

# Yoshihiko Uematsu

## List of Publications by Year in descending order

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papers

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235  
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235  
docs citations

235  
times ranked

1679  
citing authors

#	ARTICLE	IF	CITATIONS
1	A newly developed tool without probe for friction stir spot welding and its performance. Journal of Materials Processing Technology, 2010, 210, 844-851.	3.1	162
2	Effect of tool geometry on microstructure and static strength in friction stir spot welded aluminium alloys. International Journal of Machine Tools and Manufacture, 2007, 47, 2230-2236.	6.2	156
3	Effect of re-filling probe hole on tensile failure and fatigue behaviour of friction stir spot welded joints in Al-Mg-Si alloy. International Journal of Fatigue, 2008, 30, 1956-1966.	2.8	145
4	Effect of extrusion conditions on grain refinement and fatigue behaviour in magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 434, 131-140.	2.6	134
5	Fatigue behaviour of friction stir welds without neither welding flash nor flaw in several aluminium alloys. International Journal of Fatigue, 2009, 31, 1443-1453.	2.8	93
6	Effect of aging treatment on fatigue behaviour in extruded AZ61 and AZ80 magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 517, 138-145.	2.6	86
7	Effect of processing parameters on static strength of dissimilar friction stir spot welds between different aluminium alloys. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 143-148.	1.7	82
8	Comparison of fatigue behaviour between resistance spot and friction stir spot welded aluminium alloy sheets. Science and Technology of Welding and Joining, 2009, 14, 62-71.	1.5	71
9	Defect-dominated fatigue behavior in type 630 stainless steel fabricated by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 666, 19-26.	2.6	66
10	Effect of friction stir processing conditions on fatigue behavior and texture development in A356-T6 cast aluminum alloy. International Journal of Fatigue, 2015, 80, 192-202.	2.8	47
11	Fatigue behaviour of Al/steel dissimilar resistance spot welds fabricated using Al-Mg interlayer. Science and Technology of Welding and Joining, 2016, 21, 223-233.	1.5	47
12	Fatigue behavior of friction stir welded Al-Mg-Sc alloy. International Journal of Fatigue, 2015, 77, 1-11.	2.8	46
13	Effect of temperature on high cycle fatigue behaviour in 18Cr-2Mo ferritic stainless steel. International Journal of Fatigue, 2008, 30, 642-648.	2.8	44
14	Comparative study of fatigue behaviour in dissimilar Al alloy/steel and Mg alloy/steel friction stir spot welds fabricated by scroll grooved tool without probe. Science and Technology of Welding and Joining, 2012, 17, 348-356.	1.5	43
15	Fatigue crack propagation and fracture mechanisms of wrought magnesium alloys in different environments. International Journal of Fatigue, 2009, 31, 1137-1143.	2.8	41
16	Improvement of corrosion fatigue strength of magnesium alloy by multilayer diamond-like carbon coatings. Surface and Coatings Technology, 2011, 205, 2778-2784.	2.2	40
17	Delamination behavior of a carbon-fiber-reinforced thermoplastic polymer at high temperatures. Composites Science and Technology, 1995, 53, 333-341.	3.8	38
18	Fatigue behaviour of SiC-particulate-reinforced aluminium alloy composites with different particle sizes at elevated temperatures. Composites Science and Technology, 2008, 68, 2785-2791.	3.8	38

