

Shoichi Kikuchi

List of Publications by Citations

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117
papers

1,058
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125
ext. papers

1,316
ext. citations

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avg, IF

4.74
L-index

#	Paper	IF	Citations
117	Fatigue properties of gas nitrided austenitic stainless steel pre-treated with fine particle peening. <i>International Journal of Fatigue</i> , 2010 , 32, 403-410	5	68
116	A review on fatigue fracture modes of structural metallic materials in very high cycle regime. <i>International Journal of Fatigue</i> , 2016 , 93, 339-351	5	50
115	Effect of shot peening using ultra-fine particles on fatigue properties of 5056 aluminum alloy under rotating bending. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 652, 279-286	5.3	42
114	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. <i>Surface and Coatings Technology</i> , 2016 , 288, 196-202	4.4	32
113	Effect of Fine Particle Peening Treatment prior to Nitriding on Fatigue Properties of AISI 4135 Steel. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2008 , 2, 1444-1450		29
112	Effect of harmonic structure design with bimodal grain size distribution on near-threshold fatigue crack propagation in Ti-6Al-4V alloy. <i>International Journal of Fatigue</i> , 2016 , 92, 616-622	5	29
111	Evaluation of near-threshold fatigue crack propagation in harmonic-structured CP titanium with a bimodal grain size distribution. <i>Engineering Fracture Mechanics</i> , 2017 , 181, 77-86	4.2	27
110	Effect of bimodal grain size distribution on fatigue properties of Ti-6Al-4V alloy with harmonic structure under four-point bending. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 687, 269-275	5.3	26
109	Development of an Atmospheric Controlled IH-FPP Treatment System and Its Application to Structural Steel. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2010 , 74, 533-539	0.4	25
108	Low Temperature Nitriding of Commercially Pure Titanium with Harmonic Structure. <i>Materials Transactions</i> , 2015 , 56, 1807-1813	1.3	24
107	Statistical fatigue properties and small fatigue crack propagation in bimodal harmonic structured Ti-6Al-4V alloy under four-point bending. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 711, 29-36	5.3	24
106	Improvement of fatigue properties of Ti-6Al-4V alloy under four-point bending by low temperature nitriding. <i>International Journal of Fatigue</i> , 2019 , 120, 134-140	5	23
105	Fractographic analysis of fatigue crack initiation and propagation in CP titanium with a bimodal harmonic structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 716, 228-234	5.3	22
104	Evaluation of the Gas Nitriding of Fine Grained AISI 4135 Steel Treated with Fine Particle Peening and Its Effect on the Tribological Properties. <i>Materials Transactions</i> , 2015 , 56, 556-562	1.3	22
103	Increasing Surface Hardness of AISI 1045 Steel by AIH-FPP/Plasma Nitriding Treatment. <i>Materials Transactions</i> , 2013 , 54, 344-349	1.3	22
102	Development of IH-FPP Processing System by Induction Heating and Surface Modification of S45C Steel. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 347-352	0.4	22
101	Effect of pre-treatment with fine particle peening on surface properties and wear resistance of gas blow induction heating nitrided titanium alloy. <i>Surface and Coatings Technology</i> , 2019 , 359, 476-484	4.4	22

