neutron Diffraction. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2006</b> , 55, 654-660	0.1	2
91	Measurement of the X-ray Elastic Constants of Amorphous Polycarbonate. <i>Quantum Beam Science</i> , <b>2020</b> , 4, 35	1.6	1
90	Residual Stress Evaluation of Short-Fiber Reinforced Plastics by X-Ray Diffraction. <i>Advanced Materials Research</i> , <b>2014</b> , 996, 951-957	0.5	1
89	Nondestructive evaluation of residual stress in short-fiber reinforced plastics by x-ray diffraction <b>2014</b> ,		1
88	Estimation of Residual Stress and Strength in Fiber-Textured TiN Hard Thin Film. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2009</b> , 58, 581-587	0.1	1
87	X-Ray Measurement of Residual Stress Distribution in Sputtered Cu Thin Films. <i>Materials Science Forum</i> , <b>2012</b> , 706-709, 1649-1654	0.4	1
86	Fatigue Tests of Thin Stainless Steel Sheets Under Bending at Ultrasonic Frequency. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2008</b> , 74, 879-884		1
85	X-Ray Stress Measurement of Nickel-Base Single Crystal Superalloy Using Two-Dimensional PSPC. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2007</b> , 56, 594-601	0.1	1
84	Evaluation for Gigacycle Fatigue Strength of Alloy Tool Steel. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2005</b> , 54, 1206-1212	0.1	1
83	Effect of Polarization on Deformation and Fracture of Tetragonal PZT. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2002</b> , 51, 213-218	0.1	1
82	P22 In-situ X-ray stress measurement in Copper film under tensile loading. <i>Proceedings of the 1992 Annual Meeting of JSME/MMD</i> , <b>2006</b> , 2006, 563-564		1
81	2229 Nanoscopic Analysis on Deformation and Fracture Behavior of Ultrafine-grained Cu Processed by ECAP. <i>The Proceedings of the JSME Annual Meeting</i> , <b>2007</b> , 2007.1, 287-288		1
80	Influence of Strain Distribution in X-Ray Irradiated Area on Diffraction Profile. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2012</b> , 61, 620-626	0.1	1
79	Evaluation of Film Property and Strength in Hexagonal AlN Thin Film. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2012</b> , 61, 598-603	0.1	1
78	Estimation of low-cycle fatigue damage of sputtered Cu thin films at the micro scale using deep learning. <i>Mechatronics</i> , <b>2021</b> , 78, 102606	3	1
77	Prediction of Low-Cycle Fatigue Crack Development of Sputtered Cu Thin Film Using Deep Convolutional Neural Network. <i>International Journal of Fatigue</i> , <b>2022</b> , 106998	5	1
76	Stress Measurement of an Austenitic Stainless Steel Foil by $\cos^2\psi$ Method Using Polychromatic Laboratory X-Rays. <i>Materials Science Forum</i> , <b>2013</b> , 768-769, 19-25	0.4	
75	Strain Measurement Near Fatigue Crack in Ultrafine-Grained Steel by Polychromatic Synchrotron Radiation. <i>Materials Science Forum</i> , <b>2010</b> , 652, 290-295	0.4	

- 74 Measurement of Residual Stress Distribution in Sputtered Cu Thin Films by X-Ray Method. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 575-580 0.1
- 73 X-RAY EVALUATION OF DEFORMATION BEHAVIOR OF SPUTTERED Cu THIN FILMS UNDER TENSILE LOADING. *International Journal of Modern Physics Conference Series*, **2012**, 06, 497-502 0.7
- 72 Evaluation of Deformation Behaviour of Cu Thin Films Sputtered on Polyimide Films by X-Ray Method. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2009**, 75, 103-109
- 71 Microscopic Analysis by EBSD Method on Fatigue Crack Propagation Behaviour in Ultrafine-Grained Copper. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2009**, 75, 742-751
- 70 Complementarity of Diffraction Method for Stress Analysis. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2008**, 74, 302-307