#	ARTICLE	IF	CITATIONS
19	Stress corrosion cracking behavior of the wrought magnesium alloy AZ31 under controlled cathodic potentials. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 531, 171-177.	2.6	38
20	Prediction of fatigue limit in additively manufactured Ti-6Al-4V alloy at elevated temperature. <i>International Journal of Fatigue</i> , 2019, 126, 55-61.	2.8	38
21	EBSD analysis of fatigue crack initiation behavior in coarse-grained AZ31 magnesium alloy. <i>International Journal of Fatigue</i> , 2016, 84, 1-8.	2.8	33
22	Residual stress measurement of Al/steel dissimilar friction stir weld. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 685-694.	1.5	32
23	Effect of strain-induced martensitic transformation on fatigue behavior of type 304 stainless steel. <i>Procedia Engineering</i> , 2010, 2, 323-330.	1.2	30
24	Fatigue behaviour of dissimilar Al alloy/galvanised steel friction stir spot welds fabricated by scroll grooved tool without probe. <i>Science and Technology of Welding and Joining</i> , 2015, 20, 670-678.	1.5	29
25	Fatigue behaviour of cast magnesium alloy AZ91 microstructurally modified by friction stir processing. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2009, 32, 541-551.	1.7	28
26	Atomic force microscopy and the mechanism of fatigue crack growth. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2001, 24, 831-842.	1.7	27
27	Fatigue behaviour of dissimilar friction stir spot weld between A6061 and SPCC welded by a scrolled groove shoulder tool. <i>Procedia Engineering</i> , 2010, 2, 193-201.	1.2	27
28	Fatigue Limit Prediction of Large Scale Cast Aluminum Alloy A356. , 2014, 3, 924-929.		27
29	Effect of $\sigma$ on fatigue crack growth in AZ31 magnesium alloy. <i>International Journal of Fatigue</i> , 2014, 62, 1-10.	1.2	25
30	Fatigue behaviour of dissimilar friction stir spot welds between A6061-T6 and low carbon steel sheets welded by a scroll grooved tool without probe. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2011, 34, 581-591.	1.7	25
31	Fatigue crack propagation of AZ61 magnesium alloy under controlled humidity and visualization of hydrogen diffusion along the crack wake. <i>International Journal of Fatigue</i> , 2014, 59, 234-243.	2.8	24
32	Influence of local fatigue damage evolution on crack initiation behavior in a friction stir welded Al-Mg-Sc alloy. <i>International Journal of Fatigue</i> , 2017, 99, 151-162.	2.8	24
33	Heterogeneous local straining behavior under monotonic and cyclic loadings in a friction stir welded aluminum alloy. <i>International Journal of Fatigue</i> , 2019, 125, 138-148.	2.8	21
34	Fatigue crack propagation near the interface between Al and steel in dissimilar Al/steel friction stir welds. <i>International Journal of Fatigue</i> , 2020, 138, 105706.	2.8	19
35	Atomic force microscopy of fatigue crack growth behavior in the low K region. <i>International Journal of Fatigue</i> , 2004, 26, 1159-1168.	2.8	18
36	Fracture toughness and fatigue crack propagation in cast irons with spheroidal vanadium carbides dispersed within martensitic matrix microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 471, 15-21.	2.6	18

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37	Effects of shot peening on fatigue behavior in high speed steel and cast iron with spheroidal vanadium carbides dispersed within martensitic-matrix microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 561, 386-393.	2.6	18
38	Fatigue behavior of bulk $\beta$ -type titanium alloy Ti-15Mo-5Zr-3Al annealed in high temperature nitrogen gas. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 627, 351-359.	2.6	18
39	Fatigue Behavior of Friction Stir Welded Joints of 6061-T6 Aluminum Alloy. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2006, 55, 49-54.	0.1	17
40	Fatigue behavior of dissimilar friction stir welds between cast and wrought aluminum alloys. <i>Strength of Materials</i> , 2008, 40, 138-141.	0.2	17
41	Effect of quantity of martensitic transformation on fatigue behavior in type 304 stainless steel. <i>Procedia Engineering</i> , 2011, 10, 299-304.	1.2	17
42	Some factors exerting an influence on the coxing effect of austenitic stainless steels. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 1095-1104.	1.7	17
43	Coaxing Effect in Stainless Steels and High-Strength Steels. <i>Key Engineering Materials</i> , 2007, 345-346, 235-238.	0.4	16
44	Evaluation of fatigue crack propagation in dissimilar Al/steel friction stir welds. <i>Procedia Structural Integrity</i> , 2016, 2, 1007-1014.	0.3	16
45	Effect of solution treatment after nitriding on fatigue properties in type 304 stainless steel. <i>International Journal of Fatigue</i> , 2014, 68, 103-110.	2.8	15
46	Corrosion fatigue behavior of extruded AZ80, AZ61, and AM60 magnesium alloys in distilled water. <i>Strength of Materials</i> , 2008, 40, 130-133.	0.2	14
47	Effects of Prestrain on Fatigue Behaviour in Type 316 Stainless Steel. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2007, 73, 796-802.	0.2	13
48	Fatigue Behaviour of Friction Stir Spot Welded Al-Mg-Si Alloy. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2007, 56, 537-543.	0.1	13
49	Effect of Tool Shoulder Diameter on Mechanical Properties of Friction Stir Spot Welded Joints. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2008, 74, 268-274.	0.2	13
50	Fatigue behaviour of cast irons with spheroidal vanadium carbides dispersed within martensitic matrix microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 418, 326-334.	2.6	12
51	Fatigue behavior of dissimilar A6061/rolled steel (SS400) friction stir welds. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2013, 31, 112-118.	0.1	12
52	Improvement of fatigue properties in type 304 stainless steel by annealing treatment in nitrogen gas. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 578-588.	2.6	12
53	Fatigue behavior of AZ31 magnesium alloy evaluated using single crystal micro cantilever specimen. <i>International Journal of Fatigue</i> , 2016, 93, 30-37.	2.8	12
54	Effect of Friction Stir Processing on the Fatigue Behaviour of Cast Aluminium Alloy. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 69-75.	0.1	11