100	Formation of commercially pure titanium with a bimodal nitrogen diffusion phase using plasma nitriding and spark plasma sintering. <i>Powder Technology</i> , 2018 , 330, 349-356	5.2	21
99	Effect of defect shape on rolling contact fatigue crack initiation and propagation in high strength steel. <i>International Journal of Fatigue</i> , 2016 , 92, 507-516	5	20
98	Evaluation of the Fatigue Properties of Ti-6Al-4V Alloy with Harmonic Structure in 4-Points Bending. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015 , 64, 880-886	0.1	19
97	ANALYSIS OF PNEUMATIC FINE PARTICLE PEENING PROCESS BY USING A HIGH-SPEED-CAMERA. <i>International Journal of Modern Physics B</i> , 2010 , 24, 3047-3052	1.1	19
96	Wear Resistance of AISI316L Steel Modified by Pre-FPP Treated DLC Coating. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2009 , 3, 328-335		18
95	Effect of simultaneous surface modification process on wear resistance of martensitic stainless steel. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 6156-6160	5.3	17
94	Microstructural Change Induced by Fine Particle Peening and Its Effect on Elemental Diffusion. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2008 , 2, 1330-1337		16
93	Effect of atmospheric-controlled induction-heating fine particle peening on electrochemical characteristics of austenitic stainless steel. <i>Surface and Coatings Technology</i> , 2018 , 334, 189-195	4.4	16
92	Effect of Shot Particle on the Mechanism of Creating a Modified Layer by Atmospheric Controlled IH-FPP Treatment. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2011 , 75, 372-378	0.4	15
91	Effects of Gas Blow Velocity on the Surface Properties of Ti-6Al-4V Alloy Treated by Gas Blow IH Nitriding. <i>Materials Transactions</i> , 2017 , 58, 1155-1160	1.3	14
90	Evaluation of Very High Cycle Fatigue Properties of Low Temperature Nitrided Ti-6Al-4V Alloy Using Ultrasonic Testing Technology. <i>Key Engineering Materials</i> , 2015 , 664, 118-127	0.4	14
89	Development of Low Temperature Nitriding Process and its Effects on the 4-Points Bending Fatigue Properties of Commercially Pure Titanium. <i>Advanced Materials Research</i> , 2014 , 891-892, 656-661	0.5	14
88	Formation of Hydroxyapatite Layer on Ti6Al4V ELI Alloy by Fine Particle Peening. <i>International Journal of Automation Technology</i> , 2017 , 11, 915-924	0.8	14
87	The effects of thermo-mechanical processing on fatigue crack propagation in commercially pure titanium with a harmonic structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 773, 138892	5.3	13
86	Effects of Fine Particle Peening on Oxidation Behavior of Nickel–Titanium Shape Memory Alloy. <i>Materials Transactions</i> , 2014 , 55, 176-181	1.3	12
85	Effect of bimodal harmonic structure on fatigue properties of austenitic stainless steel under axial loading. <i>International Journal of Fatigue</i> , 2019 , 127, 222-228	5	11
84	Effect of TiB Orientation on Near-Threshold Fatigue Crack Propagation in TiB-Reinforced Ti-3Al-2.5V Matrix Composites Treated with Heat Extrusion. <i>Materials</i> , 2019 , 12,	3.5	11
83	Effect of Fine Particle Peening on Atmospheric Oxidation Behavior of Ti-6Al-4V Alloy. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015 , 80, 114-120	0.4	10

82	Increasing Surface Hardness of S45C Steel by AIH-FPP/Gaseous Nitriding Treatment. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2012 , 76, 422-428	0.4	10
81	Effect of Fine Particle Peening on Oxidation Resistance of Austenitic Stainless Steel. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2012 , 6, 431-439		10
80	Effect of Specimen Hardness and Shot Particle Hardness on Residual Stress and Fatigue Properties of SCM435H Steel Performed by Fine Particle Peening. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011 , 60, 547-553	0.1	10
79	Rapid nitriding mechanism of titanium alloy by gas blow induction heating. <i>Surface and Coatings Technology</i> , 2020 , 399, 126160	4.4	10
78	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. <i>Procedia Structural Integrity</i> , 2016 , 2, 3432-3438 ¹		10
77	Characterization of surface layer formed by gas blow induction heating nitriding at different temperatures and its effect on the fatigue properties of titanium alloy. <i>Results in Materials</i> , 2020 , 5, 100671 ^{2,3}		9
76	Strengthening Mechanism of Titanium Boride Whisker-Reinforced Ti-6Al-4V Alloy Matrix Composites with the TiB Orientation Perpendicular to the Loading Direction. <i>Materials</i> , 2019 , 12,	3.5	9
75	Creation of Fine Grained-Layer and High Hardness-Layer Using IH-FPP Treatment System and Its Effect on the Fatigue Properties of Steel. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011 , 60, 1091-1096	0.1	9
74	Combined effects of low temperature nitriding and cold rolling on fatigue properties of commercially pure titanium. <i>International Journal of Fatigue</i> , 2020 , 139, 105772	5	8
73	Rolling Contact Fatigue Damage from Artificial Defects and Sulphide Inclusions in High Strength Steel. <i>Procedia Structural Integrity</i> , 2017 , 7, 468-475	1	8
72	Surface Modification of Carbon Steel by Atmospheric-Controlled IH-FPP Treatment Using Mixed Chromium and High-Speed Steel Particles. <i>Materials Transactions</i> , 2016 , 57, 1801-1806	1.3	8
71	Evaluation of Fatigue Properties under Four-point Bending and Fatigue Crack Propagation in Austenitic Stainless Steel with a Bimodal Harmonic Structure. <i>Frattura Ed Integrita Strutturale</i> , 2019 , 13, 545-553	0.9	8
70	Improvement of the electrochemical characteristics of medium carbon steel using atmospheric-controlled induction-heating fine particle peening. <i>Surface and Coatings Technology</i> , 2018 , 354, 76-82	4.4	8
69	4D observations of rolling contact fatigue processes by laminography using ultra-bright synchrotron radiation. <i>Engineering Fracture Mechanics</i> , 2017 , 183, 180-189	4.2	7
68	Fatigue Limit Estimation of Aluminum Die-casting Alloy by Means of Brea Method. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2014 , 63, 844-849	0.1	7
67	Crack initiation behavior of titanium boride whisker reinforced titanium matrix composites during small punch testing. <i>Material Design and Processing Communications</i> , 2019 , 1, e80	0.9	6
66	A Study on Very High Cycle Fatigue Properties of Low Flammability Magnesium Alloy in Rotating Bending and Axial Loading. <i>Applied Mechanics and Materials</i> , 2015 , 782, 27-41	0.3	6
65	Evaluation of near-threshold fatigue crack propagation in Ti-6Al-4V Alloy with harmonic structure created by Mechanical Milling and Spark Plasma Sintering. <i>Frattura Ed Integrita Strutturale</i> , 2015 , 9,	0.9	6

