Shoichi Kikuchi

List of Publications by Year
in descending order

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123 papers	1,591 citations	331259 21 h-index	414034 32 g-index
125 all docs	125 docs citations	125 times ranked	535 citing authors

#	Article	IF	Citations
1	Fatigue properties of gas nitrided austenitic stainless steel pre-treated with fine particle peening. International Journal of Fatigue, 2010, 32, 403-410.	2.8	84
2	A review on fatigue fracture modes of structural metallic materials in very high cycle regime. International Journal of Fatigue, 2016, 93, 339-351.	2.8	81
3	Effect of shot peening using ultra-fine particles on fatigue properties of 5056 aluminum alloy under rotating bending. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 652, 279-286.	2.6	59
4	Effect of harmonic structure design with bimodal grain size distribution on near-threshold fatigue crack propagation in Tiâ€“6Alâ€“4V alloy. International Journal of Fatigue, 2016, 92, 616-622.	2.8	43
5	Effect of pre-treatment with fine particle peening on surface properties and wear resistance of gas blow induction heating nitrided titanium alloy. Surface and Coatings Technology, 2019, 359, 476-484.	2.2	39
6	Characterization of the hydroxyapatite layer formed by fine hydroxyapatite particle peening and its effect on the fatigue properties of commercially pure titanium under four-point bending. Surface and Coatings Technology, 2016, 288, 196-202.	2.2	38
7	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.	2.0	37
8	Improvement of fatigue properties of Ti-6Al-4V alloy under four-point bending by low temperature nitriding. International Journal of Fatigue, 2019, 120, 134-140.	2.8	37
9	Effect of bimodal grain size distribution on fatigue properties of Ti-6Al-4V alloy with harmonic structure under four-point bending. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 687, 269-275.	2.6	34
10	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.	2.6	34
11	Effect of Fine Particle Peening Treatment prior to Nitriding on Fatigue Properties of AISI 4135 Steel. Journal of Solid Mechanics and Materials Engineering, 2008, 2, 1444-1450.	0.5	33
12	Development of an Atmospheric Controlled IH-FPP Treatment System and Its Application to Structural Steel. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2010, 74, 533-539.	0.2	32
13	Evaluation of the Gas Nitriding of Fine Grained AISI 4135 Steel Treated with Fine Particle Peening and Its Effect on the Tribological Properties. Materials Transactions, 2015, 56, 556-562.	0.4	31
14	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.	2.6	30
15	Harmonic structure, a promising microstructure design. Materials Research Letters, 2022, 10, 440-471.	4.1	29
16	Development of IH-FPP Processing System by Induction Heating and Surface Modification of S45C Steel. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 347-352.	0.2	27
17	Increasing Surface Hardness of AISI 1045 Steel by AIH-FPP/Plasma Nitriding Treatment. Materials Transactions, 2013, 54, 344-349.	0.4	26
18	Low Temperature Nitriding of Commercially Pure Titanium with Harmonic Structure. Materials Transactions, 2015, 56, 1807-1813.	0.4	26

