

# Fei-Yi Hung

## List of Publications by Year in descending order

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138  
papers

1,262  
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471509

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145  
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145  
docs citations

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times ranked

1060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties and biomedical application characteristics of degradable polylactic acid-Mg-Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> three-phase composite. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104949.	3.1	6
2	A Novel Two-Stage Heat Treatment with Medium-Temperature Aging Influence on Microstructure, Al <sub>3</sub> (Sc, Zr) Nanoprecipitation, and Application Properties, Enhancing Selective Laser Melting of Al-Mg-Sc-Zr Alloy. Nanomaterials, 2022, 12, 2078.	4.1	3
3	Novel photovoltaic ribbon technology: Interfacial behavior of In <sub>50</sub> Sn alloy ribbon without metal matrix under electrothermal effects and chlorine corrosion. Materials Today Communications, 2021, 26, 101865.	1.9	2
4	Optical, Microstructure, and Electromagnetic Properties of (1-x)ZnO-xCuO Powders Prepared Using Two-Stage Sintering and Direct Synthesis. Jom, 2021, 73, 815-822.	1.9	0
5	Comparison of Laser Powder Bed Fusion and Cast Inconel 713 Alloy in Terms of Their Microstructure, Mechanical Properties, and Fatigue Life. Advanced Engineering Materials, 2021, 23, 2001366.	3.5	9
6	Effects of heat treatment on a novel continuous casting direct rolling 6056 aluminum alloy: cold rolling characteristics and tensile fracture properties. Journal of Materials Research and Technology, 2021, 11, 535-547.	5.8	16
7	Al <sub>2</sub> O <sub>3</sub> Particle Erosion Induced Phase Transformation: Structure, Mechanical Property, and Impact Toughness of an SLM Al-10Si-Mg Alloy. Nanomaterials, 2021, 11, 2131.	4.1	5
8	Study on Microstructure, Mechanical Properties and Erosion Characteristics of Al-Si Alloy Manufactured by Continuous Casting Direct Rolling Process. Applied Sciences (Switzerland), 2021, 11, 8351.	2.5	4
9	Effect of electrification and chlorination on the microstructure and electrical properties of fine Al wires. Microelectronics Reliability, 2021, 124, 114234.	1.7	3
10	Effects of hyper-high-temperature solid-solution treatment on microstructure evolution and nanoprecipitation of the Al-Ni-Cu-Fe-Zr-Sc alloy manufactured by selective laser melting. Journal of Alloys and Compounds, 2021, 883, 160781.	5.5	9
11	Microstructure, Mechanical Properties, and Fatigue Fracture Characteristics of High-Fracture-Resistance Selective Laser Melting Al-Ni-Cu Alloys. Metals, 2021, 11, 87.	2.3	17
12	Microstructure, Mechanical Properties, Degradation Behavior, and Implant Testing of Hot-Rolled Biodegradable ZKX500 Magnesium Alloy. Applied Sciences (Switzerland), 2021, 11, 10677.	2.5	4
13	Opto-electromagnetic properties of carbon-doped zinc-oxide prepared using electrically induced crystallization and ion implantation process for gas sensor application. Journal of Materials Science: Materials in Electronics, 2020, 31, 144-153.	2.2	2
14	Erosion Resistance and Particle Erosion-Induced Tensile Embrittlement of 3D-Selective Laser Melting Inconel 718 Superalloy. Metals, 2020, 10, 21.	2.3	11
15	Improving the applicability of wear-resistant Al-10Si-0.5Mg alloy obtained through selective laser melting with T6 treatment in high-temperature, and high-wear environments. Journal of Materials Research and Technology, 2020, 9, 9242-9252.	5.8	17
16	Interface behavior and electrical properties of Zn-Sn-Cu (CTZ) stacking layer films with thermal diffusion and electrically induced crystallization. Journal of Materials Research and Technology, 2020, 9, 15547-15554.	5.8	0
17	Wedge bonding technologies: microstructure, mechanical properties and electrical properties of fine Al-Zn-Si alloy wire. Journal of Materials Science: Materials in Electronics, 2020, 31, 9270-9283.	2.2	1
18	A New Infrared Heat Treatment on Hot Forging 7075 Aluminum Alloy: Microstructure and Mechanical Properties. Materials, 2020, 13, 1177.	2.9	7