64	Effects of rolling reduction and direction on fatigue crack propagation in commercially pure titanium with harmonic structure. <i>International Journal of Fatigue</i> , 2021 , 143, 106018	5	6
63	Formation of Titanium/Zirconia Based Biomaterial Fabricated by Spark Plasma Sintering. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2018 , 82, 341-348	0.4	6
62	Effects of FPP/Gas Nitriding Hybrid Surface Treatment on Fatigue Properties of Austenitic Stainless Steel (SUS316). <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2012 , 61, 680-685	0.1	5
61	Effect of Hardness Ratio on Plastic Dissipation in Fine Particle Peening. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2010 , 4, 1585-1594		5
60	Microstructural Characterization and Wear Behavior of Sintered Compacts Fabricated from Plasma-Nitrided Commercially Pure Titanium Powder. <i>Materials Transactions</i> , 2020 , 61, 2284-2291	1.3	5
59	Formation of a hydroxyapatite layer on Ti _{0.9} Nb _{0.3} Ta _{0.6} Zr and enhancement of four-point bending fatigue characteristics by fine particle peening. <i>International Journal of Lightweight Materials and Manufacture</i> , 2019 , 2, 227-234	2.2	4
58	Statistical Duplex S-N Characteristics of Bulk Amorphous Alloy in Rotating Bending in Very High Cycle Regime. <i>Key Engineering Materials</i> , 2015 , 664, 295-304	0.4	4
57	Effect of Induction Hardening on Fatigue Properties of Low Alloy Forged Steel with High Cleanliness in Very High Cycle Regime. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2017 , 66, 893-899	0.1	4
56	FATIGUE PROPERTIES OF HYBRID SURFACE MODIFIED SCM435H STEEL. <i>International Journal of Modern Physics B</i> , 2006 , 20, 3646-3651	1.1	4
55	Effect of Soft-Fine Particle Peening on Rotating Bending Fatigue Properties of Gas Carburized SCM420H Steel. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2020 , 106, 765-776	0.5	4
54	Fractographical Investigation on Mechanism of Interior-Induced Fatigue Fracture of SUP7 Steel for Hot Formed Springs. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015 , 64, 613-619	0.1	4
53	EFFECT OF FINE PARTICLE PEENING USING HYDROXYAPATITE SHOT PARTICLES AND PLASMA SPRAYED HYDROXYAPATITE COATING ON FATIGUE PROPERTIES OF BETA TITANIUM ALLOY 2017 ,		4
52	Effect of TiB orientation on four-point bending fatigue properties of TiB-reinforced Ti-3Al-2.5V alloy treated with heat extrusion. <i>Engineering Fracture Mechanics</i> , 2020 , 238, 107284	4.2	4
51	Rapid Nitriding of Titanium Alloy with Fine Grains at Room Temperature. <i>Advanced Materials</i> , 2021 , 33, e2008298	24	4
50	Effects of inclusion size and orientation on rolling contact fatigue crack initiation observed by laminography using ultra-bright synchrotron radiation. <i>Procedia Structural Integrity</i> , 2016 , 2, 3117-3124	1	4
49	A probabilistic model on crack initiation modes of metallic materials in very high cycle fatigue. <i>Procedia Structural Integrity</i> , 2016 , 2, 1199-1206	1	4
48	Observations of Twinning and Detwinning in Magnesium Alloy by Synchrotron Radiation DCT and EBSD. <i>Procedia Structural Integrity</i> , 2019 , 23, 83-88	1	4
47	Interior-Induced Fracture Mechanism of High Cleanliness Spring Steel (JIS SWOSC-V) in Very High Cycle Regime. <i>Key Engineering Materials</i> , 2015 , 664, 209-218	0.4	3