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19	Effect of defect shape on rolling contact fatigue crack initiation and propagation in high strength steel. International Journal of Fatigue, 2016, 92, 507-516.	2.8	26
20	Formation of commercially pure titanium with a bimodal nitrogen diffusion phase using plasma nitriding and spark plasma sintering. Powder Technology, 2018, 330, 349-356.	2.1	26
21	Evaluation of the Fatigue Properties of Ti-6Al-4V Alloy with Harmonic Structure in 4-Points Bending. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 880-886.	0.1	25
22	ANALYSIS OF PNEUMATIC FINE PARTICLE PEENING PROCESS BY USING A HIGH-SPEED-CAMERA. International Journal of Modern Physics B, 2010, 24, 3047-3052.	1.0	24
23	Rapid nitriding mechanism of titanium alloy by gas blow induction heating. Surface and Coatings Technology, 2020, 399, 126160.	2.2	22
24	Combined effects of low temperature nitriding and cold rolling on fatigue properties of commercially pure titanium. International Journal of Fatigue, 2020, 139, 105772.	2.8	21
25	Microstructural Change Induced by Fine Particle Peening and Its Effect on Elemental Diffusion. Journal of Solid Mechanics and Materials Engineering, 2008, 2, 1330-1337.	0.5	20
26	Effect of simultaneous surface modification process on wear resistance of martensitic stainless steel. Journal of Materials Processing Technology, 2009, 209, 6156-6160.	3.1	20
27	Wear Resistance of AISI316L Steel Modified by Pre-FPP Treated DLC Coating. Journal of Solid Mechanics and Materials Engineering, 2009, 3, 328-335.	0.5	20
28	Effect of atmospheric-controlled induction-heating fine particle peening on electrochemical characteristics of austenitic stainless steel. Surface and Coatings Technology, 2018, 334, 189-195.	2.2	20
29	Fatigue limit estimation for carburized steels with surface compressive residual stress considering residual stress relaxation. International Journal of Fatigue, 2022, 160, 106846.	2.8	20
30	Effect of bimodal harmonic structure on fatigue properties of austenitic stainless steel under axial loading. International Journal of Fatigue, 2019, 127, 222-228.	2.8	19
31	Formation of Hydroxyapatite Layer on Tiâ€“6Alâ€“4V ELI Alloy by Fine Particle Peening. International Journal of Automation Technology, 2017, 11, 915-924.	0.5	19
32	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, 3685.	1.3	18
33	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.	2.6	18
34	Effect of Shot Particle on the Mechanism of Creating a Modified Layer by Atmospheric Controlled IH-FPP Treatment. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2011, 75, 372-378.	0.2	17
35	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.	2.6	17
36	Development of Low Temperature Nitriding Process and its Effects on the 4-Points Bending Fatigue Properties of Commercially Pure Titanium. Advanced Materials Research, 0, 891-892, 656-661.	0.3	16

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37	Characterization of surface layer formed by gas blow induction heating nitriding at different temperatures and its effect on the fatigue properties of titanium alloy. Results in Materials, 2020, 5, 100071.	0.9	16
38	Effects of Gas Blow Velocity on the Surface Properties of Ti-6Al-4V Alloy Treated by Gas Blow IH Nitriding. Materials Transactions, 2017, 58, 1155-1160.	0.4	15
39	Strengthening Mechanism of Titanium Boride Whisker-Reinforced Ti-6Al-4V Alloy Matrix Composites with the TiB Orientation Perpendicular to the Loading Direction. Materials, 2019, 12, 2401.	1.3	15
40	Effects of Fine Particle Peening on Oxidation Behavior of Nickel–Titanium Shape Memory Alloy. Materials Transactions, 2014, 55, 176-181.	0.4	14
41	Evaluation of Very High Cycle Fatigue Properties of Low Temperature Nitrided Ti-6Al-4V Alloy Using Ultrasonic Testing Technology. Key Engineering Materials, 0, 664, 118-127.	0.4	14
42	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.	0.3	14
43	Fatigue Limit Estimation of Aluminum Die-casting Alloy by Means of âˆšarea Method. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 844-849.	0.1	13
44	Effect of TiB orientation on four-point bending fatigue properties of TiB-reinforced Ti-3Al-2.5V alloy treated with heat extrusion. Engineering Fracture Mechanics, 2020, 238, 107284.	2.0	13
45	Effects of rolling reduction and direction on fatigue crack propagation in commercially pure titanium with harmonic structure. International Journal of Fatigue, 2021, 143, 106018.	2.8	13
46	Rapid Nitriding of Titanium Alloy with Fine Grains at Room Temperature. Advanced Materials, 2021, 33, e2008298.	11.1	13
47	Surface Modification of Carbon Steel by Atmospheric-Controlled IH-FPP Treatment Using Mixed Chromium and High-Speed Steel Particles. Materials Transactions, 2016, 57, 1801-1806.	0.4	13
48	Effect of Specimen Hardness and Shot Particle Hardness on Residual Stress and Fatigue Properties of SCM435H Steel Performed by Fine Particle Peening. Zairyo/Journal of the Society of Materials Science, Japan, 2011, 60, 547-553.	0.1	13
49	Effect of Fine Particle Peening on Oxidation Resistance of Austenitic Stainless Steel. Journal of Solid Mechanics and Materials Engineering, 2012, 6, 431-439.	0.5	12
50	Effect of Soft-Fine Particle Peening on Rotating Bending Fatigue Properties of Gas Carburized SCM420H Steel. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 765-776.	0.1	12
51	Increasing Surface Hardness of S45C Steel by AIH-FPP/Gaseous Nitriding Treatment. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2012, 76, 422-428.	0.2	11
52	4D observations of rolling contact fatigue processes by laminography using ultra-bright synchrotron radiation. Engineering Fracture Mechanics, 2017, 183, 180-189.	2.0	11
53	Rolling Contact Fatigue Damage from Artificial Defects and Sulphide Inclusions in High Strength Steel. Procedia Structural Integrity, 2017, 7, 468-475.	0.3	11
54	Formation of Titanium/Zirconia Based Biomaterial Fabricated by Spark Plasma Sintering. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2018, 82, 341-348.	0.2	11

