

Yoshihiko Uematsu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Low cost estimation of Wöhler and Goodman-Haigh curves of Ti-6Al-4V samples by considering the stress ratio effect. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 441-450.	1.7	4
2	Local strain analysis under quasi-static tensile loading in Al/steel dissimilar friction stir weld by a digital image correlation method. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 349-360.	1.5	6
3	Full and partial compression fatigue tests on welded specimens of steel St 52-3. Effects of the stress ratio on the probabilistic fatigue life estimation. <i>Applications in Engineering Science</i> , 2022, 10, 100091.	0.5	1
4	Effect of Fabrication Processes on Fatigue Strength and Small Fatigue Crack Growth Behavior of A6061 and Al-Si Eutectic Alloys. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2022, 71, 532-539.	0.1	0
5	Influences of continuous casting and extruding direction on fatigue strength of Al-Si eutectic alloy. <i>Transactions of the JSME (in Japanese)</i> , 2021, 87, 21-00156-21-00156.	0.1	0
6	Effect of aging treatment on fatigue behavior of Nb-added ferritic stainless steel type 429 welds in 3% NaCl solution. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2021, 39, 158-162.	0.1	0
7	Microstructures and Fatigue Behavior of Additively Manufactured Maraging Steel Deposited on Conventionally Manufactured Base Plate. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4902-4910.	1.2	4
8	Proposal of Fatigue Limit Design Curves for Additively Manufactured Ti-6Al-4V in a VHCF Regime Using Specimens with Artificial Defects. <i>Metals</i> , 2021, 11, 964.	1.0	5
9	Fatigue design curves for laser-metal-deposited type 420 stainless steel and effect of an interval during deposition process. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 2917-2927.	1.5	1
10	Effect of heat treatment at the temperature above $\hat{\rho}$ transus on the microstructures and fatigue properties of pure Ti. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2800-2811.	1.7	2
11	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
12	Non-destructive Observation of Internal Fatigue Crack around the Nugget of Friction Stir Spot Weld Using X-Ray $\hat{\mu}$ CT Scan. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2020, 69, 895-901.	0.1	1
13	Effects of material strength levels and nugget sizes on fatigue behavior of resistance spot welded steel sheets. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2019, 37, 152-161.	0.1	3
14	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
15	Cross tensile and fatigue behavior of zinc-galvanized low carbon steel wire resistance welds. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2019, 37, 35-43.	0.1	1
16	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
17	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
18	Evaluation of Fatigue Damage in Spring Steel SUP10 by Positron Annihilation Spectroscopy. <i>Transactions of Japan Society of Spring Engineers</i> , 2019, 2019, 89-94.	0.1	1

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19	Effects of material strength levels and nugget sizes on fatigue behaviour of resistance spot welded steel sheets. <i>Welding International</i> , 2019, 33, 42-54.	0.3	2
20	Effect of Machining Process Conditions on Fatigue Behavior of Magnesium Alloy AZ61. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2019, 68, 882-889.	0.1	1
21	Fatigue Behavior of Magnesium Alloy with Diamond-Like Carbon/Nickel Plating Hybrid Coating in Laboratory Air and Corrosive Environment. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2019, 68, 875-881.	0.1	0
22	EBSDAssisted fractography of subsurface fatigue crack initiation mechanism in the ultrasonicshotpeened β type titanium alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 2239-2248.	1.7	10
23	The effect of friction stir processing and post-aging treatment on fatigue behavior of Ca-added flame-resistant magnesium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 2379-2391.	1.5	4
24	Fatigue behaviour of dissimilar friction stir welds between wrought and cast aluminium alloys. <i>Science and Technology of Welding and Joining</i> , 2018, 23, 219-226.	1.5	5
25	High Cycle Fatigue Properties of Multi-Directionally Forged Commercial Purity Grade 2 Ti Plate. <i>Materials Science Forum</i> , 2018, 916, 166-169.	0.3	0
26	Characteristics of keyhole refill process using friction stir spot welding. <i>Welding International</i> , 2018, 32, 417-426.	0.3	4
27	Fabrication of Recycled Carbon Fiber Reinforced Magnesium Alloy Composite by Friction Stir Processing Using 3-Flat Pin Tool and Its Fatigue Properties. <i>Materials Transactions</i> , 2018, 59, 475-481.	0.4	5
28	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
29	Mechanical properties of tailor welded Al/Steel blanks made by friction stir welding and the effect of post heat treatment. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2018, 36, 160-166.	0.1	5
30	Fatigue behavior of A5052 aluminum alloy with diamond-like carbon/electroless nickel plating hybrid coating. <i>Mechanical Engineering Letters</i> , 2018, 4, 18-00213-18-00213.	0.2	1
31	Fatigue Behavior of Multi-Directionally Forged Commercial Purity Grade 2 Ti Plate in Laboratory Air and Ringer's Solution. <i>Materials Transactions</i> , 2018, 59, 1296-1303.	0.4	3
32	Effect of weld metals on fatigue behavior of Nb-added ferritic stainless steel JFE429EX welds in laboratory air and in 3% NaCl solution. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2018, 36, 238-246.	0.1	2
33	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
34	Microstructural Modification of AZ91 Magnesium Alloy Using Friction Stir Processing and Carbon Fibers. <i>Materials Science Forum</i> , 2017, 886, 55-58.	0.3	3
35	Nondestructive 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
36	Crystallographic Analysis of Fatigue Crack Initiation Behavior in Coarse-Grained Magnesium Alloy Under Tension-Tension Loading Cycles. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 3169-3179.	1.2	6

