Yoshiaki Akiniwa

List of Publications by Year in Descending Order

163 papers	583 citations	11 h-index	20 g-index
167 ext. papers	614 ext. citations	0.8 avg, IF	3.45 L-index

#	Paper	IF	Citations
163	Prediction of Low-Cycle Fatigue Crack Development of Sputtered Cu Thin Film Using Deep Convolutional Neural Network. *International Journal of Fatigue*, **2022**, 106998	5	1
162	Estimation of low-cycle fatigue damage of sputtered Cu thin films at the micro scale using deep learning. *Mechatronics*, **2021**, 78, 102606	3	1
161	Measurement of the X-ray Elastic Constants of Amorphous Polycarbonate. *Quantum Beam Science*, **2020**, 4, 35	1.6	1
160	Residual and assembling stress analyses on fillet welded joints of flange pipes and the fatigue strength prediction. *Thin-Walled Structures*, **2019**, 136, 138-149	4.7	9
159	Bending fatigue behaviour and microstructure in welded high-strength bolt structures. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2019**, 233, 3557-3569	1.3	6
158	Effect of Thermal History on Deformation Behavior of Sputtered Aluminum Thin Films. *Zairyo/Journal of the Society of Materials Science, Japan*, **2016**, 65, 170-175	0.1	
157	Residual Stress Evaluation of Short-Fiber Reinforced Plastics by X-Ray Diffraction. *Advanced Materials Research*, **2014**, 996, 951-957	0.5	1
156	Nondestructive evaluation of residual stress in short-fiber reinforced plastics by x-ray diffraction **2014**,		1
155	A New Method of X-Ray Measurement of Residual Stress in Short-Fiber Reinforced Plastics. *Zairyo/Journal of the Society of Materials Science, Japan*, **2014**, 63, 514-520	0.1	5
154	Influence of Measurement Conditions on the Accuracy of Measured Stress Using X-ray 2D Detector. *Zairyo/Journal of the Society of Materials Science, Japan*, **2014**, 63, 521-526	0.1	3
153	Stress Measurement of an Austenitic Stainless Steel Foil by cos2Method Using Polychromatic Laboratory X-Rays. *Materials Science Forum*, **2013**, 768-769, 19-25	0.4	
152	Influence of Microstructure on Bending Strength of Hot-Deformed Nd-Fe-B Magnets. *Zairyo/Journal of the Society of Materials Science, Japan*, **2013**, 62, 451-456	0.1	
151	X-Ray Measurement of Residual Stress Distribution in Sputtered Cu Thin Films. *Materials Science Forum*, **2012**, 706-709, 1649-1654	0.4	1
150	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	
149	Influence of Strain Distribution in X-Ray Irradiated Area on Diffraction Profile. *Zairyo/Journal of the Society of Materials Science, Japan*, **2012**, 61, 620-626	0.1	1
148	Report on ^|^#8220;The 46th Symposium on X-ray Studies on Mechanical Behavior of Materials^|^#8221;. *Zairyo/Journal of the Society of Materials Science, Japan*, **2012**, 61, 872	0.1	
147	X????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **2012**, 61, 597	0.1	