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55	Effects of annealing and quenching on fatigue behaviour in type 444 ferritic stainless steel. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008, 31, 959-966.	1.7	10
56	Effect of thick DLC coating on fatigue behaviour of magnesium alloy in laboratory air and demineralised water. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2010, 33, 607-616.	1.7	10
57	Microstructural Changes of High-Chromium Ferritic Stainless Steel Subjected to Cyclic Loading in 475°C Embrittlement Region. <i>Procedia Engineering</i> , 2011, 10, 100-105.	1.2	10
58	Effect of Grain Size on Fatigue Behavior in AZ61 Mg Alloys Fabricated by MDFing. <i>Materials Transactions</i> , 2016, 57, 1454-1461.	0.4	10
59	Non-destructive evaluation of fatigue damage and fatigue crack initiation in type 316 stainless steel by positron annihilation line shape and lifetime analyses. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1143-1153.	1.7	10
60	EBSDA-assisted fractography of subsurface fatigue crack initiation mechanism in the ultrasonically shot-peened $\beta$ -type titanium alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 2239-2248.	1.7	10
61	Effect of Ultrasonic Shot Peening on High Cycle Fatigue Behavior in Type 304 Stainless Steel at Elevated Temperature. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2016, 65, 325-330.	0.1	9
62	Fatigue behaviour in AZ80A magnesium alloy with DLC/thermally splayed WC-12Co hybrid coating. <i>Procedia Engineering</i> , 2010, 2, 283-290.	1.2	8
63	Effects of Strain-Induced Martensitic Transformation on Fatigue Behavior of Type 304 Stainless Steel and Phase Transformation Analysis by EBSD. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011, 60, 796-802.	0.1	8
64	Effect of sensitization on corrosion fatigue behavior of type 304 stainless steel annealed in nitrogen gas. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 640, 33-41.	2.6	8
65	Joint microstructures, mechanical properties and fatigue behaviour of ferritic stainless steel SUS 430 welds with different filler metals. <i>Welding International</i> , 2018, 32, 427-435.	0.3	8
66	Temperature Dependence of Delamination Fracture Toughness of CF/PEEK and CF/PMR-15 Laminates.. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 1993, 59, 2286-2291.	0.2	7
67	Fatigue Behaviour of Friction Stir Welded AZ61 Magnesium Alloy. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2007, 25, 224-229.	0.1	7
68	Fatigue Behaviour of Friction Stir Welded A7075-T6 Aluminium Alloy in Air and 3% NaCl Solution. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2009, 27, 261-269.	0.1	7
69	Effects of Humidity and Water Environment on Fatigue Crack Propagation in Magnesium Alloys. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2007, 56, 764-770.	0.1	7
70	Fatigue Behavior of Type 304N2 High-Nitrogen Austenitic Stainless Steel. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 956-961.	0.1	7
71	Aging and Fatigue Behaviour at Elevated Temperatures in Ferritic Stainless Steels with Different Cr Contents. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 962-968.	0.1	7
72	Direct, Real-time Observation of Fatigue Crack Growth Behavior under Single Overloads.. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 1997, 63, 1860-1866.	0.2	6