46	Dynamic recrystallization of Fe-Cr alloys by atmospheric-controlled induction-heating fine particle peening. <i>Surface and Coatings Technology</i> , 2018 , 344, 410-417	4.4	3
45	Recent Trends of Fatigue Research. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2017 , 66, 535-541	0.1	3
44	Plasma Nitriding Behavior of Pure Iron Pre-Treated with Fine Particle Peening. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2011 , 77, 1367-1377		3
43	Effect of Cr Diffused Layer Formed by AIH-FPP Treatment on Adhesion of DLC Films to a Carbon Steel Substrate. <i>Materials Transactions</i> , 2018 , 59, 642-647	1.3	3
42	Investigation on the Durability of Ti-6Al-4V Alloy Designed in a Harmonic Structure via Powder Metallurgy: Fatigue Behavior and Specimen Size Parameter Issue. <i>Metals</i> , 2020 , 10, 636	2.3	3
41	Formation of a phosphoric acid compound film on an AZ31 magnesium alloy surface using cavitation bubbles. <i>Surfaces and Interfaces</i> , 2021 , 25, 101194	4.1	3
40	Combined Effect of Gas Blow Induction Heating Nitriding and Post-Treatment with Fine Particle Peening on Surface Properties and Wear Resistance of Titanium Alloy. <i>Materials Transactions</i> , 2021 , 62, 1502-1509	1.3	3
39	Misorientation Measurement of Individual Grains in Fatigue of Polycrystalline Alloys by Diffraction Contrast Tomography Using Ultrabright Synchrotron Radiation. <i>Materials Science Forum</i> , 2016 , 879, 1355-1360 ²	0.4	2
38	Effect of the Nitrogen Diffusion Layer Formed by Gas Blow Induction Heating Nitriding on Wear Resistance and Fatigue Properties of Titanium Alloy. <i>Proceedings (mdpi)</i> , 2018 , 2, 409	0.3	2
37	Change of misorientation of individual grains in fatigue of polycrystalline alloys by diffraction contrast tomography using ultrabright synchrotron radiation. <i>Procedia Structural Integrity</i> , 2017 , 3, 402-410	1	2
36	A Study on Very High Cycle Fatigue Property of High Strength Steel for Particular Use as Medical Tablets Compressing Punches. <i>Key Engineering Materials</i> , 2015 , 664, 221-230	0.4	2
35	Effect of Fine Particle Peening Using Hydroxyapatite Particles on Rotating Bending Fatigue Properties of Ti Type Titanium Alloy. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4307	2.6	2
34	Peening Natural Aging of Aluminum Alloy by Ultra-High-Temperature and High-Pressure Cavitation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2894	2.6	2
33	Bimodal Microstructure Design of CrMnFeCoNi High-Entropy Alloy Using Powder Metallurgy. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021 , 70, 648-655	0.1	2
32	Effects of texture and stress sequence on twinning, detwinning and fatigue crack initiation in extruded magnesium alloy AZ31. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 826, 141941	5.3	2
31	Fatigue limit estimation for carburized steels with surface compressive residual stress considering residual stress relaxation. <i>International Journal of Fatigue</i> , 2022 , 160, 106846	5	2
30	Harmonic structure, a promising microstructure design. <i>Materials Research Letters</i> , 2022 , 10, 440-471	7.4	2
29	Mechanism of Fatigue Crack Initiation and Propagation in Commercially Pure Titanium and Titanium Alloy with Bimodal Harmonic Structure. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2019 , 66, 97-102	0.2	1

