

Hui Chen

List of Publications by Year in descending order

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38
papers

376
citations

840776

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38
times ranked

342
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Characteristics of microstructure and fatigue resistance of hybrid fiber laser-MIG welded Al-Mg alloy joints. Applied Surface Science, 2014, 298, 12-18. | 6.1 | 55 |
| 2 | Recent progress in intrinsic and stimulated room-temperature gas sensors enabled by low-dimensional materials. Journal of Materials Chemistry C, 2021, 9, 3026-3051. | 5.5 | 48 |
| 3 | Erosion-Corrosion Property of CeO ₂ -Modified HVOF WC-Co Coating. Journal of Thermal Spray Technology, 2016, 25, 815-822. | 3.1 | 25 |
| 4 | Research on the Friction and Wear Behavior at Elevated Temperature of Plasma-Sprayed Nanostructured WC-Co Coatings. Journal of Materials Engineering and Performance, 2010, 19, 1-6. | 2.5 | 24 |
| 5 | A characterization of microstructure and mechanical properties of A6N01S-T5 aluminum alloy hybrid fiber laser-MIG welded joint. International Journal of Advanced Manufacturing Technology, 2016, 86, 1375-1384. | 3.0 | 23 |
| 6 | Effect of process parameters on tensile strength in plasma-MIG hybrid welding for 2219 aluminum alloy. International Journal of Advanced Manufacturing Technology, 2016, 84, 2413-2421. | 3.0 | 20 |
| 7 | Porosity formation and its effect on the properties of hybrid laser welded Al alloy joints. International Journal of Advanced Manufacturing Technology, 2019, 104, 2645-2656. | 3.0 | 20 |
| 8 | Analysis of the Microstructure and Thermal Shock Resistance of Laser Glazed Nanostructured Zirconia TBCs. Journal of Thermal Spray Technology, 2010, 19, 558-565. | 3.1 | 17 |
| 9 | Effects of Rare Earth Elements on the Microstructure and Mechanical Properties of HVOF-Sprayed WC-Co Coatings. Journal of Thermal Spray Technology, 2014, 23, 1225-1231. | 3.1 | 15 |
| 10 | Experimental study on the process of adiabatic shear fracture in isolated segment formation in high-speed machining of hardened steel. International Journal of Advanced Manufacturing Technology, 2016, 86, 671-679. | 3.0 | 13 |
| 11 | Influence of Rare Earth on the High-Temperature Sliding Wear Behavior of WC-12Co Coating Prepared by HVOF Spraying. Journal of Thermal Spray Technology, 2018, 27, 1143-1152. | 3.1 | 11 |
| 12 | Corrosion-fatigue crack propagation of aluminum alloys for high-speed trains. International Journal of Modern Physics B, 2017, 31, 1744009. | 2.0 | 9 |
| 13 | Residual Stress and Fatigue Strength of Hybrid Laser-MIG-Welded A7N01P-T4. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 591-601. | 2.1 | 9 |
| 14 | High-temperature oxidation behavior of HVOF-sprayed rare earth-modified WC-12Co coating. Rare Metals, 2022, 41, 3895-3902. | 7.1 | 9 |
| 15 | Residual Stress Measurement and Calibration for A7N01 Aluminum Alloy Welded Joints by Using Longitudinal Critically Refracted (LCR) Wave Transmission Method. Journal of Materials Engineering and Performance, 2016, 25, 4181-4189. | 2.5 | 8 |
| 16 | Effects of chemical composition on the corrosion behavior of A7N01S-T5 Al alloys. International Journal of Modern Physics B, 2015, 29, 1540025. | 2.0 | 7 |
| 17 | Corrosion behavior of thermal-sprayed WC cermet coatings in SO ₄ ²⁻ environment. Rare Metals, 2014, 33, 318-323. | 7.1 | 6 |
| 18 | Intergranular Corrosion Resistance and Microstructure of Laser-Metal Active Gas Hybrid Welded Type 301L-MT Stainless Steel Joint. Corrosion, 2017, 73, 1202-1212. | 1.1 | 6 |