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73	AFM Observation of Slip Deformation Near Mode I Fatigue Crack Tip and Quantitative Analysis Using Image Processing Technique.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2000, 66, 1157-1164.	0.2	6
74	Welding Structure and Tensile-Shear Properties of Friction-Stir Spot Welds Joined by Scrolled Groove Shoulder Tool without Probe in Aluminium Alloy. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2009, 75, 228-234.	0.2	6
75	Effect of Grain Orientation on Small Fatigue Crack Growth Behaviour in Magnesium Alloy AZ31 Rolled Plate. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2010, 76, 311-316.	0.2	6
76	Fatigue Behaviour of Friction Stir Processed Cast Aluminium and Magnesium Alloys. Materials Science Forum, 2010, 638-642, 3727-3732.	0.3	6
77	Hydrogen Embrittlement Type Stress Corrosion Cracking Behavior of Wrought Magnesium Alloy AZ31. Procedia Engineering, 2011, 10, 578-582.	1.2	6
78	Effect of hydrogen on fatigue crack propagation behavior of wrought magnesium alloy AZ61 in NaCl solution under controlled cathodic potentials. Engineering Fracture Mechanics, 2015, 137, 88-96.	2.0	6
79	Crystallographic Analysis of Fatigue Crack Initiation Behavior in Coarse-Grained Magnesium Alloy Under Tension-Tension Loading Cycles. Journal of Materials Engineering and Performance, 2017, 26, 3169-3179.	1.2	6
80	Effect of Post Heat Treatment on Fatigue Behaviour of Friction Stir Spot Welded Al-Mg-Si Alloy. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2008, 26, 7-14.	0.1	6
81	Local strain analysis under quasi-static tensile loading in Al/steel dissimilar friction stir weld by a digital image correlation method. International Journal of Advanced Manufacturing Technology, 2022, 120, 349-360.	1.5	6
82	Effects of HIP and forging on fracture behaviour in cast iron with spheroidal vanadium carbides dispersed within martensitic-matrix microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2621-2628.	2.6	5
83	Effect of Film Elastic Modulus on Fatigue Behaviour of DLC-Coated Wrought Magnesium Alloy AZ61. Procedia Engineering, 2011, 10, 1087-1090.	1.2	5
84	Measuring the strong electrostatic and magnetic fields with proton radiography for ultra-high intensity laser channeling on fast ignition. Review of Scientific Instruments, 2014, 85, 11E612.	0.6	5
85	Fatigue strength improvement of Mg alloy AZ61 by double ultrasonic shot peening. Transactions of the JSME (in Japanese), 2016, 82, 16-00218-16-00218.	0.1	5
86	Fatigue behaviour of dissimilar friction stir welds between wrought and cast aluminium alloys. Science and Technology of Welding and Joining, 2018, 23, 219-226.	1.5	5
87	Fabrication of Recycled Carbon Fiber Reinforced Magnesium Alloy Composite by Friction Stir Processing Using 3-Flat Pin Tool and Its Fatigue Properties. Materials Transactions, 2018, 59, 475-481.	0.4	5
88	Mechanical properties of tailor welded Al/Steel blanks made by friction stir welding and the effect of post heat treatment. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2018, 36, 160-166.	0.1	5
89	Proposal of Fatigue Limit Design Curves for Additively Manufactured Ti-6Al-4V in a VHCF Regime Using Specimens with Artificial Defects. Metals, 2021, 11, 964.	1.0	5
90	Fatigue Crack Growth and Crack Closure Behavior of Ti-6Al-4V Alloy Under Variable-Amplitude Loadings., 1999, , 265-284.		5