146	Evaluation of Film Property and Strength in Hexagonal AlN Thin Film. *Zairyo/Journal of the Society of Materials Science, Japan*, **2012**, 61, 598-603	0.1	1
145	Strain Measurement Near Fatigue Crack in Ultrafine-Grained Steel by Polychromatic Synchrotron Radiation. *Materials Science Forum*, **2010**, 652, 290-295	0.4	
144	Least-squares refinement of biaxial stress components and unit-cell parameter in a <111> textured cubic TiN polycrystalline thin film by X-ray diffraction. *Powder Diffraction*, **2010**, 25, 25-30	1.8	3
143	658 Effect of Grain Boundary on Deformation Behavior of Cu Thin Film by Molecular Dynamics Analysis. *The Proceedings of Conference of Tokai Branch*, **2010**, 2010.59, 381-382	0	
142	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	
141	Estimation of Residual Stress and Strength in Fiber-Textured TiN Hard Thin Film. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 581-587	0.1	1
140	Development of Materials Evaluation by Diffraction Method. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 873-878	0.1	3
139	Re-evaluation of formulae for X-ray stress analysis in polycrystalline specimens with fibre texture: experimental confirmation. *Journal of Applied Crystallography*, **2009**, 42, 776-782	3.8	8
138	Effect of residual stresses on fatigue strength of severely surface deformed steels by shot peening. *Powder Diffraction*, **2009**, 24, S37-S40	1.8	14
137	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		
136	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		
135	X?????????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 561	0.1	
134	Preface for lecture series of residual stress. *Hamon*, **2009**, 19, 155-155	0	
133	Fundamental Principles of Neutron Residual Stress Measurements. *Hamon*, **2009**, 19, 156-160	0	
132	Determination of Residual Stress Distribution in Severe Surface Deformed Steel by Shot Peening. *Materials Science Forum*, **2008**, 571-572, 15-20	0.4	5
131	Fatigue Tests of Thin Stainless Steel Sheets Under Bending at Ultrasonic Frequency. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2008**, 74, 879-884		1
130	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		
129	X-ray Evaluation of Deformation Behaviour of Copper thin Films Under Uniaxial Loading. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2008**, 74, 356-362		2

128	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	
127	Prediction of Fatigue Thresholds of Steels with Surface Defects. *Zairyo/Journal of the Society of Materials Science, Japan*, **2008**, 57, 140-146	0.1	2
126	Strain Measurement under Loading in Laser Weld on Austenitic Stainless Steel Using High-Energy Synchrotron Radiation. *Zairyo/Journal of the Society of Materials Science, Japan*, **2008**, 57, 654-659	0.1	2
125	Prediction of Residual Stress Distribution in Severe Surface Deformed Steel by Constant Penetration Depth Method. *Zairyo/Journal of the Society of Materials Science, Japan*, **2008**, 57, 660-666	0.1	5
124	111 Nanoscopic analysis of plastic deformation in ultrafine-grained material investigated by EBSD and AFM. *The Proceedings of Conference of Tokai Branch*, **2008**, 2008.57, 21-22	0	
123	114 Molecular dynamics analysis of dislocation emission from the crack tip under mixed mode loading. *The Proceedings of Conference of Tokai Branch*, **2008**, 2008.57, 27-28	0	
122	1216 Nano-Scale Strength Analysis by EBSD and AFM Hybrid Method in Ultrafine-Grained Copper Processed by ECAP. *The Proceedings of the JSME Annual Meeting*, **2008**, 2008.6, 277-278		
121	Brittle Fracture Analysis of Porous Ceramics Based on Initiation of Micro Damages. *Zairyo/Journal of the Society of Materials Science, Japan*, **2007**, 56, 244-251	0.1	3
120	Low-Cycle-Fatigue Characteristics of Short Glass Fiber Reinforced Polybuthyleneterephthalate. *Zairyo/Journal of the Society of Materials Science, Japan*, **2007**, 56, 406-413	0.1	2
119	X-Ray Stress Measurement of Nickel-Base Single Crystal Superalloy Using Two-Dimensional PSPC. *Zairyo/Journal of the Society of Materials Science, Japan*, **2007**, 56, 594-601	0.1	1
118	Fatigue Damage Mechanism of Nanocrystals in ECAP-Processed Copper Investigated by EBSD and AFM Hybrid Methods. *Key Engineering Materials*, **2007**, 340-341, 943-948	0.4	4
117	OS3-2-5 X-ray study on tensile deformation behavior of Cu thin films. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2007**, 2007.6, _OS3-2-5-1-_OS3-2-5-6	0	
116	X-Ray Microbeam Evaluation of Domain Switching near Fatigue Cracks in Piezoelectric Ceramics (PZT). *Zairyo/Journal of the Society of Materials Science, Japan*, **2007**, 56, 622-628	0.1	
115	2229 Nanoscopic Analysis on Deformation and Fracture Behavior of Ultrafine-grained Cu Processed by ECAP. *The Proceedings of the JSME Annual Meeting*, **2007**, 2007.1, 287-288		1
114	OS4-4-3 Fatigue Crack Initiation and Propagation Behavior of ECAP-Processed Copper Investigated by EBSD. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2007**, 2007.6, _OS4-4-3-1-_OS4-4-3-6	0	
113	Evaluation of Subsurface Distribution of Residual Stress in Austenitic Stainless Steel Using Strain Scanning Method. *Materials Science Forum*, **2006**, 524-525, 691-696	0.4	3
112	Application of Strain Scanning Method to Stress Measurement of Austenitic Stainless Steel. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 647-653	0.1	8
111	EBSD-AFM Hybrid Analysis on Early Fatigue Damage in Austenitic Stainless Steel under Cyclic Torsional Loading. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 936-943	0.1	10