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19	Biodegradation ZK50 magnesium alloy compression screws: Mechanical properties, biodegradable characteristics and implant test. <i>Journal of Orthopaedic Science</i> , 2020, 25, 1107-1115.	1.1	16
20	Microstructure and tensile fracture behavior of three-stage heat treated inconel 718 alloy produced via laser powder bed fusion process. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3357-3367.	5.8	49
21	Microstructure, optical, electrical, and magnetic properties of ZnO/CuO thin films prepared using two-stage magnetron sputtering and diffusion doping process. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4017-4026.	2.2	2
22	A Study of the Sulfidation Behavior on Palladium-Coated Copper Wire with a Flash-Gold Layer (PCA) after Wire Bonding. <i>Electronics (Switzerland)</i> , 2019, 8, 792.	3.1	4
23	Particle Erosion Induced Phase Transformation of Different Matrix Microstructures of Powder Bed Fusion Ti-6Al-4V Alloy Flakes. <i>Metals</i> , 2019, 9, 730.	2.3	4
24	Study of electrical fatigue test in gold-coated silver-4wt.% palladium bonding wire. <i>Microelectronics Reliability</i> , 2019, 103, 113502.	1.7	5
25	Low Conductivity Decay of Sn <sub>0.7</sub> Cu <sub>0.2</sub> Zn Photovoltaic Ribbons for Solar Cell Application. <i>Micromachines</i> , 2019, 10, 550.	2.9	2
26	Biodegradable Implantation Material: Mechanical Properties and Surface Corrosion Mechanism of Mg-1Ca-0.5Zr Alloy. <i>Metals</i> , 2019, 9, 857.	2.3	9
27	Embrittlement Due to Excess Heat Input into Friction Stir Processed 7075 Alloy. <i>Materials</i> , 2019, 12, 227.	2.9	1
28	The Relationship of Fracture Mechanism between High Temperature Tensile Mechanical Properties and Particle Erosion Resistance of Selective Laser Melting Ti-6Al-4V Alloy. <i>Metals</i> , 2019, 9, 501.	2.3	18
29	Study of wire bonding reliability of Ag-Pd-Au alloy wire with flash-gold after chlorination and sulfidation. <i>Microelectronics Reliability</i> , 2019, 99, 186-196.	1.7	10
30	Impact of solid-solution treatment on microstructural characteristics and formability of rotary-swaged 2024 alloy tubes. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3137-3148.	5.8	13
31	Examination of the High Tensile Ductility Improvement in an As-Solutionized AA7075 Alloy with the Aid of a Friction Stir Process. <i>Metals</i> , 2019, 9, 196.	2.3	4
32	Wear Inducing Phase Transformation of Plasma Transfer Arc Coated Tools during Friction Stir Welding with Al Alloy. <i>Journal of Engineering (United States)</i> , 2019, 2019, 1-10.	1.0	4
33	The effect of hyper-rotation on the Weibull distribution of tensile properties in a friction stirred AA7075 aluminum alloy. <i>Materials Chemistry and Physics</i> , 2019, 226, 290-295.	4.0	2
34	Study of microstructure and tensile properties of infrared-heat-treated cast-forged 6082 aluminum alloy. <i>Journal of Materials Research and Technology</i> , 2019, 8, 173-179.	5.8	20
35	The charge-discharge characteristics and diffusion mechanism of Ti-Si-Al thin film anode using an electrically induced crystallization process. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	6
36	Enhancement of the Young's Modulus through Infrared Heat Treatment: A Study of the Microstructure and the Mass Effect of Real Body 6082 Aluminum Forgings. <i>Metals</i> , 2018, 8, 239.	2.3	3