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91	Effect of Test Temperature on Fatigue Behaviour in AC4CH Cast Aluminium Alloy. Zairyo/Journal of the Society of Materials Science, Japan, 2006, 55, 199-204.	0.1	5
92	Development of Fatigue Testing System for in-situ Observation by an Atomic Force Microscope and Small Fatigue Crack Growth Behavior in $\pm$ -Brass. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2006, 49, 382-389.	0.4	4
93	Effect of post-heat treatment on the fatigue behaviour of a friction stir spot-welded Al-Mg-Si alloy. Welding International, 2009, 23, 481-489.	0.3	4
94	Fatigue Behavior of A5052 Aluminum Alloy with DLC/Thermally Sprayed WC-12Co Hybrid Coatings. Advanced Materials Research, 0, 538-541, 1693-1696.	0.3	4
95	Effects of Weld Metal and Test Temperature on Fatigue Behavior in Type 444 Stainless Steel Welds. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2012, 78, 432-441.	0.2	4
96	Fatigue behaviour of friction stir welded A7075-T6 aluminium alloy in air and 3% NaCl solution. Welding International, 2013, 27, 441-449.	0.3	4
97	Effect of Strain-Induced Martensitic Transformation on High Cycle Fatigue Behavior in Cyclically-Prestrained Type 304. Zairyo/Journal of the Society of Materials Science, Japan, 2013, 62, 744-749.	0.1	4
98	Fatigue limit prediction of A356-T6 cast aluminum alloys with different defect sizes sampled from an actual large-scale component. International Journal of Structural Integrity, 2017, 8, 617-631.	1.8	4
99	The effect of friction stir processing and post-aging treatment on fatigue behavior of Ca-added flame-resistant magnesium alloy. International Journal of Advanced Manufacturing Technology, 2018, 95, 2379-2391.	1.5	4
100	Characteristics of keyhole refill process using friction stir spot welding. Welding International, 2018, 32, 417-426.	0.3	4
101	Microstructures and Fatigue Behavior of Additively Manufactured Maraging Steel Deposited on Conventionally Manufactured Base Plate. Journal of Materials Engineering and Performance, 2021, 30, 4902-4910.	1.2	4
102	Initiation and Growth Behavior of Small Fatigue Cracks in Ultra-fine Grained P/M Aluminum Alloy at Elevated Temperatures. Zairyo/Journal of the Society of Materials Science, Japan, 2006, 55, 545-549.	0.1	4
103	Microstructure and Fatigue Behaviour of Mg <sub>2</sub> Si-Dispersed Magnesium Alloys Produced by Solid-State Synthesis. Zairyo/Journal of the Society of Materials Science, Japan, 2006, 55, 55-60.	0.1	4
104	Fundamentals of Fatigue and Recent Trends on Fatigue Design in Mechanical Structures. Zairyo/Journal of the Society of Materials Science, Japan, 2010, 59, 89-95.	0.1	4
105	Low cost estimation of Wöhler and Goodman-Haigh curves of Ti-6Al-4V samples by considering the stress ratio effect. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 441-450.	1.7	4
106	Small Fatigue Crack Initiation and Growth of SiC Whisker Reinforced Aluminum Composite.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1998, 64, 22-29.	0.2	3
107	Improvement of Fatigue Properties by Solution Treatment in Nitrided Type 304 Stainless Steel. , 2014, 3, 627-633.		3
108	Effect of Grain Orientation on Fatigue Behavior in Micro Cantilever of Magnesium Alloy AZ31. , 2014, 3, 967-972.		3

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109	Fatigue behavior of Laves-phase-precipitated Nb-containing ferritic stainless steel JFE429EX in laboratory air and in 3%NaCl solution. Transactions of the JSME (in Japanese), 2015, 81, 15-00346-15-00346.	0.1	3
110	Delaying Effect of High-Density Electric Current on Fatigue Crack Growth in A6061-T6 Aluminum Alloy. Materials Transactions, 2016, 57, 2104-2109.	0.4	3
111	Microstructural Modification of AZ91 Magnesium Alloy Using Friction Stir Processing and Carbon Fibers. Materials Science Forum, 2017, 886, 55-58.	0.3	3
112	Recent Trends of Fatigue Research. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 688-694.	0.1	3
113	Effects of material strength levels and nugget sizes on fatigue behavior of resistance spot welded steel sheets. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2019, 37, 152-161.	0.1	3
114	Fatigue Behavior of Multi-Directionally Forged Commercial Purity Grade 2 Ti Plate in Laboratory Air and Ringerâ€™s Solution. Materials Transactions, 2018, 59, 1296-1303.	0.4	3
115	Delamination Crack Growth of Unidirectional Carbon Fiber Reinforced Thermoplastic Polymer under High Temperature Fatigue.. Zairyo/Journal of the Society of Materials Science, Japan, 1993, 42, 59-64.	0.1	3
116	Effect of Microstructure on Fatigue Crack Growth Behavior in Ti-6Al-4V Alloy.. Zairyo/Journal of the Society of Materials Science, Japan, 1998, 47, 273-278.	0.1	3
117	Fatigue crack paths and properties in A356-T6 aluminum alloy microstructurally modified by friction stir processing under different conditions. Frattura Ed Integrita Strutturale, 2016, , .	0.5	3
118	A Study on Dislocation Movement and Stress Field near Fatigue Crack Tip by Discrete Dislocation Dynamics. Zairyo/Journal of the Society of Materials Science, Japan, 2003, 52, 1217-1224.	0.1	3
119	Fatigue Crack Growth Behavior in Ultra-Fine Grained P/M Aluminum Alloy under Repeated Two-Step Variable Amplitude Load Sequences. Zairyo/Journal of the Society of Materials Science, Japan, 2005, 54, 754-760.	0.1	3
120	Fatigue Behaviour of Resistance Spot Welded Joints of Al-Mg-Si Alloy. Zairyo/Journal of the Society of Materials Science, Japan, 2008, 57, 808-813.	0.1	3
121	Thickness Effect of Interlayer on Fatigue Behavior and Fatigue Fracture A5052 Mechanisms in Aluminum Alloy with DLC/Thermally Sprayed WC-12Co Hybrid Coatings. Zairyo/Journal of the Society of Materials Science, Japan, 2013, 62, 738-743.	0.1	3
122	Mode I Delamination of Carbon Fiber Reinforced Thermoplastic Polymer Under Static and Cyclic Creep at Elevated Temperatures. , 0, , 23-23-16.		3
123	Investigation of Fracture Mechanisms of Aramid/Epoxy Composites and Damage Estimation by Means of SAM.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1992, 58, 206-211.	0.2	2
124	Development of Fatigue Testing System for In-situ Observation by an Atomic Force Microscope and Small Fatigue Crack Growth Behavior in .ALPHA.-Brass. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2004, 70, 588-595.	0.2	2
125	A Study in the Effect of Grain Boundary on Small Fatigue Crack Growth Behavior in .ALPHA.-Brass by means of In-situ Atomic Force Microscopy. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2004, 70, 895-902.	0.2	2
126	Fatigue Crack Growth Behavior of Ti-6Al-4V Alloy with Bimodal Microstructure under Repeated Two-step Load Sequences. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2005, 71, 1153-1159.	0.2	2