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37	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
38	Confirmation of hot electron preheat with a Cu foam sphere on GEKKO-LFEX laser facility. Physics of Plasmas, 2017, 24, 112709.	0.7	1
39	Recent Trends of Fatigue Research. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 688-694.	0.1	3
40	Fatigue behavior of multi-directionally forged commercially pure Ti thin foil with different thickness. The Proceedings of Mechanical Engineering Congress Japan, 2017, 2017, G0300304.	0.0	1
41	Effect of Ultrasonic Shot Peening on High Cycle Fatigue Behavior in Type 304 Stainless Steel at Elevated Temperature. Zairyo/Journal of the Society of Materials Science, Japan, 2016, 65, 325-330.	0.1	9
42	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
43	Effect of Grain Size on Fatigue Behavior in AZ61 Mg Alloys Fabricated by MD Fing. Materials Transactions, 2016, 57, 1454-1461.	0.4	10
44	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
45	Evaluation of fatigue crack propagation in dissimilar Al/steel friction stir welds. Procedia Structural Integrity, 2016, 2, 1007-1014.	0.3	16
46	Fatigue behavior of AZ31 magnesium alloy evaluated using single crystal micro cantilever specimen. International Journal of Fatigue, 2016, 93, 30-37.	2.8	12
47	Evaluation of Small Fatigue Crack Initiation in Type 316 Stainless Steel by Positron Annihilation Spectroscopy. Transactions of Japan Society of Spring Engineers, 2016, 2016, 7-12.	0.1	1
48	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
49	EBSD analysis of fatigue crack initiation behavior in coarse-grained AZ31 magnesium alloy. International Journal of Fatigue, 2016, 84, 1-8.	2.8	33
50	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
51	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
52	Influence of joint line remnant on crack paths under static and fatigue loadings in friction stir welded Al-Mg-Sc alloy. Frattura Ed Integrita Strutturale, 2016, 10, 295-305.	0.5	2
53	EBSD-assisted fractographic analysis of crack paths in magnesium alloy. Frattura Ed Integrita Strutturale, 2016, , .	0.5	0
54	EBSD-assisted fractography of subsurface crack initiation site in high cycle fatigue fracture of ultrasonic shot peened I ² titanium alloy. The Proceedings of the Materials and Mechanics Conference, 2016, 2016, OS02-14.	0.0	0

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55	Characteristics of Keyhole Refill Process using Friction Stir Spot Welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2016, 34, 159-166.	0.1	0
56	Joint microstructures, mechanical properties and fatigue behavior of ferritic stainless steel SUS 430 welds with different filler metals. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2016, 34, 167-174.	0.1	2
57	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
58	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
59	Fatigue behavior of bulk β -type titanium alloy Ti-15Mo-5Zr-3Al annealed in high temperature nitrogen gas. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 627, 351-359.	2.6	18
60	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
61	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
62	Fatigue behavior of friction stir welded Al-Mg-Sc alloy. International Journal of Fatigue, 2015, 77, 1-11.	2.8	46
63	Effect of sensitization on corrosion fatigue behavior of type 304 stainless steel annealed in nitrogen gas. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 640, 33-41.	2.6	8
64	Fatigue behaviour of dissimilar Al alloy/galvanised steel friction stir spot welds fabricated by scroll grooved tool without probe. Science and Technology of Welding and Joining, 2015, 20, 670-678.	1.5	29
65	OS8-23 Joint Microstructure and Fatigue Behavior of Ferritic Stainless Steel Type 430 Welds with Different Filler Metals (Joining, 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, 133.	0.0	0
66	OS0104-177 Crystallographic analysis of fatigue behavior in magnesium alloy using micro cantilever specimen. The Proceedings of the Materials and Mechanics Conference, 2015, 2015, _OS0104-17-_OS0104-17.	0.0	0
67	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
68	High-cycle fatigue properties of beta Ti alloy 55Ti-30Nb-10Ta-5Zr, gum metal. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1223-1231.	1.7	2
69	Improvement of fatigue properties in type 304 stainless steel by annealing treatment in nitrogen gas. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 578-588.	2.6	12
70	Improvement of Fatigue Properties by Solution Treatment in Nitrided Type 304 Stainless Steel. , 2014, 3, 627-633.		3
71	Crack Initiation Analysis in AZ31 Magnesium Alloy Based on Electron Backscatter Diffraction (EBSD). , 2014, 3, 790-792.		0
72	Fatigue Limit Prediction of Large Scale Cast Aluminum Alloy A356. , 2014, 3, 924-929.		27