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37	Erratum to "Preparation of Cu <sub>2</sub> Sn <sub>3</sub> S <sub>7</sub> Thin-Film Using a Three-Step Bake-Sulfurization-Sintering Process and Film Characterization" Journal of Nanomaterials, 2018, 2018, 1-1.	2.7	0
38	Microstructure and High Temperature Charge-Discharge Characteristics of 3D Additive Manufacturing Produced Mg-Ni Anode. Materials Transactions, 2018, 59, 685-689.	1.2	1
39	Effects of Static Heat and Dynamic Current on Al/Zn <sup>TM</sup> Cu/Sn Solder/Ag Interfaces of Sn Photovoltaic Al-Ribbon Modules. Materials, 2018, 11, 1642.	2.9	4
40	Effects of Tempered Microstructure and Hydrogen Concentration on Hydrogen-Induced Embrittlement Susceptibility of 10B21 Screws at Low Temperature. Materials Transactions, 2018, 59, 1124-1129.	1.2	2
41	Enhanced Formability and Accelerated Precipitation Behavior of 7075 Al Alloy Extruded Rod by High Temperature Aging. Metals, 2018, 8, 648.	2.3	14
42	Study on characteristics of interfacial microstructure and electrical current mechanism in Sn-xZn/Al photovoltaic modules. Solar Energy, 2018, 170, 840-848.	6.1	5
43	Microstructure Evolution and Microstructural Characteristics of Al-Mg-Si Aluminum Alloys Fabricated by a Modified Strain-Induced Melting Activation Process. Metals, 2018, 8, 3.	2.3	7
44	Enhancement of Mechanical Properties of Hot-Forged 6082 Suspension Parts via Rapid IR Heat Treatment. Metals, 2018, 8, 501.	2.3	8
45	Studies of Interfacial Microstructures and Series Resistance on Electroplated and Hot-Dipped Sn-xCu Photovoltaic Modules. Journal of Electronic Materials, 2018, 47, 6028-6035.	2.2	5
46	A study on electromigration-inducing intergranular fracture of fine silver alloy wires. Applied Physics Letters, 2017, 110, .	3.3	17
47	Dynamic Corrosion and Material Characteristics of Mg-Zn-Zr Mini-Tubes: The Influence of Microstructures and Extrusion Parameters. Advanced Engineering Materials, 2017, 19, 1700159.	3.5	12
48	Enhancing the tensile yield strength of A6082 aluminum alloy with rapid heat solutionizing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 438-445.	5.6	20
49	Mechanical and Electrical Properties of Palladium-Coated Copper Wires with Flash Gold. Journal of Electronic Materials, 2017, 46, 4384-4391.	2.2	11
50	Development of a novel micro-textured surface using duplex surface modification for biomedical Mg alloy applications. Materials Letters, 2017, 206, 9-12.	2.6	16
51	Development of a Novel Degradation-Controlled Magnesium-Based Regeneration Membrane for Future Guided Bone Regeneration (GBR) Therapy. Metals, 2017, 7, 481.	2.3	10
52	Aluminium Wires Have the Free Air Balls (FABs): Electronic Flame-Off, Fracture Strength, Electrical Properties, and Bonding Characteristics of Nano Zn Film Al-Si Bonding Wires. Metals, 2017, 7, 152.	2.3	6
53	Effects of Friction Stir Process and Stabilization Heat Treatment on Tensile Characteristics and Punch-Shear Properties of AZ61 Alloy. Materials Transactions, 2017, 58, 6-10.	1.2	1
54	Microstructures and Charge-Discharging Properties of Selective Laser Sintering Applied to the Anode of Magnesium Matrix. Materials Transactions, 2017, 58, 525-529.	1.2	4