- 69 Study of Stress Measurements Technique for Internal Electrical Connection of Printed Circuit Boards using Synchrotron Radiation. *SAE International Journal of Materials and Manufacturing*, **2008**, 1, 291-298 1
- 68 Molecular Dynamics Analysis for Effect of Defect Size on Fracture Behavior of Single Crystal Silicon. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2006**, 72, 1131-1136
- 67 Fracture Analysis of Brittle Materials based on Initiation and Coalescence of Micro Damages. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2004**, 70, 63-69
- 66 Notch Effect on Fatigue Strength of Porous Ceramics. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2005**, 71, 1256-1263
- 65 X-Ray Stress Measurement of Hexagonal Polycrystals with [001] Fiber Texture. *Advances in X-ray Analysis*, **1995**, 39, 251-255
- 64 Fatigue Fracture Mechanisms of Notched Specimens of Porous Silicon Carbide. *The Proceedings of the JSME Annual Meeting*, **2000**, 2000.3, 291-292
- 63 X-Ray Stress Measurement of TiN Thin Film with  $\approx 10^\circ$  Fiber Texture under External Loading. *Zairyo/Journal of the Society of Materials Science, Japan*, **2000**, 49, 231-236 0.1
- 62 X-Ray Study of Mechanical Properties of TiN Thin Films with Fiber Texture. *The Proceedings of the JSME Annual Meeting*, **2000**, 2000.3, 1-2
- 61 Deformation and Fracture of Piezoelectric Ceramics(Student Poster Session). *Proceedings of the Asian Pacific Conference on Fracture and Strength and International Conference on Advanced Technology in Experimental Mechanics*, **2001**, 2.01.03, 1051-1056
- 60 X-Ray Study of Mechanical Properties of TiN Films Coated on Steel by Ion Beam Mixing(Thin Films). *Proceedings of the Asian Pacific Conference on Fracture and Strength and International Conference on Advanced Technology in Experimental Mechanics*, **2001**, 2.01.03, 982-987
- 59 324 Frequency Effect on Fatigue Fracture of Porous Silicon Carbide. *The Proceedings of Conference of Tokai Branch*, **2001**, 2001.50, 173-174 0
- 58 310 Effect of Film Thickness for Fracture Strength of Fiber Textured TiN Thin Films. *The Proceedings of Conference of Tokai Branch*, **2001**, 2001.50, 145-146 0
- 57 Evaluation of Fatigue Damage in SiCp/2024Al Composite by X-Ray Method(Composite 1). *Proceedings of the Asian Pacific Conference on Fracture and Strength and International Conference on Advanced Technology in Experimental Mechanics*, **2001**, 2.01.03, 575-580

- 56 Fatigue Mechanisms of Porous Silicon Carbide under Cyclic Loading(Ceramics & Rocks 1).  
*Proceedings of the Asian Pacific Conference on Fracture and Strength and International Conference on Advanced Technology in Experimental Mechanics*, **2001**, 1.01.203, 505-510
- 55 OS11(3)-12(OS11W0458) Fatigue Crack Propagation from a Pre-Crack under Combined Torsional and Axial Loading. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 68 ○
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- 53 OS08W0450 Numerical simulation of fracture behavior of brittle materials based on micro-crack formation. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, \_OS08W0450-\_OS08W0450 ○
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- 51 GS(P)-45(GSW0451) Fatigue Crack Propagation in PZT under Mechanical and Electrical Loadings. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 405 ○
- 50 OS12W0443 Elastic-plastic fatigue crack propagation from hole in tubular stainless-steel specimens under combined torsional and axial loading. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, \_OS12W0443-\_OS12W0443 ○
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- 46 GSW0439 Fatigue crack propagation and stress-induced martensitic transformation behavior in TiNi. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, \_GSW0439-1-\_GSW0439-6 ○
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