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55	Improvement of the electrochemical characteristics of medium carbon steel using atmospheric-controlled induction-heating fine particle peening. Surface and Coatings Technology, 2018, 354, 76-82.	2.2	11
56	Creation of Fine Grained-Layer and High Hardness-Layer Using IH-FPP Treatment System and Its Effect on the Fatigue Properties of Steel. Zairyo/Journal of the Society of Materials Science, Japan, 2011, 60, 1091-1096.	0.1	11
57	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.	0.5	11
58	Effect of Fine Particle Peening on Atmospheric Oxidation Behavior of Ti-6Al-4V Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 114-120.	0.2	10
59	Evaluation of the Compressive Residual Stress Relaxation Behavior by <i>in situ</i> X-ray Stress Measurement. ISIJ International, 2022, 62, 758-765.	0.6	10
60	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.	0.3	9
61	Investigation on the Durability of Ti-6Al-4V Alloy Designed in a Harmonic Structure via Powder Metallurgy: Fatigue Behavior and Specimen Size Parameter Issue. Metals, 2020, 10, 636.	1.0	9
62	Microstructural Characterization and Wear Behavior of Sintered Compacts Fabricated from Plasma-Nitrided Commercially Pure Titanium Powder. Materials Transactions, 2020, 61, 2284-2291.	0.4	9
63	A Study on Very High Cycle Fatigue Properties of Low Flammability Magnesium Alloy in Rotating Bending and Axial Loading. Applied Mechanics and Materials, 0, 782, 27-41.	0.2	8
64	Observations of Twinning and Detwinning in Magnesium Alloy by Synchrotron Radiation DCT and EBSD. Procedia Structural Integrity, 2019, 23, 83-88.	0.3	8
65	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, .	0.5	8
66	Effects of FPP/Gas Nitriding Hybrid Surface Treatment on Fatigue Properties of Austenitic Stainless Steel (SUS316). Zairyo/Journal of the Society of Materials Science, Japan, 2012, 61, 680-685.	0.1	7
67	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.	0.3	7
68	Dynamic recrystallization of Fe-Cr alloys by atmospheric-controlled induction-heating fine particle peening. Surface and Coatings Technology, 2018, 344, 410-417.	2.2	7
69	Crack initiation behavior of titanium boride whisker reinforced titanium matrix composites during small punch testing. Material Design and Processing Communications, 2019, 1, e80.	0.5	7
70	Formation of a hydroxyapatite layer on Tiâ€“29Nbâ€“13Taâ€“4.6Zr and enhancement of four-point bending fatigue characteristics by fine particle peening. International Journal of Lightweight Materials and Manufacture, 2019, 2, 227-234.	1.3	7
71	Effect of Hardness Ratio on Plastic Dissipation in Fine Particle Peening. Journal of Solid Mechanics and Materials Engineering, 2010, 4, 1585-1594.	0.5	6
72	A probabilistic model on crack initiation modes of metallic materials in very high cycle fatigue. Procedia Structural Integrity, 2016, 2, 1199-1206.	0.3	6

