Fei-Yi Hung

List of Publications by Year
in descending order

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		471509	580821
138	1,262	17	25
papers	citations	h-index	g-index

145	145	145	1060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple Fabrication Process for 2D ZnO Nanowalls and Their Potential Application as a Methane Sensor. Sensors, 2013, 13, 3941-3950.	3.8	52
2	Microstructure and tensile fracture behavior of three-stage heat treated inconel 718 alloy produced via laser powder bed fusion process. Journal of Materials Research and Technology, 2020, 9, 3357-3367.	5.8	49
3	Microstructures and high temperature mechanical properties of friction stirred AZ31â€“Mg alloy. Journal of Alloys and Compounds, 2007, 428, 106-114.	5.5	44
4	A study of the thin film on the surface of Snâ€“3.5Ag/Snâ€“3.5Agâ€“2.0Cu lead-free alloy. Journal of Alloys and Compounds, 2006, 415, 85-92.	5.5	32
5	Thermoelectric characteristics and tensile properties of Snâ€“9Znâ€“xAg lead-free solders. Journal of Alloys and Compounds, 2006, 420, 193-198.	5.5	28
6	Microstructure, tensile and electrical properties of gold-coated silver bonding wire. Microelectronics Reliability, 2015, 55, 608-612.	1.7	25
7	Heat treatment mechanism and biodegradable characteristics of ZAX1330 Mg alloy. Materials Science and Engineering C, 2015, 51, 300-308.	7.3	24
8	Recrystallization and fracture characteristics of thin copper wire. Journal of Materials Science, 2007, 42, 5476-5482.	3.7	23
9	Effect of annealing on the microstructure and bonding interface properties of Agâ€“2Pd alloy wire. Microelectronics Reliability, 2015, 55, 1256-1261.	1.7	23
10	Tailored coating chemistry and interfacial properties for construction of bioactive ceramic coatings on magnesium biomaterial. Materials and Design, 2016, 89, 235-244.	7.0	23
11	Microstructure, electric flame-off characteristics and tensile properties of silver bonding wires. Microelectronics Reliability, 2011, 51, 2243-2249.	1.7	20
12	Microstructure-modified biodegradable magnesium alloy for promoting cytocompatibility and wound healing in vitro. Journal of Materials Science: Materials in Medicine, 2015, 26, 248.	3.6	20
13	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
14	Study of microstructure and tensile properties of infrared-heat-treated cast-forged 6082 aluminum alloy. Journal of Materials Research and Technology, 2019, 8, 173-179.	5.8	20
15	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
16	A study on the tensile fracture mechanism of 15Î¼m copper wire after EFO process. Microelectronics Reliability, 2011, 51, 25-29.	1.7	19
17	Effect of the direct current on microstructure, tensile property and bonding strength of pure silver wires. Microelectronics Reliability, 2013, 53, 1159-1163.	1.7	19
18	The Relationship of Fracture Mechanism between High Temperature Tensile Mechanical Properties and Particle Erosion Resistance of Selective Laser Melting Ti-6Al-4V Alloy. Metals, 2019, 9, 501.	2.3	18

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19	Electrical Current Phase Transformation of Sn–9Zn–1Ag Alloy. Materials Transactions, 2005, 46, 1820-1824.	1.2	17
20	A study on electromigration-inducing intergranular fracture of fine silver alloy wires. Applied Physics Letters, 2017, 110, .	3.3	17
21	Improving the applicability of wear-resistant Alâ€“10Siâ€“0.5â€¯Mg 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
22	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
23	Vibration fracture behavior of Snâ€“9Znâ€“xCu lead-free solders. Journal of Materials Science, 2007, 42, 3865-3873.	3.7	16
24	Intermetallic Phase on the Interface of Ag-Au-Pd/Al Structure. Advances in Materials Science and Engineering, 2014, 2014, 1-6.	1.8	16
25	Microstructure, electric flame-off (EFO) characteristics and tensile properties of silverâ€“lanthanum alloy wire. Microelectronics Reliability, 2014, 54, 2564-2569.	1.7	16
26	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
27	Biodegradation ZK50 magnesium alloy compression screws: Mechanical properties, biodegradable characteristics and implant test. Journal of Orthopaedic Science, 2020, 25, 1107-1115.	1.1	16
28	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
29	High-temperature deformation resistance and forming behavior of two-step SIMA-processed 6066 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 659, 143-157.	5.6	15
30	Microstructural Characteristics and the Charge-Discharge Characteristics of Sn-Cu Thin Film Materials. Materials Transactions, 2009, 50, 381-387.	1.2	14
31	Enhanced Formability and Accelerated Precipitation Behavior of 7075 Al Alloy Extruded Rod by High Temperature Aging. Metals, 2018, 8, 648.	2.3	14
32	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
33	Recovery of thermal-degraded ZnO photodetector by embedding nano silver oxide nanoparticles. Applied Surface Science, 2013, 279, 31-35.	6.1	13
34	Microstructure and electrical mechanism of Snâ€“xAgâ€“Cu PV-ribbon for solar cells. Microelectronic Engineering, 2014, 116, 33-39.	2.4	13
35	Characterizations of Cu/Snâ€“Zn Solder/Ag Interfaces on Photovoltaic Ribbon for Silicon Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 202-205.	2.5	13
36	Impact of solid-solution treatment on microstructural characteristics and formability of rotary-swaged 2024 alloy tubes. Journal of Materials Research and Technology, 2019, 8, 3137-3148.	5.8	13

