

Peng Dong

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

607
citations

933447

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677142

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docs citations

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451
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation behaviors and cyclic strength assessment of AZ31B magnesium alloy based on steady ratcheting effect. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 723, 212-220.	5.6	292
2	Microstructure and corrosion properties of FeCoNiCrMn high entropy alloy coatings prepared by high speed laser cladding and ultrasonic surface mechanical rolling treatment. <i>Materials Letters</i> , 2020, 259, 126769.	2.6	69
3	Understanding the spark plasma sintering from the view of materials joining. <i>Scripta Materialia</i> , 2016, 123, 118-121.	5.2	49
4	Incredible improvement in fatigue resistance of friction stir welded 7075-T651 aluminum alloy via surface mechanical rolling treatment. <i>International Journal of Fatigue</i> , 2019, 124, 15-25.	5.7	35
5	Microstructural characterization of laser micro-welded Nitinol wires. <i>Materials Characterization</i> , 2018, 135, 40-45.	4.4	21
6	Improvement in tensile strength of Mg/Al alloy dissimilar friction stir welding joints by reducing intermetallic compounds. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157942.	5.5	21
7	A Low-Temperature Solution-Processed CuSCN/Polymer Hole Transporting Layer Enables High Efficiency for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46373-46380.	8.0	19
8	Interface formation of TiNi/Al composites fabricated by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2017, 726, 507-513.	5.5	14
9	Interfacial characteristics and fracture behavior of spark-plasma-sintered TiNi fiber-reinforced 2024Al matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 691, 141-149.	5.6	11
10	Ratcheting Strain and Microstructure Evolution of AZ31B Magnesium Alloy under a Tensile-Tensile Cyclic Loading. <i>Materials</i> , 2018, 11, 513.	2.9	10
11	Cyclic deformation and fatigue behavior of 7075-T651 Al alloy with a gradient structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 822, 141669.	5.6	9
12	Microstructure and shape memory effect of laser welded Nitinol wires. <i>Materials Letters</i> , 2019, 238, 1-5.	2.6	8
13	Microstructure and Mechanical Properties of AZ31B Magnesium Alloy via Ultrasonic Surface Rolling Process. <i>Advanced Engineering Materials</i> , 2021, 23, 2100076.	3.5	8
14	Dramatically enhanced impact toughness in welded ultra-ferritic stainless steel by additional nitrogen gas in Ar-based shielding gas. <i>Journal of Materials Research</i> , 2016, 31, 3610-3618.	2.6	7
15	Microstructure and Corrosion Resistance of Laser-Welded Crossed Nitinol Wires. <i>Materials</i> , 2018, 11, 842.	2.9	7
16	Effects of surface gradient nanostructuring on the fatigue behavior of the friction stir welded AlZnMgCu alloy. <i>Materials Letters</i> , 2019, 252, 329-332.	2.6	6
17	One-step synthesis of ultra-high aspect ratio silver nanowires for high-performance flexible transparent conductive films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15622-15632.	2.2	6
18	An experimental study of nitrogen gas influence on the 443 ferritic stainless steel joints by double-shielded welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 3315-3323.	3.0	5

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19	Competitive relationship during fatigue-crack initiation of friction-stir-welded Al alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 809, 141006.	5.6	5
20	Rapid evaluation of fatigue limit in AZ31B magnesium alloy using acoustic emission. <i>Materials Science and Technology</i> , 2018, 34, 1480-1488.	1.6	2
21	Rapid nanowelding of silver nanowires by focused-light-scanning for high-performance flexible transparent electrodes. <i>Nanotechnology</i> , 2021, 32, 505208.	2.6	2
22	Mechanical and tribological characterisation of AlCoCuFeNi HEA reinforced magnesium composites prepared via spark plasma sintering. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2022, 236, 2074-2084.	1.1	1