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73	Recent Trends of Fatigue Research. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 535-541.	0.1	6
74	Bimodal Microstructure Design of CrMnFeCoNi High-Entropy Alloy Using Powder Metallurgy. Zairyo/Journal of the Society of Materials Science, Japan, 2021, 70, 648-655.	0.1	6
75	Combined Effect of Gas Blow Induction Heating Nitriding and Post-Treatment with Fine Particle Peening on Surface Properties and Wear Resistance of Titanium Alloy. Materials Transactions, 2021, 62, 1502-1509.	0.4	6
76	Fractographical Investigation on Mechanism of Interior-Induced Fatigue Fracture of SUP7 Steel for Hot Formed Springs. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 613-619.	0.1	6
77	Interior-Induced Fracture Mechanism of High Cleanliness Spring Steel (JIS SWOSC-V) in Very High Cycle Regime. Key Engineering Materials, 2015, 664, 209-218.	0.4	5
78	Effect of Fine Particle Peening Using Hydroxyapatite Particles on Rotating Bending Fatigue Properties of Î²-Type Titanium Alloy. Applied Sciences (Switzerland), 2021, 11, 4307.	1.3	5
79	Combined Effects of TiB Volume Fraction and Orientation on Four-Point Bending Fatigue Properties of TiB-Reinforced Tiâ€“3Alâ€“2.5V Composite. Materials Transactions, 2021, 62, 935-942.	0.4	5
80	Formation of a phosphoric acid compound film on an AZ31 magnesium alloy surface using cavitation bubbles. Surfaces and Interfaces, 2021, 25, 101194.	1.5	5
81	EFFECT OF FINE PARTICLE PEENING USING HYDROXYAPATITE SHOT PARTICLES AND PLASMA SPRAYED HYDROXYAPATITE COATING ON FATIGUE PROPERTIES OF BETA TITANIUM ALLOY. , 2017, , .		5
82	Local oxynitriding of AZ31 magnesium alloy by atmospheric-pressure plasma treatment at room temperature. Journal of Magnesium and Alloys, 2022, 10, 1878-1886.	5.5	5
83	FATIGUE PROPERTIES OF HYBRID SURFACE MODIFIED SCM435H STEEL. International Journal of Modern Physics B, 2006, 20, 3646-3651.	1.0	4
84	Statistical Duplex S-N Characteristics of Bulk Amorphous Alloy in Rotating Bending in Very High Cycle Regime. Key Engineering Materials, 2015, 664, 295-304.	0.4	4
85	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
86	Effect of Induction Hardening on Fatigue Properties of Low Alloy Forged Steel with High Cleanliness in Very High Cycle Regime. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 893-899.	0.1	4
87	Peening Natural Aging of Aluminum Alloy by Ultra-High-Temperature and High-Pressure Cavitation. Applied Sciences (Switzerland), 2021, 11, 2894.	1.3	4
88	Effects of Grain Size and Grain Boundary Stability on Mechanical and Fatigue Properties of Nanocrystalline Nickel Thin Films. Materials Transactions, 2021, 62, 1320-1327.	0.4	4
89	Effect of Nitrided-Fine Particles Peening on Formation of Nitrided Layer and Fatigue Properties of Titanium Alloys. Zairyo/Journal of the Society of Materials Science, Japan, 2021, 70, 869-875.	0.1	4
90	Characteristics of oxide film formed on cavitation-treated steel surface in water. Journal of Materials Research and Technology, 2022, 19, 1897-1905.	2.6	4