110	Mean-Stress Effect on Fatigue Strength of Short Glass Fiber Reinforced Polybuthyleneterephthalate. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 951-957	0.1	2
109	Correction of Surface Aberration in Strain Scanning Method with Analyzer. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 101-108	0.1	10
108	Changes of Internal Stress in Solid-Oxide Fuel Cell During Red-Ox Cycle Evaluated by In Situ Measurement With Synchrotron Radiation. *Journal of Fuel Cell Science and Technology*, **2006**, 3, 68-74		16
107	High Space-Resolutive Evaluation of Subsurface Stress Distribution by Strain Scanning Method with Analyzer Using High-Energy Synchrotron X-Rays. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2006**, 49, 376-381		3
106	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		
105	Resistance-Curve Method for Predicting Fatigue Thresholds in Holed Specimens under Combined Torsional-Axial Loading. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2006**, 72, 1137-1144		2
104	X-Ray Stress Measurement of Silicon Single Crystal Using Multiple Regression Analysis. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2006**, 72, 765-771		2
103	Evaluation of material properties of SiC particle reinforced aluminum alloy composite using neutron and X-ray diffraction. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 437, 93-99	5.3	8
102	Notch effect on fatigue strength reduction of bearing steel in the very high cycle regime. *International Journal of Fatigue*, **2006**, 28, 1555-1565	5	95
101	Smart structure for suppression of mode I and II crack propagation in CFRP laminates by shape memory alloy TiNi actuator. *International Journal of Fatigue*, **2006**, 28, 1147-1153	5	8
100	Fatigue damage evaluation in SiCp/2024 by X-ray diffraction method. *International Journal of Fatigue*, **2006**, 28, 1406-1412	5	7
99	Development of engineering diffractometer at J-PARC. *Physica B: Condensed Matter*, **2006**, 385-386, 1043-1045	2.8	15
98	X-Ray Evaluation of Deformation Damage in Electrodeposited Copper Foil under Tensile and Fatigue Loading. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 627-633	0.1	9
97	P4 Molecular Dynamics Simulation for Deformation and Fracture Behavior of Cu Thin Films. *Proceedings of the 1992 Annual Meeting of JSME/MMD*, **2006**, 2006, 527-528		
96	P22 In-situ X-ray stress measurement in Copper film under tensile loading. *Proceedings of the 1992 Annual Meeting of JSME/MMD*, **2006**, 2006, 563-564		1
95	Residual Stress and Deformation Characteristics of Thermal Barrier Coatings on Curved Substrate. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 634-640	0.1	2
94	Stress Measurement near Surface Region by Strain Scanning Method Using Neutron Diffraction. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 654-660	0.1	2
93	Measurement of Residual Stress Distribution by Strain Scanning Method using High Energy X-rays from Synchrotron Source. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2005**, 71, 1530-1537		7