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37	Recrystallization Effect and Electric Flame-Off Characteristic of Thin Copper Wire. Materials Transactions, 2006, 47, 1776-1781.	1.2	12
38	Improvement of n-ZnO/p-Si photodiodes by embedding of silver nanoparticles. Journal of Nanoparticle Research, 2011, 13, 4757-4763.	1.9	12
39	An investigation into the crystallization and electric flame-off characteristics of 20Î¼m copper wires. Microelectronics Reliability, 2011, 51, 21-24.	1.7	12
40	Dynamic Corrosion and Material Characteristics of Mgâ€“Znâ€“Zr Miniâ€Tubes: The Influence of Microstructures and Extrusion Parameters. Advanced Engineering Materials, 2017, 19, 1700159.	3.5	12
41	Structural and Raman properties of silver-doped ZnO nanorod arrays using electrically induced crystallization process. Materials Research Bulletin, 2015, 64, 274-278.	5.2	11
42	Mechanical and Electrical Properties of Palladium-Coated Copper Wires with Flash Gold. Journal of Electronic Materials, 2017, 46, 4384-4391.	2.2	11
43	Erosion Resistance and Particle Erosion-Induced Tensile Embrittlement of 3D-Selective Laser Melting Inconel 718 Superalloy. Metals, 2020, 10, 21.	2.3	11
44	Variation of Microstructure and Electrical Conductivity of Amorphous AgInSbTe and SbTe Films during Crystallization. Materials Transactions, 2007, 48, 610-617.	1.2	10
45	Development of a Novel Degradation-Controlled Magnesium-Based Regeneration Membrane for Future Guided Bone Regeneration (GBR) Therapy. Metals, 2017, 7, 481.	2.3	10
46	Study of wire bonding reliability of Ag-Pd-Au alloy wire with flash-gold after chlorination and sulfidation. Microelectronics Reliability, 2019, 99, 186-196.	1.7	10
47	Phase Transformation of an Austempered Ductile Iron during an Erosion Process. Materials Transactions, 2004, 45, 2981-2986.	1.2	9
48	Electromagnetic Interference Shielding Characteristics of Sn-Al Powder Coating Layers. Materials Transactions, 2008, 49, 655-660.	1.2	9
49	Embrittlement Mechanism on Tensile Fracture of 7075 Al Alloy with Friction Stir Process (FSP). Materials Transactions, 2011, 52, 112-117.	1.2	9
50	Microstructure, Mechanical and High-Temperature Electrical Properties of Cyanide-Free Au-Coated Ag Wire (ACA). Materials Transactions, 2015, 56, 441-444.	1.2	9
51	A study of green Snâ€“xZn photovoltaic ribbons for solar cell application. Solar Energy Materials and Solar Cells, 2015, 143, 561-566.	6.2	9
52	Biodegradable Implantation Material: Mechanical Properties and Surface Corrosion Mechanism of Mg-1Ca-0.5Zr Alloy. Metals, 2019, 9, 857.	2.3	9
53	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
54	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