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91	Plasma Nitriding Behavior of Pure Iron Pre-Treated with Fine Particle Peening. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 1367-1377.	0.2	3
92	A Study on Very High Cycle Fatigue Property of High Strength Steel for Particular Use as Medical Tablets Compressing Punches. Key Engineering Materials, 2015, 664, 221-230.	0.4	3
93	Stress Ratio Effect on Fatigue Crack Initiation Mechanism of Magnesium Alloy AZ31. Materials Science Forum, 0, 1016, 1003-1008.	0.3	3
94	Improvement in the quality of the processed material surfaces lies in the moving of nozzle in the cavitation processing. Surfaces and Interfaces, 2021, 25, 101206.	1.5	3
95	Effect of Cr Diffused Layer Formed by AIH-FPP Treatment on Adhesion of DLC Films to a Carbon Steel Substrate. Materials Transactions, 2018, 59, 642-647.	0.4	3
96	Effect of a Heterogeneous Nitrogen Diffusion Phase on Four-Point Bending Fatigue Properties in Commercially Pure Titanium. Materials Transactions, 2022, 63, 1046-1054.	0.4	3
97	Development of a New Surface Modification Process by Fine Particle Peening. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 8-11.	0.1	2
98	Effect of the Nitrogen Diffusion Layer Formed by Gas Blow Induction Heating Nitriding on Wear Resistance and Fatigue Properties of Titanium Alloy. Proceedings (mdpi), 2018, 2, 409.	0.2	2
99	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.	0.1	2
100	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.	2.0	2
101	Inclusion orientation dependent flaking process in rolling contact fatigue observed by laminography using ultrabright synchrotron radiation Xâ€ray. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2200-2214.	1.7	2
102	Japanese Sake Brewed from Rice by the Traditional Technique. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 816-821.	0.1	1
103	Evaluation of the Compressive Residual Stress Relaxation Behavior by <i>in situ</i> X-ray Stress Measurement. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2021, 107, 137-145.	0.1	1
104	In situ observation of rolling contact fatigue cracks by laminography using ultrabright synchrotron radiation. Frattura Ed Integrita Strutturale, 2015, 9, .	0.5	1
105	Effect of Room Temperature Fine Particle Peening Pretreatment on Grain Refinement of Feâ€“Cr Alloys by AIH-FPP. Materials Transactions, 2021, , .	0.4	1
106	High Precision Grinding and Surface Modification of Ni-Ti Shape Memory Alloy Ground by a New Electrical Grinding Technique(<Special Issue>M & M 2009 Conference). Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2010, 76, 419-421.	0.2	0
107	OS17F094 Effect of Fine Particle Peening on Oxidation Resistance of Austenitic Stainless Steel. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS17F094--_OS17F094-.	0.0	0
108	Formation of High-Performance Titanium Alloy with Harmonic Structure by Means of Powder Metallurgy. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2016, 24, 45-48.	0.0	0

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109	Low Temperature Nitriding of Commercially Pure Titanium with Harmonic Structure. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 731-738.	0.1	0
110	Fatigue Damage Evaluation by Diffraction Contrast Tomography Using Ultra-Bright Synchrotron Radiation. Proceedings (mdpi), 2018, 2, .	0.2	0
111	Forefront in Biomedical Materials. Zairyo/Journal of the Society of Materials Science, Japan, 2019, 68, 723-729.	0.1	0
112	S0401-3-5 Effect of FIne Particle Peening on Oxidation Resistance of AISI 316 Stainless Steel. The Proceedings of the JSME Annual Meeting, 2010, 2010.1, 325-326.	0.0	0
113	OS17-1-2 Effect of Fine Particle Peening on Oxidation Resistance of Austenitic Stainless Steel. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS17-1-2-.	0.0	0
114	Report on the 2nd China-Japan Joint Symposium on Fatigue of Engineering Materials and Structures. Zairyo/Journal of the Society of Materials Science, Japan, 2012, 61, 210.	0.1	0
115	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 ETQq1 1 0.784314 rgBT /O Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 54.	0.0	0
116	Report on My Sabbatical Stay at Kaiserslautern, Germany. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 501-502.	0.1	0
117	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 ETQq1 1 0.784314 rgBT /Ove Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 113.	0.0	0
118	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
119	Effect of defect length on rolling contact fatigue crack propagation in high strength steel. Frattura Ed Integrita Strutturale, 2016, , .	0.5	0
120	Effects of Gas Blow Velocity on the Surface Properties of Ti-6Al-4V Alloy Treated by Gas Blow IH Nitriding. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2017, 81, 288-293.	0.2	0
121	Effect of Cr Diffused Layer Formed by AIH-FPP on Adhesion Strength of DLC Films. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2017, 81, 352-357.	0.2	0
122	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.	0.0	0
123	Rapid Nitriding Without Heating Using Fine Particle Peening. Materia Japan, 2022, 61, 153-159.	0.1	0