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55	Decrease in Hydrogen Embrittlement Susceptibility of 10B21 Screws by Bake Aging. <i>Metals</i> , 2016, 6, 211.	2.3	4
56	Microstructures and Mechanical Properties of Austempering SUS440 Steel Thin Plates. <i>Metals</i> , 2016, 6, 35.	2.3	7
57	Microstructure Evolution and High-Temperature Compressibility of Modified Two-Step Strain-Induced Melt Activation-Processed Al-Mg-Si Aluminum Alloy. <i>Metals</i> , 2016, 6, 113.	2.3	4
58	High-Temperature Compressive Resistance and Mechanical Properties Improvement of Strain-Induced Melt Activation-Processed Al-Mg-Si Aluminum Alloy. <i>Metals</i> , 2016, 6, 183.	2.3	5
59	Structural Characteristics and Particle Erosion Resistance of SIMA-Processed Al-Mg-Si Alloy. <i>Materials Transactions</i> , 2016, 57, 135-142.	1.2	2
60	Thermoelectric Mechanism and Interface Characteristics of Cyanide-Free Nanogold-Coated Silver Wire. <i>Journal of Electronic Materials</i> , 2016, 45, 624-630.	2.2	6
61	High-temperature deformation resistance and forming behavior of two-step SIMA-processed 6066 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 659, 143-157.	5.6	15
62	Tailored coating chemistry and interfacial properties for construction of bioactive ceramic coatings on magnesium biomaterial. <i>Materials and Design</i> , 2016, 89, 235-244.	7.0	23
63	Microstructure, Mechanical and High-Temperature Electrical Properties of Cyanide-Free Au-Coated Ag Wire (ACA). <i>Materials Transactions</i> , 2015, 56, 441-444.	1.2	9
64	Weibull Statistics of Tensile-Shear Strength of 5083 Aluminum Alloy after Friction Stir Spot Welding. <i>Materials Transactions</i> , 2015, 56, 54-60.	1.2	5
65	Preparation of Cu <sub>2</sub> Sn <sub>3</sub> S <sub>7</sub> Thin-Film Using a Three-Step Bake-Sulfurization-Sintering Process and Film Characterization. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	2.7	6
66	A study of green Sn <sup>x</sup> Zn photovoltaic ribbons for solar cell application. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 561-566.	6.2	9
67	Structural and Raman properties of silver-doped ZnO nanorod arrays using electrically induced crystallization process. <i>Materials Research Bulletin</i> , 2015, 64, 274-278.	5.2	11
68	Heat treatment mechanism and biodegradable characteristics of ZAX1330 Mg alloy. <i>Materials Science and Engineering C</i> , 2015, 51, 300-308.	7.3	24
69	Effect of annealing on the microstructure and bonding interface properties of Ag <sup>x</sup> 2Pd alloy wire. <i>Microelectronics Reliability</i> , 2015, 55, 1256-1261.	1.7	23
70	Microstructure, tensile and electrical properties of gold-coated silver bonding wire. <i>Microelectronics Reliability</i> , 2015, 55, 608-612.	1.7	25
71	Characterizations of Cu/Sn <sup>x</sup> Zn Solder/Ag Interfaces on Photovoltaic Ribbon for Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2015, 5, 202-205.	2.5	13
72	Microstructure-modified biodegradable magnesium alloy for promoting cytocompatibility and wound healing in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 248.	3.6	20