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73	Effect of Grain Orientation on Fatigue Behavior in Micro Cantilever of Magnesium Alloy AZ31. , 2014, 3, 967-972.		3
74	Effect of solution treatment after nitriding on fatigue properties in type 304 stainless steel. International Journal of Fatigue, 2014, 68, 103-110.	2.8	15
75	Fatigue crack propagation of AZ61 magnesium alloy under controlled humidity and visualization of hydrogen diffusion along the crack wake. International Journal of Fatigue, 2014, 59, 234-243.	2.8	24
76	Fatigue behavior in A6061/AZ31 dissimilar friction stir spot weld made by a scroll grooved tool. Transactions of the JSME (in Japanese), 2014, 80, SMM0352-SMM0352.	0.1	1
77	OS2107 Effect of welding condition on fatigue behavior in friction stir welded Al-Mg-Sc alloy. The Proceedings of the Materials and Mechanics Conference, 2014, 2014, _OS2107-1_-_OS2107-3_.	0.0	0
78	Effect of pile-ups of dislocations in numerical analysis of fatigue crack propagation using discrete dislocations method. , 2014, , 279-283.		0
79	Fatigue behavior of dissimilar friction stir spot welds between A6061 and AZ31 fabricated by a scroll grooved tool without probe. , 2013, , 213-218.		2
80	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
81	Effects of shot peening on fatigue behavior in high speed steel and cast iron with spheroidal vanadium carbides dispersed within martensitic-matrix microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 561, 386-393.	2.6	18
82	Effect of Laves Phase Precipitation on Fatigue Behavior of Austenitic Stainless Steel Type 347 in Laboratory Air and in 3%NaCl Solution. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2013, 79, 239-248.	0.2	0
83	Fatigue behavior of dissimilar A6061/rolled steel (SS400) friction stir welds. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2013, 31, 112-118.	0.1	12
84	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
85	Effect of casting defects and roller burnishing on fatigue properties of a cast aluminum alloy AC4CH. WIT Transactions on Engineering Sciences, 2013, , .	0.0	1
86	OS1512 Fatigue crack propagation behaviour of AZ61 magnesium alloy under controlled cathodic potential. The Proceedings of the Materials and Mechanics Conference, 2013, 2013, _OS1512-1_-_OS1512-3_.	0.0	0
87	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
88	Effect of interlayer thickness on fatigue behavior in A5052 aluminum alloy with DLC/thermally sprayed WC-12Co hybrid coatings. , 2013, , .		0
89	Fatigue behavior of Ti-15Mo-5Zr-3Al β -type titanium alloy with surface hardened layer induced by annealing in nitrogen gas. WIT Transactions on Engineering Sciences, 2013, , .	0.0	0
90	Fatigue Test of Small Sized AZ31 Magnesium Alloy Using Micropillar Specimen. Key Engineering Materials, 2012, 525-526, 165-168.	0.4	1