28	Stress Ratio Effect on Fatigue Crack Initiation Mechanism of Magnesium Alloy AZ31. <i>Materials Science Forum</i> , 1016, 1003-1008	0.4	1
27	Evaluation of the Compressive Residual Stress Relaxation Behavior by in situ X-ray Stress Measurement. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2021, 107, 137-145	0.5	1
26	Combined Effects of TiB Volume Fraction and Orientation on Four-Point Bending Fatigue Properties of TiB-Reinforced TiBAl _{0.5} V Composite. <i>Materials Transactions</i> , 2021, 62, 935-942	1.3	1
25	Improvement in the quality of the processed material surfaces lies in the moving of nozzle in the cavitation processing. <i>Surfaces and Interfaces</i> , 2021, 25, 101206	4.1	1
24	Effects of Grain Size and Grain Boundary Stability on Mechanical and Fatigue Properties of Nanocrystalline Nickel Thin Films. <i>Materials Transactions</i> , 2021, 62, 1320-1327	1.3	1
23	Compliance method to measure crack length and crack closure for automated fatigue crack propagation test of nanocrystalline nickel film. <i>Engineering Fracture Mechanics</i> , 2021, 254, 107925	4.2	0
22	Effect of Nitrided-Fine Particles Peening on Formation of Nitrided Layer and Fatigue Properties of Titanium Alloys. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021, 70, 869-875	0.1	0
21	Evaluation of the Compressive Residual Stress Relaxation Behavior by <i>in situ&/i> X-ray Stress Measurement. <i>ISIJ International</i> , 2022, 62, 758-765	1.7	0
20	Low Temperature Nitriding of Commercially Pure Titanium with Harmonic Structure. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016, 63, 731-738	0.2	
19	Development of a New Surface Modification Process by Fine Particle Peening. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2016, 67, 8-11	0.1	
18	Formation of the Hydroxyapatite Layer on Commercially Pure Titanium Using Fine Particle Peening 2016, 1711-1715		
17	Forefront in Biomedical Materials. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2019, 68, 723-729	0.1	
16	Japanese Sake Brewed from Rice by the Traditional Technique. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2017, 66, 816-821	0.1	
15	OS17F094 Effect of Fine Particle Peening on Oxidation Resistance of Austenitic Stainless Steel. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2011, 2011.10, _OS17F094--_OS17F094-	0	
14	High Precision Grinding and Surface Modification of Ni-Ti Shape Memory Alloy Ground by a New Electrical Grinding Technique(M & M 2009 Conference). <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2010, 76, 419-421		
13	Evaluation of misorientation on metal material by Diffraction Contrast Tomography measurement Using Synchrotron Radiation. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2019, 2019, OS1605	0	
12	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). <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on</i>	0	
11	Report on My Sabbatical Stay at Kaiserslautern, Germany. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015, 64, 501-502	0.1	

- 10 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, 123* ○
- 9 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* ○
- 8 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* ○.4
- 7 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* ○.4
- 6 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*
- 5 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-* ○
- 4 Formation of High-Performance Titanium Alloy with Harmonic Structure by Means of Powder Metallurgy. *Hosokawa Powder Technology Foundation ANNUAL REPORT, 2016, 24, 45-48* ○
- 3 Effect of Fine Particle Peening Using Hydroxyapatite Shot Particles on Fatigue Properties of Beta Titanium Alloy in Rotating Bending **2016, 1723-1726**
- 2 Fatigue Damage Evaluation by Diffraction Contrast Tomography Using Ultra-Bright Synchrotron Radiation. *Proceedings (mdpi), 2018, 2, 380* ○.3
- 1 Rapid Nitriding Without Heating Using Fine Particle Peening. *Materia Japan, 2022, 61, 153-159* ○.1