92	Residual Stress Distribution in the Sub-Surface Region of Shot-Peened Ceramics. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2005**, 71, 1714-1721		9
91	Misorientation Analysis of Plastic Deformation of Austenitic Stainless Steel by EBSD and X-Ray Diffraction Methods. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2005**, 71, 1722-1728		36
90	Prediction of Fatigue Crack Propagation Path from a Pre-Crack under Combined Torsional and Axial Loading. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2005**, 71, 607-614		11
89	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		
88	Evaluation for Gigacycle Fatigue Strength of Alloy Tool Steel. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 1206-1212	0.1	1
87	Elastic Constants for X-Ray Stress Measurement of Ceramics for Solid Oxide Fuel Cell (SOFC). *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 1080-1086	0.1	3
86	Prediction of Fatigue Crack Propagation Path under Combined Torsional and Axial Loading. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 1281-1287	0.1	4
85	In-situ Measurement of Internal Stresses in Solid Oxide Fuel Cells during Thermal Cycling by Synchrotron Radiation. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 440-446	0.1	6
84	Analysis on Residual Stress Distribution in Oxidized Thermal Barrier Coatings. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 679-684	0.1	5
83	1901 Investigation on Stress Induced Martensitic Transformation at Crack Tip in TiNi. *The Proceedings of the JSME Annual Meeting*, **2005**, 2005.1, 455-456		
82	1319 EBSD and AFM Analysis on Active Slip System and Fatigue Crack Initiation Behavior in SUS316NG Stainless Steel under Torsion. *The Proceedings of the JSME Annual Meeting*, **2005**, 2005.1, 149-150		
81	Propagation of Fatigue Crack and Measurement of Fiber Bridging Stress in SCS-6/Ti-15-3 Composite. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 698-703	0.1	
80	Stress Measurement of Silicon Carbide Particulate Reinforced Aluminum Alloy by Time-of-Flight Neutron Diffraction. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 692-697	0.1	2
79	3. ?????????????. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 785-790	0.1	2
78	1757 Investigation on Strength and Deformation Mechanism of Ultrafine-Grained Cu by EBSD Analysis on the Nanocrystalline Structure. *The Proceedings of the JSME Annual Meeting*, **2005**, 2005.1, 417-418		
77	Residual Stress Distribution in TiN Thin Films with Fiber Texture Measured by Grazing Incidence and Scattering Vector X-Ray Methods. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 704-709	0.1	4
76	Evaluation of Fatigue Strength in Very-long Life Regime of SNCM439 Steels. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2004**, 70, 1036-1041		12
75	Gigacycle Fatigue Properties Evaluation for Martensitic Stainless Steels by Using Ultrasonic Fatigue Tests (Study for Materials with Different Level of Inclusion Size). *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2004**, 70, 1080-1086		4

74	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		
73	Diffraction Measurements of Residual Macrostress and Microstress Using X-Rays, Synchrotron and Neutrons. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2004**, 47, 252-263		20
72	Estimation of Spalling Stress in Thermal Barrier Coatings Using Hard Synchrotron X-Rays. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2004**, 47, 318-323		2
71	Fatigue Crack Initiation Behavior in Ultrafine-Grained Steel Observed by AFM and EBSP. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2004**, 47, 331-340		16
70	In-Situ Synchrotron Measurement of Thermal Stress in Textured Copper Thin Films during Thermal Cycling. *Zairyo/Journal of the Society of Materials Science, Japan*, **2004**, 53, 728-733	0.1	4
69	Oxidization of Thermal Barrier Coatings and Spalling Stress Analyzed with Synchrotron X-Rays. *Zairyo/Journal of the Society of Materials Science, Japan*, **2004**, 53, 734-739	0.1	7
68	Measurement of Stress Distribution Near Notch and Fatigue Crack in Ultra-Fine Grained Steel by Synchrotron Radiation. *Zairyo/Journal of the Society of Materials Science, Japan*, **2004**, 53, 752-757	0.1	8
67	Fatigue Crack Propagation Behavior from Pre-Crack under Cyclic Tortional-Axial Loading. *Proceedings of the 1992 Annual Meeting of JSME/MMD*, **2004**, 2004, 325-326		
66	X-Ray Study of Mechanical Properties of TiN Thin Films Coated on Steel by Ion Beam Mixing Method.. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2003**, 46, 86-92		2
65	Fatigue Crack Propagation from a Hole in Thin-Walled Tubular Steel Specimens under Torsional-Axial Loading. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2003**, 69, 1001-1008		2
64	In-Situ Stress Measurement of Bond Coatings at High Temperature by High-Energy Synchrotron X-Rays. *Zairyo/Journal of the Society of Materials Science, Japan*, **2003**, 52, 756-763	0.1	8
63	Evaluation of Residual Stress Distribution in Shot-Peened Steel by Synchrotron Radiation. *Zairyo/Journal of the Society of Materials Science, Japan*, **2003**, 52, 764-769	0.1	23
62	R-curve behavior in fracture of notched porous ceramics. *Engineering Fracture Mechanics*, **2003**, 70, 1101-1113	1.1	14
61	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	0	
60	GS(P)-43(GSW0442) Evaluation of Long Life Fatigue Strength at Ultrasonic Frequency. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 403	0	
59	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	0	
58	OS4(1)-3(OS04W0430) X-ray Stress Measurement and Deformation Behavior of Zirconia Thermal Barrier Coatings. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 73	0	
57	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	0	