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55	Electrical current induced mechanism in microstructure and nano-indention of Alâ€“Znâ€“Mgâ€“Cu (AZMC) Al alloy thin film. Current Applied Physics, 2011, 11, 1269-1273.	2.4	8
56	Effects of Friction Stir Process and Stabilizing Heat Treatment on the Tensile and Punch-Shear Properties of Mg–9Li–2Al–1Zn Magnesium Alloy. Materials Transactions, 2013, 54, 505-511.	1.2	8
57	Enhancement of Mechanical Properties of Hot-Forged 6082 Suspension Parts via Rapid IR Heat Treatment. Metals, 2018, 8, 501.	2.3	8
58	Structure and vibration characteristics of Ti-Al-Mo-V alloy. Journal of Materials Science, 2005, 40, 3683-3688.	3.7	7
59	Mechanical Properties and Resonant Characteristics of Friction Stirred AZ31-Mg Alloy. Materials Transactions, 2008, 49, 2591-2596.	1.2	7
60	Hall–Petch Tensile Yield Stress and Grain Size Relation of Al–5Mg–0.5Mn Alloy in Friction-Stir-Processed and Post-Thermal-Exposed Conditions. Materials Transactions, 2014, 55, 357-362.	1.2	7
61	Microstructures and Mechanical Properties of Austempering SUS440 Steel Thin Plates. Metals, 2016, 6, 35.	2.3	7
62	Microstructure Evolution and Microstructural Characteristics of Alâ€“Mgâ€“Si Aluminum Alloys Fabricated by a Modified Strain-Induced Melting Activation Process. Metals, 2018, 8, 3.	2.3	7
63	A New Infrared Heat Treatment on Hot Forging 7075 Aluminum Alloy: Microstructure and Mechanical Properties. Materials, 2020, 13, 1177.	2.9	7
64	Effect of Si Content on SiO₂ Particle Erosion of Spheroidal Graphite Cast Iron. Materials Transactions, 2001, 42, 2613-2621.	1.2	6
65	Electrochemical Characteristics of LiMn₂O₄ (Li/Ni) Cathode Materials. Materials Transactions, 2006, 47, 2759-2764.	1.2	6
66	Vibration behavior of light metals: Alâ€“Zn alloy and Mgâ€“Alâ€“Zn alloy. Journal of Materials Science, 2007, 42, 5020-5028.	3.7	6
67	Electric Flame-Off Characteristics and Fracture Properties of 20 μm Thin Copper Bonding Wire. Materials Transactions, 2009, 50, 293-298.	1.2	6
68	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
69	Nanostructural characteristics of oxide-cap GaN nanotips by iodineâ€“gallium ions etching. Journal of Alloys and Compounds, 2011, 509, 2360-2363.	5.5	6
70	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
71	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
72	A study at room temperature and 55Â°C on the chargeâ€“discharge characteristics of Si(100â^'x)Alx thin film anode for Li-ion batteries. Surface and Coatings Technology, 2013, 215, 79-84.	4.8	6

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73	The inter-metallic oxide of ZnO/ITO/ZnO tri-layer films using a heat-induced diffusion mechanism. Applied Surface Science, 2013, 273, 598-602.	6.1	6
74	Preparation of Cu₂Sn₃S₇Thin-Film Using a Three-Step Bake-Sulfurization-Sintering Process and Film Characterization. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	6
75	Thermoelectric Mechanism and Interface Characteristics of Cyanide-Free Nanogold-Coated Silver Wire. Journal of Electronic Materials, 2016, 45, 624-630.	2.2	6
76	Aluminium Wires Have the Free Air Balls (FABs): Electronic Flame-Off, Fracture Strength, Electrical Properties, and Bonding Characteristics of Nano Zn Film Alâ€“Si Bonding Wires. Metals, 2017, 7, 152.	2.3	6
77	The charge-discharge characteristics and diffusion mechanism of Ti-Si-Al thin film anode using an electrically induced crystallization process. Journal of Applied Physics, 2018, 123, .	2.5	6
78	Mechanical properties and biomedical application characteristics of degradable polylactic acidâ€“Mgâ€“Ca3(PO4)2 three-phase composite. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104949.	3.1	6
79	Effect of Morphology and Si Content on SiO₂ Particle Erosion of Full Pearlitic Spheroidal Graphite Cast Iron. Materials Transactions, 2002, 43, 42-48.	1.2	5
80	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
81	Microstructures and the Charge-Discharge Characteristics of Advanced Al-Si Thin Film Materials. Materials Transactions, 2010, 51, 1958-1963.	1.2	5
82	Isopropyl Alcohol Sensors of CuO Nanotubes by Thermal Oxidation of Copper Films on Glass. IEEE Sensors Journal, 2011, 11, 3276-3282.	4.7	5
83	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
84	Microstructural Effects of Zn/Mg Ratio and Post Heat Treatment on Tensile Properties of Friction Stirred Process (FSP) Al–<i>x</i>Zn–<i>y</i>Mg Alloys. Materials Transactions, 2012, 53, 995-1001.	1.2	5
85	Weibull Statistics of Tensile-Shear Strength of 5083 Aluminum Alloy after Friction Stir Spot Welding. Materials Transactions, 2015, 56, 54-60.	1.2	5
86	High-Temperature Compressive Resistance and Mechanical Properties Improvement of Strain-Induced Melt Activation-Processed Al-Mg-Si Aluminum Alloy. Metals, 2016, 6, 183.	2.3	5
87	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
88	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
89	Study of electrical fatigue test in gold-coated siliver-4â€¯wt.% palladium bonding wire. Microelectronics Reliability, 2019, 103, 113502.	1.7	5
90	Al2O3 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