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73	Intermetallic Phase on the Interface of Ag-Au-Pd/Al Structure. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-6.	1.8	16
74	Metallurgical Mechanism and Optical Properties of CuSnZnSSe Powders Using a 2-Step Sintering Process. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-8.	2.7	0
75	Microstructure and electrical mechanism of Sn <sup>x</sup> Ag <sup>1-x</sup> Cu PV-ribbon for solar cells. <i>Microelectronic Engineering</i> , 2014, 116, 33-39.	2.4	13
76	Microstructure, electric flame-off (EFO) characteristics and tensile properties of silver-lanthanum alloy wire. <i>Microelectronics Reliability</i> , 2014, 54, 2564-2569.	1.7	16
77	Forced diffusion via electrically induced crystallization for fabricating ZnO-Ti-Si structures. <i>Materials Research Bulletin</i> , 2014, 59, 425-430.	5.2	1
78	Hall&ndash;Petch Tensile Yield Stress and Grain Size Relation of Al&ndash;5Mg&ndash;0.5Mn Alloy in Friction-Stir-Processed and Post-Thermal-Exposed Conditions. <i>Materials Transactions</i> , 2014, 55, 357-362.	1.2	7
79	A study at room temperature and 55°C on the charge&ndash;discharge characteristics of Si(100 <sup>x</sup> )Al <sub>x</sub> thin film anode for Li-ion batteries. <i>Surface and Coatings Technology</i> , 2013, 215, 79-84.	4.8	6
80	Effects of Ag doping and annealing on the charge&ndash;discharge characteristics of Al <sub>0.6</sub> Si <sub>0.4</sub> thin film anode. <i>Thin Solid Films</i> , 2013, 544, 28-32.	1.8	3
81	Recovery of thermal-degraded ZnO photodetector by embedding nano silver oxide nanoparticles. <i>Applied Surface Science</i> , 2013, 279, 31-35.	6.1	13
82	The inter-metallic oxide of ZnO/ITO/ZnO tri-layer films using a heat-induced diffusion mechanism. <i>Applied Surface Science</i> , 2013, 273, 598-602.	6.1	6
83	Effect of the direct current on microstructure, tensile property and bonding strength of pure silver wires. <i>Microelectronics Reliability</i> , 2013, 53, 1159-1163.	1.7	19
84	Simple Fabrication Process for 2D ZnO Nanowalls and Their Potential Application as a Methane Sensor. <i>Sensors</i> , 2013, 13, 3941-3950.	3.8	52
85	Improvement of Charge-Discharge Characteristics of the Mg-Ni Powder Electrodes at 55°C. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	2
86	Microstructures and Mechanical Properties of Austempering Cr&ndash;Mo (SCM 435) Alloy Steel. <i>Materials Transactions</i> , 2013, 54, 56-60.	1.2	4
87	Microstructure and Charge&ndash;Discharge Characteristics of Ag&ndash;AgCl Coated Natural Bamboo Carbon. <i>Materials Transactions</i> , 2013, 54, 1018-1024.	1.2	4
88	Effects of Friction Stir Process and Stabilizing Heat Treatment on the Tensile and Punch-Shear Properties of Mg&ndash;9Li&ndash;2Al&ndash;1Zn Magnesium Alloy. <i>Materials Transactions</i> , 2013, 54, 505-511.	1.2	8
89	Effects of Electrical Current on Microstructure and Interface Properties of Sn&ndash;Ag&ndash;Cu/Ag Photovoltaic Ribbons. <i>Materials Transactions</i> , 2013, 54, 1155-1159.	1.2	3
90	Electrical Crystallization Mechanism and Interface Characteristics of Nanowire ZnO/Al Structures Fabricated by the Solution Method. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	2.7	2