56	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	o
55	OS11W0447 A simplified method for predicting the fatigue limits of engineering components with defects. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS11W0447-_OS11W0447	o
54	OS11(P)-31(OS11W0447) A Simplified Method for Predicting the Fatigue Limits of Engineering Components with Defects. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 391	o
53	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**, 2003.2, _OS11W0458-_OS11W0458	o
52	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	o
51	OS08W0449 Load-frequency effect on fatigue crack propagation in porous silicon carbide. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS08W0449-_OS08W0449	o
50	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	o
49	OS04W0452 X-ray study of mechanical properties of TiN thin films with fiber texture. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS04W0452-_OS04W0452	o
48	OS6(5)-23(OS06W0448) Finite Element Analysis of Elastic Properties of Textured Thin Films. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 238	o
47	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**,	o
46	OS4(P)-21(OS04W0452) X-Ray Study of Mechanical Properties of TiN Thin Films with Fiber Texture. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 381	o
45	OS8(4)-18(OS08W0449) Load Frequency Effect on Fatigue Crack Propagation in Porous Silicon Carbide. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 333	o
44	OS08W0404 Microscopic observation near fatigue crack tip for piezoelectric ceramics by atomic force microscopy and synchrotron X-ray diffraction. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS08W0404-_OS08W0404	o
43	GS(4)-19(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, 339	o
42	OS4(5)-23(OS04W0029) Estimation of Spalling Stress in Thermal Barrier Coatings Using High-Energy X-Rays from a Synchrotron Source. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 205	o
41	GSW0461 Application of J Integral to Fatigue Crack Propagation in Vulcanized Natural Rubber. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _GSW0461-1-_GSW0461-6	o
40	GSW0403 Phase stress measurement in SiCp/2024 under axial loading by TOF. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _GSW0403-1-_GSW0403-6	o
39	OS05W0460 Investigation of fatigue crack propagation behavior in ultrafine-grained steel by AFM and EBSP. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS05W0460-_OS05W0460	o

38	OS4(P)-20(OS04W0445) Measurement of Residual Stress Distribution in Shot-Peened Steels by Synchrotron Radiation. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 380	0	
37	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**, 2003.2, _GSW0451-1-_GSW0451-6	0	
36	OS04W0029 Estimation of spalling stress in thermal barrier coatings using high-energy X-rays from a synchrotron source. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS04W0029-_OS04W0029	0	
35	OS5(P)-25(OS05W0460) Investigation of Fatigue Crack Propagation Behavior in Ultrafine-Grained Steel by AFM and EBSP. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 385	0	
34	GS(P)-42(GSW0403) Phase Stress Measurement in SiCp/Al2024 under Axial Loading by TOF. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 402	0	
33	GSW0442 Evaluation of long life fatigue strength at ultrasonic frequency. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _GSW0442-1-_GSW0442-6	0	
32	OS09W0440 The effect of shape memory alloy TiNi actuator on suppression of mode II delamination crack in CFRP laminates. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS09W0440-_OS09W0	0	
31	PL-3(PL3W0400) Diffraction Measurement of Residual Micro and Macro Stresses. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 5	0	
30	OS9(1)-3(OS09W0440) The Effect of Shape Memory Alloy TiNi Actuator on Suppression of Mode II Delamination Crack in CFRP Laminates. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 121	0	
29	OS04W0445 Measurement of residual stress distribution in shot-peened steels by synchrotron radiation. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS04W0445-_OS04W0445	0	
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