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91	Fatigue Behavior of A356 Cast Aluminum Alloy Microstructurally Modified by Friction Stir Processing under Low Strain Rate Condition. <i>Key Engineering Materials</i> , 2012, 525-526, 169-172.	0.4	0
92	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. <i>Science and Technology of Welding and Joining</i> , 2012, 17, 348-356.	1.5	43
93	Effect of Film Elastic Modulus on Fatigue Behavior of Wrought Magnesium Alloy AZ61 Coated with DLC Film. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2012, 78, 403-410.	0.2	2
94	Effects of Weld Metal and Test Temperature on Fatigue Behavior in Type 444 Stainless Steel Welds. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2012, 78, 432-441.	0.2	4
95	Stress corrosion cracking behavior of the wrought magnesium alloy AZ31 under controlled cathodic potentials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 531, 171-177.	2.6	38
96	Some factors exerting an influence on the coaging effect of austenitic stainless steels. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 1095-1104.	1.7	17
97	Non-destructive inspection of welding defects in friction stir welds and prediction of their fatigue life. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2012, 30, 220-227.	0.1	1
98	Effect of DLC Film on Fatigue Behavior in Alloy Steels with Different Hardness and Inclusion Size. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011, 60, 1097-1103.	0.1	2
99	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
100	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
101	Microstructural Changes of High-Chromium Ferritic Stainless Steel Subjected to Cyclic Loading in 475Å°C Embrittlement Region. <i>Procedia Engineering</i> , 2011, 10, 100-105.	1.2	10
102	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
103	Hydrogen Embrittlement Type Stress Corrosion Cracking Behavior of Wrought Magnesium Alloy AZ31. <i>Procedia Engineering</i> , 2011, 10, 578-582.	1.2	6
104	Effect of Film Elastic Modulus on Fatigue Behaviour of DLC-Coated Wrought Magnesium Alloy AZ61. <i>Procedia Engineering</i> , 2011, 10, 1087-1090.	1.2	5
105	Improvement of corrosion fatigue strength of magnesium alloy by multilayer diamond-like carbon coatings. <i>Surface and Coatings Technology</i> , 2011, 205, 2778-2784.	2.2	40
106	Effect of δ -phase Embrittlement on Fatigue Behavior in High-Chromium Ferritic Stainless Steel. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011, 60, 879-884.	0.1	0
107	OS12F012 Fatigue Crack Propagation Behavior of AZ61 Extruded Magnesium Alloy under Controlled Humidity. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2011, 2011.10, _OS12F012-_OS12F012-.	0.0	0
108	OS12-4-1 Fatigue Crack Propagation Behavior of AZ61 Extruded Magnesium Alloy under Controlled Humidity. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2011, 2011.10, _OS12-4-1-.	0.0	0

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109	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
110	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
111	Fatigue behaviour of dissimilar friction stir spot weld between A6061 and SPCC welded by a scrolled groove shoulder tool. Procedia Engineering, 2010, 2, 193-201.	1.2	27
112	Fatigue behaviour in AZ80A magnesium alloy with DLC/thermally splayed WC-12Co hybrid coating. Procedia Engineering, 2010, 2, 283-290.	1.2	8
113	Effect of strain-induced martensitic transformation on fatigue behavior of type 304 stainless steel. Procedia Engineering, 2010, 2, 323-330.	1.2	30
114	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
115	Effect of α -Al ₂ O ₃ on Fatigue Life of Magnesium Alloy AZ31. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/table-struct/dtd"</small>	1.2	25
116	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
117	Effect of thick DLC coating on fatigue behaviour of magnesium alloy in laboratory air and demineralised water. Fatigue and Fracture of Engineering Materials and Structures, 2010, 33, 607-616.	1.7	10
118	Fatigue Behaviour of Friction Stir Processed Cast Aluminium and Magnesium Alloys. Materials Science Forum, 2010, 638-642, 3727-3732.	0.3	6
119	509 Fatigue behavior in similar friction stir spot welds of A6061 and AZ31 sheets welded by a scroll grooved tool. The Proceedings of the Materials and Processing Conference, 2010, 2010.18, _509-1_-_509-3_.	0.0	0
120	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
121	Effect of Friction Stir Processing on the Fatigue Behaviour of Cast Aluminium Alloy. Zairyo/Journal of the Society of Materials Science, Japan, 2009, 58, 69-75.	0.1	11
122	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
123	Fatigue behaviour of cast magnesium alloy AZ91 microstructurally modified by friction stir processing. Fatigue and Fracture of Engineering Materials and Structures, 2009, 32, 541-551.	1.7	28
124	Fatigue crack propagation and fracture mechanisms of wrought magnesium alloys in different environments. International Journal of Fatigue, 2009, 31, 1137-1143.	2.8	41
125	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
126	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

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127	Effect of post-heat treatment on the fatigue behaviour of a friction stir spot-welded Al-Mg-Si alloy. <i>Welding International</i> , 2009, 23, 481-489.	0.3	4
128	Effect of Strain-Induced Martensite Transformation on Fatigue Behavior of Prestrained Type 304 Austenitic Stainless Steel. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2009, 75, 1591-1597.	0.2	1
129	Fatigue Behaviour of Stainless Steel with HVOF and Atmospheric Plasma Sprayed Alumina Ceramics. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2009, 75, 87-92.	0.2	1
130	Welding Structure and Tensile-Shear Properties of Friction-Stir Spot Welds Joined by Scrolled Groove Shoulder Tool without Probe in Aluminium Alloy. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2009, 75, 228-234.	0.2	6
131	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
132	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
133	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
134	The First Japan-China Joint Symposium on Fatigue of Engineering Materials and Structures. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 186.	0.1	0
135	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
136	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
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