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91	Effects of Vacuum Annealing on the Charge&ndash;Discharge Characteristics of Eutectic Al&ndash;Si/Al Thin Film as Anode Material for Li-Ion Batteries. Materials Transactions, 2012, 53, 1669-1673.	1.2	0
92	Microstructural Characteristics of InGaZnO Thin Film Using an Electrical Current Method. Materials Transactions, 2012, 53, 733-738.	1.2	3
93	Microstructural Effects of Zn/Mg Ratio and Post Heat Treatment on Tensile Properties of Friction Stirred Process (FSP) Al&ndash;&lt;i>x</i>&lt;i>y</i>&lt;i>z</i> Zn&ndash;&lt;i>x</i>&lt;i>y</i>&lt;i>z</i> Mg Alloys. Materials Transactions, 2012, 53, 995-1001.	1.2	5
94	The crystallization characteristics and photoluminescence properties of ZnO/Ag nanoflower arrays. , 2012, , .		0
95	Isopropyl Alcohol Sensors of CuO Nanotubes by Thermal Oxidation of Copper Films on Glass. IEEE Sensors Journal, 2011, 11, 3276-3282.	4.7	5
96	Effects of Ag nanoshape and AgGa phase in Ag&sup3;-Si nanostructure using 2-step etching process. Journal of Alloys and Compounds, 2011, 509, 758-763.	5.5	4
97	Nanostructural characteristics of oxide-cap GaN nanotips by iodine&sup3;-gallium ions etching. Journal of Alloys and Compounds, 2011, 509, 2360-2363.	5.5	6
98	Embrittlement Mechanism on Tensile Fracture of 7075 Al Alloy with Friction Stir Process (FSP). Materials Transactions, 2011, 52, 112-117.	1.2	9
99	Structural Effects and Charge-Discharge Characteristics of Mg-C/Mg-Li Alloy Thin Film Materials. Materials Transactions, 2011, 52, 1127-1131.	1.2	1
100	Effect of the Twins on Mechanical Properties of AISI 304 Stainless Steel Wire Using Electrical Current Method. Materials Transactions, 2011, 52, 25-30.	1.2	5
101	Crystallization Mechanism and Raman Characteristics of ZnO/In/ZnO Thin Film Using an Electrical Current Method. Materials Transactions, 2011, 52, 1138-1141.	1.2	6
102	The Bias-Crystallization Mechanism on Structural Characteristics and Electrical Properties of Zn-In-Sn-O Film. Materials Transactions, 2011, 52, 1560-1564.	1.2	6
103	Microstructure, electric flame-off characteristics and tensile properties of silver bonding wires. Microelectronics Reliability, 2011, 51, 2243-2249.	1.7	20
104	Electrical current induced mechanism in microstructure and nano-indentation of Al&sup3;-Zn&sup3;-Mg&sup3;-Cu (AZMC) Al alloy thin film. Current Applied Physics, 2011, 11, 1269-1273.	2.4	8
105	Improvement of n-ZnO/p-Si photodiodes by embedding of silver nanoparticles. Journal of Nanoparticle Research, 2011, 13, 4757-4763.	1.9	12
106	Effects of crystallization on the optical properties of ZnO nano-pillar thin films by sol-gel method. Current Applied Physics, 2011, 11, 1243-1248.	2.4	19
107	A study on the tensile fracture mechanism of 15&sup1;4m copper wire after EFO process. Microelectronics Reliability, 2011, 51, 25-29.	1.7	19
108	An investigation into the crystallization and electric flame-off characteristics of 20&sup1;4m copper wires. Microelectronics Reliability, 2011, 51, 21-24.	1.7	12