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91	The Recrystallization of Microelectronic Lead-Free Solders. Materials Transactions, 2008, 49, 2298-2302.	1.2	4
92	Effects of Ag nanoshape and AgGa phase in Agâ€“Si nanostructure using 2-step etching process. Journal of Alloys and Compounds, 2011, 509, 758-763.	5.5	4
93	Microstructures and Mechanical Properties of Austempering Cr–Mo (SCM 435) Alloy Steel. Materials Transactions, 2013, 54, 56-60.	1.2	4
94	Microstructure and Charge–Discharge Characteristics of Ag–AgCl Coated Natural Bamboo Carbon. Materials Transactions, 2013, 54, 1018-1024.	1.2	4
95	Decrease in Hydrogen Embrittlement Susceptibility of 10B21 Screws by Bake Aging. Metals, 2016, 6, 211.	2.3	4
96	Microstructure Evolution and High-Temperature Compressibility of Modified Two-Step Strain-Induced Melt Activation-Processed Al-Mg-Si Aluminum Alloy. Metals, 2016, 6, 113.	2.3	4
97	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
98	Effects of Static Heat and Dynamic Current on Al/Znâ™Cu/Sn Solder/Ag Interfaces of Sn Photovoltaic Al-Ribbon Modules. Materials, 2018, 11, 1642.	2.9	4
99	A Study of the Sulfidation Behavior on Palladium-Coated Copper Wire with a Flash-Gold Layer (PCA) after Wire Bonding. Electronics (Switzerland), 2019, 8, 792.	3.1	4
100	Particle Erosion Induced Phase Transformation of Different Matrix Microstructures of Powder Bed Fusion Ti-6Al-4V Alloy Flakes. Metals, 2019, 9, 730.	2.3	4
101	Examination of the High Tensile Ductility Improvement in an As-Solutionized AA7075 Alloy with the Aid of a Friction Stir Process. Metals, 2019, 9, 196.	2.3	4
102	Wear Inducing Phase Transformation of Plasma Transfer Arc Coated Tools during Friction Stir Welding with Al Alloy. Journal of Engineering (United States), 2019, 2019, 1-10.	1.0	4
103	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
104	Microstructure, Mechanical Properties, Degradation Behavior, and Implant Testing of Hot-Rolled Biodegradable ZKX500 Magnesium Alloy. Applied Sciences (Switzerland), 2021, 11, 10677.	2.5	4
105	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
106	Activation Energy of AgInSbTe Film through Isothermal Sheet Resistance Measurements. Materials Transactions, 2007, 48, 258-264.	1.2	3
107	The Charge-Discharge Characteristics of Woody Carbon Modified with Fe₃O₄ Nano Phase Using the Hydrothermal Method. Materials Transactions, 2010, 51, 186-191.	1.2	3
108	Microstructural Characteristics of InGaZnO Thin Film Using an Electrical Current Method. Materials Transactions, 2012, 53, 733-738.	1.2	3

