

Zilong Peng

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Fabrication of High-Performance Silver Mesh for Transparent Glass Heaters via Electric-Field-Driven Microscale 3D Printing and UV-Assisted Microtransfer. <i>Advanced Materials</i> , 2019, 31, e1902479.	21.0	99
2	Templateless, Plating-Free Fabrication of Flexible Transparent Electrodes with Embedded Silver Mesh by Electric-Field-Driven Microscale 3D Printing and Hybrid Hot Embossing. <i>Advanced Materials</i> , 2021, 33, e2007772.	21.0	78
3	Directly Printed Embedded Metal Mesh for Flexible Transparent Electrode via Liquid Substrate Electric-Field-Driven Jet. <i>Advanced Science</i> , 2022, 9, e2105331.	11.2	74
4	Development of a reversible machining method for fabrication of microstructures by using micro-EDM. <i>Journal of Materials Processing Technology</i> , 2010, 210, 129-136.	6.3	37
5	3D Printing of a PDMS Cylindrical Microlens Array with 100% Fill-Factor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36295-36306.	8.0	33
6	Microstructure and mechanical performance of AZ31/2024 dissimilar alloy joints using a multi-interlayer of Ni/Al/Zn via ultrasonic-assisted transient liquid phase bonding. <i>Materials and Design</i> , 2021, 197, 109218.	7.0	16
7	Printed Flexible Transparent Electrodes for Harsh Environments. <i>Advanced Materials Technologies</i> , 2022, 7, 2101087.	5.8	14
8	Microstructure and Formation Mechanism of Ultrasound-Assisted Transient Liquid Phase Bonded Magnesium Alloys with Ni Interlayer. <i>Materials</i> , 2019, 12, 3732.	2.9	12
9	Directly Printed Interconnection Wires between Layers for 3D Integrated Stretchable Electronics. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	10
10	The Microstructure and Wear Resistance of a Copper Matrix Composite Layer on Copper via Nitrogen-Shielded Arc Cladding. <i>Coatings</i> , 2016, 6, 67.	2.6	8
11	Processing of heat-treated steel by arc discharge machining. <i>Materials and Manufacturing Processes</i> , 2020, 35, 104-112.	4.7	8
12	Low Cost and Facile Fabrication of a Micro-Mold with High Aspect Ratio for Transparent Electrodes with Metal Mesh Using Micro-Scale 3D Printing. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	8
13	Directly Writing Patterning of Conductive Material by High Voltage Induced Weak Electric Arc Machining (HV-1/4EAM). <i>Coatings</i> , 2019, 9, 538.	2.6	7
14	Micro Electrical Discharge Machining Deposition in Air for Fabrication of Micro Spiral Structures. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2010, 23, 154.	3.7	7
15	Fabrication of a Large-Area, Fused Polymer Micromold Based on Electric-Field-Driven (EFD) 1/4-3D Printing. <i>Polymers</i> , 2019, 11, 1902.	4.5	6
16	Evolution of IMC layer and its reinforcing effect in 2024/MB8 dissimilar joints using a multi-interlayer of Cu/Zn via U-TLP bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 835, 142627.	5.6	6
17	Multi-Scale Structure and Directional Hydrophobicity of Titanium Alloy Surface Using Electrical Discharge. <i>Micromachines</i> , 2022, 13, 937.	2.9	1
18	Microstructure and Mechanical Properties of AZ31B/LY12 Joints Using Zn/Ag-Cu-Zn/Zn Multi-Interlayers via Ultrasound-Assisted Transient Liquid Phase Bonding. <i>Metals</i> , 2022, 12, 909.	2.3	0