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109	The Charge-Discharge Characteristics of Woody Carbon Modified with Fe <sub>3</sub> O <sub>4</sub> Nano Phase Using the Hydrothermal Method. Materials Transactions, 2010, 51, 186-191.	1.2	3
110	Microstructures and the Charge-Discharge Characteristics of Advanced Al-Si Thin Film Materials. Materials Transactions, 2010, 51, 1958-1963.	1.2	5
111	Recrystallization, Electric Flame-Off Characteristics, and Electron Backscatter Diffraction of Copper Bonding Wires. IEEE Transactions on Advanced Packaging, 2010, 33, 58-63.	1.6	6
112	Microstructural Characteristics and the Charge-Discharge Characteristics of Sn-Cu Thin Film Materials. Materials Transactions, 2009, 50, 381-387.	1.2	14
113	Two-Step Etching Mechanism of Ag-Si Nanostructure with Various Ag Nanoshape Depositions. Materials Transactions, 2009, 50, 1992-1997.	1.2	0
114	Weibull Statistics for Evaluating Failure Behaviors and Joining Reliability of Friction Stir Spot Welded 5052 Aluminum Alloy. Materials Transactions, 2009, 50, 145-151.	1.2	13
115	Electric Flame-Off Characteristics and Fracture Properties of 20 μm Thin Copper Bonding Wire. Materials Transactions, 2009, 50, 293-298.	1.2	6
116	Microstructures and Fusing Electrical Current of Microelectronic Sn-9Zn-(0.25RE) Solders. Materials Transactions, 2008, 49, 1491-1495.	1.2	2
117	Mechanical Properties and Resonant Characteristics of Friction Stirred AZ31-Mg Alloy. Materials Transactions, 2008, 49, 2591-2596.	1.2	7
118	Electromagnetic Interference Shielding Characteristics of Sn-Al Powder Coating Layers. Materials Transactions, 2008, 49, 655-660.	1.2	9
119	The Recrystallization of Microelectronic Lead-Free Solders. Materials Transactions, 2008, 49, 2298-2302.	1.2	4
120	Influence of Ga addition on Microstructure, Tensile Properties and Surface Oxide Film Characteristics of Microelectronic Sn-9Zn-xGa Solders. Materials Transactions, 2008, 49, 1496-1502.	1.2	2
121	Activation Energy of AgInSbTe Film through Isothermal Sheet Resistance Measurements. Materials Transactions, 2007, 48, 258-264.	1.2	3
122	Variation of Microstructure and Electrical Conductivity of Amorphous AgInSbTe and SbTe Films during Crystallization. Materials Transactions, 2007, 48, 610-617.	1.2	10
123	Microstructures and high temperature mechanical properties of friction stirred AZ31-Mg alloy. Journal of Alloys and Compounds, 2007, 428, 106-114.	5.5	44
124	Vibration fracture behavior of Sn-9Zn-xCu lead-free solders. Journal of Materials Science, 2007, 42, 3865-3873.	3.7	16
125	Vibration behavior of light metals: Al-Zn alloy and Mg-Al-Zn alloy. Journal of Materials Science, 2007, 42, 5020-5028.	3.7	6
126	Recrystallization and fracture characteristics of thin copper wire. Journal of Materials Science, 2007, 42, 5476-5482.	3.7	23



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127	A study of the thin film on the surface of Sn <sup>3.5</sup> Ag/Sn <sup>3.5</sup> Ag <sup>2.0</sup> Cu lead-free alloy. Journal of Alloys and Compounds, 2006, 415, 85-92.	5.5	32
128	Thermoelectric characteristics and tensile properties of Sn <sup>9</sup> Zn <sup>x</sup> Ag lead-free solders. Journal of Alloys and Compounds, 2006, 420, 193-198.	5.5	28
129	Electrochemical Characteristics of LiMn <sub>2</sub> O <sub>4</sub> (Li/Ni) Cathode Materials. Materials Transactions, 2006, 47, 2759-2764.	1.2	6
130	The Effect of Electrical Current on Tensile Properties and Vibration Characteristics of Sn-9Zn-1Cu Lead-Free Solder. Materials Transactions, 2006, 47, 2935-2941.	1.2	5
131	Recrystallization Effect and Electric Flame-Off Characteristic of Thin Copper Wire. Materials Transactions, 2006, 47, 1776-1781.	1.2	12
132	Thin Film Characteristics of Sn&dash;3.5Ag&dash;(2.0Cu) Alloy. Materials Transactions, 2005, 46, 3020-3025.	1.2	2
133	Electrical Current Phase Transformation of Sn&dash;9Zn&dash;1Ag Alloy. Materials Transactions, 2005, 46, 1820-1824.	1.2	17
134	Structure and vibration characteristics of Ti-Al-Mo-V alloy. Journal of Materials Science, 2005, 40, 3683-3688.	3.7	7
135	Phase Transformation of an Austempered Ductile Iron during an Erosion Process. Materials Transactions, 2004, 45, 2981-2986.	1.2	9
136	The Microstructural Effects on Tensile Properties and Erosion Wear Resistance in Upper Bainitic ADI Related to Variation in Silicon Content. Materials Transactions, 2002, 43, 1748-1757.	1.2	3
137	Effect of Morphology and Si Content on SiO <sub>2</sub> Particle Erosion of Full Pearlitic Spheroidal Graphite Cast Iron. Materials Transactions, 2002, 43, 42-48.	1.2	5
138	Effect of Si Content on SiO <sub>2</sub> Particle Erosion of Spheroidal Graphite Cast Iron. Materials Transactions, 2001, 42, 2613-2621.	1.2	6