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127	A Study on the Mechanism of Small Fatigue Crack Deflection Behavior in .ALPHA.-Brass by Means of In-situ Atomic Force Microscopy and Crystallographic Orientation Analysis. Zairyo/Journal of the Society of Materials Science, Japan, 2005, 54, 1268-1274.	0.1	2
128	A Study on the Mechanism of Small Fatigue Crack Deflection Behavior in Alpha-Brass by Means of In Situ Atomic Force Microscopy and Crystallo-Graphic Orientation Analysis. Key Engineering Materials, 2007, 353-358, 1225-1228.	0.4	2
129	Effect of Anodic Oxide Film on Fatigue Behaviour of Magnesium Alloys in Laboratory Air and Demineralized Water. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2008, 74, 122-127.	0.2	2
130	Fatigue Behavior of AZ80A Magnesium Alloy with DLC/Thermally Splayed WC-12Co Hybrid Coating. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2010, 76, 500-505.	0.2	2
131	Effect of DLC Film on Fatigue Behavior in Alloy Steels with Different Hardness and Inclusion Size. Zairyo/Journal of the Society of Materials Science, Japan, 2011, 60, 1097-1103.	0.1	2
132	Effect of Film Elastic Modulus on Fatigue Behavior of Wrought Magnesium Alloy AZ61 Coated with DLC Film. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2012, 78, 403-410.	0.2	2
133	Fatigue behavior of dissimilar friction stir spot welds between A6061 and AZ31 fabricated by a scroll grooved tool without probe. , 2013, , 213-218.		2
134	Highâ€cycle fatigue properties of beta Ti alloy 55Tiâ€30Nbâ€10Taâ€5Zr, gum metal. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1223-1231.	1.7	2
135	Improvement of Fatigue Properties in a Cast Aluminum Alloy by Roller Burnishing and Friction Stir Processing. Advanced Materials Research, 0, 891-892, 662-667.	0.3	2
136	Effect of Interlayer Thickness on Fatigue Behavior in A5052 Aluminum Alloy with Diamond-Like Carbon/Anodic-Oxide Hybrid Coating. Materials Transactions, 2015, 56, 1793-1799.	0.4	2
137	Effect of heat treatment at the temperature above $T_p$ on the microstructures and fatigue properties of pure Ti. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 2800-2811.	1.7	2
138	411 Effect of Welding Condition on Static Strength of Dissimilar Friction Stir Spot Welds between Different Aluminium Alloys. Proceedings of the 1992 Annual Meeting of JSME/MMD, 2006, 2006, 217-218.	0.0	2
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