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109	Effects of Ag doping and annealing on the chargeâ€“discharge characteristics of Al0.6Si0.4 thin film anode. Thin Solid Films, 2013, 544, 28-32.	1.8	3
110	Effects of Electrical Current on Microstructure and Interface Properties of Sn–Ag–Cu/Ag Photovoltaic Ribbons. Materials Transactions, 2013, 54, 1155-1159.	1.2	3
111	Enhancement of the Youngâ€™s Modulus through Infrared Heat Treatment: A Study of the Microstructure and the Mass Effect of Real Body 6082 Aluminum Forgings. Metals, 2018, 8, 239.	2.3	3
112	Effect of electrification and chlorination on the microstructure and electrical properties of fine Al wires. Microelectronics Reliability, 2021, 124, 114234.	1.7	3
113	A Novel Two-Stage Heat Treatment with Medium-Temperature Aging Influence on Microstructure, Al3(Sc, Zr) Nanoprecipitation, and Application Properties, Enhancing Selective Laser Melting of Alâ€“Mgâ€“Scâ€“Zr Alloy. Nanomaterials, 2022, 12, 2078.	4.1	3
114	Thin Film Characteristics of Sn–3.5Ag–(2.0Cu) Alloy. Materials Transactions, 2005, 46, 3020-3025.	1.2	2
115	Microstructures and Fusing Electrical Current of Microelectronic Sn-9Zn-(0.25RE) Solders. Materials Transactions, 2008, 49, 1491-1495.	1.2	2
116	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
117	Electrical Crystallization Mechanism and Interface Characteristics of Nanowire ZnO/Al Structures Fabricated by the Solution Method. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	2
118	Improvement of Charge-Discharge Characteristics of the Mg-Ni Powder Electrodes at 55Â°C. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	2
119	Structural Characteristics and Particle Erosion Resistance of SIMA-Processed Al-Mg-Si Alloy. Materials Transactions, 2016, 57, 135-142.	1.2	2
120	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
121	Low Conductivity Decay of Snâ€“0.7Cuâ€“0.2Zn Photovoltaic Ribbons for Solar Cell Application. Micromachines, 2019, 10, 550.	2.9	2
122	The effect of hyper-rotation on the Weibull distribution of tensile properties in a friction stirred AA7075 aluminum alloy. Materials Chemistry and Physics, 2019, 226, 290-295.	4.0	2
123	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
124	Novel photovoltaic ribbon technology: Interfacial behavior of Inâ€“50Sn alloy ribbon without metal matrix under electrothermal effects and chlorine corrosion. Materials Today Communications, 2021, 26, 101865.	1.9	2
125	Microstructure, optical, electrical, and magnetic properties of ZnO/CuO thin films prepared using two-stage magnetron sputtering and diffusion doping process. Journal of Materials Science: Materials in Electronics, 2020, 31, 4017-4026.	2.2	2
126	Structural Effects and Charge-Discharge Characteristics of Mg-C/Mg-Li Alloy Thin Film Materials. Materials Transactions, 2011, 52, 1127-1131.	1.2	1

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127	Forced diffusion via electrically induced crystallization for fabricating ZnOâ€“Tiâ€“Si structures. Materials Research Bulletin, 2014, 59, 425-430.	5.2	1
128	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
129	Microstructure and High Temperature Charge-Discharge Characteristics of 3D Additive Manufacturing Produced Mg-Ni Anode. Materials Transactions, 2018, 59, 685-689.	1.2	1
130	Embrittlement Due to Excess Heat Input into Friction Stir Processed 7075 Alloy. Materials, 2019, 12, 227.	2.9	1
131	Wedge bonding technologies: microstructure, mechanical properties and electrical properties of fine Alâ€“Znâ€“Si alloy wire. Journal of Materials Science: Materials in Electronics, 2020, 31, 9270-9283.	2.2	1
132	Two-Step Etching Mechanism of Ag-Si Nanostructure with Various Ag Nanoshape Depositions. Materials Transactions, 2009, 50, 1992-1997.	1.2	0
133	Effects of Vacuum Annealing on the Charge–Discharge Characteristics of Eutectic Al–Si/Al Thin Film as Anode Material for Li-Ion Batteries. Materials Transactions, 2012, 53, 1669-1673.	1.2	0
134	The crystallization characteristics and photoluminescence properties of ZnO/Ag nanoflower arrays. , 2012, , .		0
135	Metallurgical Mechanism and Optical Properties of CuSnZnSSe Powders Using a 2-Step Sintering Process. Journal of Nanomaterials, 2014, 2014, 1-8.	2.7	0
136	Erratum to â€œPreparation of Cu₂Sn₃S₇ Thin-Film Using a Three-Step Bake-Sulfurization-Sintering Process and Film Characterizationâ€• Journal of Nanomaterials, 2018, 2018, 1-1.	2.7	0
137	Interface behavior and electrical properties of Znâ€“Snâ€“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
138	Optical, Microstructure, and Electromagnetic Properties of (1â€‰â^'â€‰x)ZnOâ€‰â^'â€‰xCuO Powders Prepared Using Two-Stage Sintering and Direct Synthesis. Jom, 2021, 73, 815-822.	1.9	0