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|----|---|-----|-----------|
| 19 | GROWTH BEHAVIOR OF INTERMETALLIC LAYER ON STAINLESS STEEL IN ALUMINUM HOT-DIPPING PROCESS. Surface Review and Letters, 2017, 24, 1750046. | 1.1 | 6 |
| 20 | Electrochemical Corrosion Behavior of TiAlN/CrN Nanoscale Multilayer Coatings by Multi-Arc Ion Plating in 3.5% NaCl Solution. Corrosion, 2020, 76, 628-638. | 1.1 | 6 |
| 21 | Effect of SiC Deposition Behavior on Microstructure and Mechanical Properties of Cold-Sprayed Al5056/SiC Composite Coatings. Journal of Thermal Spray Technology, 2021, 30, 1262-1273. | 3.1 | 6 |
| 22 | Characterization of Micro-arc Oxidation Coatings on 6N01 Aluminum Alloy Under Different Electrolyte Temperature Control Modes. Journal of Materials Engineering and Performance, 2018, 27, 1890-1897. | 2.5 | 5 |
| 23 | Laser decontamination microscopic process study on radioactive contaminations with Cs+ ion of 304 stainless steel surface. Applied Radiation and Isotopes, 2022, 182, 110112. | 1.5 | 5 |
| 24 | Effect of Vacuum Hot Pressing on Plasma-Sprayed Molybdenum Coatings on Rail Vehicle Axle Steel. Journal of Thermal Spray Technology, 2019, 28, 893-903. | 3.1 | 4 |
| 25 | Study on Fatigue Crack Propagation Behavior in Corrosion Environment of a Cold-Rolled Austenitic Stainless Steel. Corrosion, 2017, 73, 961-969. | 1.1 | 3 |
| 26 | Characteristics of Ni-Cr-Fe laser clad layers on EA4T steel. International Journal of Modern Physics B, 2017, 31, 1744031. | 2.0 | 3 |
| 27 | Fatigue properties and fracture behavior of Al/steel butt joints fabricated by laser-MIG welding-brazing. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2187-2199. | 3.4 | 3 |
| 28 | Effect of stress concentration on the fatigue strength of A7N01S-T5 welded joints. International Journal of Modern Physics B, 2017, 31, 1744047. | 2.0 | 2 |
| 29 | Investigation of porosity in rotating laser-MIG hybrid welding A6N01 aluminum alloy. International Journal of Modern Physics B, 2019, 33, 1940029. | 2.0 | 2 |
| 30 | Study on SLM Forming Process, Residual Stress and Thermal Fatigue of 24CrNiMo Alloy Steel. Materials, 2021, 14, 4383. | 2.9 | 2 |
| 31 | Microstructure evolution and mechanical properties of 5083 aluminum-Alloy joints by ultrasonic soldering. International Journal of Modern Physics B, 2017, 31, 1744040. | 2.0 | 1 |
| 32 | x-The Effect of Microstructure on the Corrosion Fatigue Property of A7N01P-T4 Aluminum Alloy Welding Joints. Corrosion, 2018, 74, 1229-1236. | 1.1 | 1 |
| 33 | Effect of charging hydrogen on the tensile properties of A7N01 aluminum alloy friction stir welded joints. International Journal of Modern Physics B, 2019, 33, 1940043. | 2.0 | 1 |
| 34 | Effect of Deposition Strategy on Fatigue Behavior of Laser Melting Deposition 12CrNi2 Alloy Steel. , 2019, , . | | 1 |
| 35 | Corrosion behavior of rare earth modified WC-12Co coating. International Journal of Modern Physics B, 2015, 29, 1540029. | 2.0 | 0 |
| 36 | Elements loss analysis based on spectral diagnosis in laser-arc hybrid welding of aluminum alloy. International Journal of Modern Physics B, 2017, 31, 1744036. | 2.0 | 0 |

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|----|--|-----|-----------|
| 37 | Hydrogen embrittlement of the 7B05â€“T5 aluminum alloy for highâ€“speed trains. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 70-76. | 1.5 | 0 |
| 38 | Shear strength and cracking behavior of Cr coatings on zirconium alloy fuel claddings at different strain rates. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150194. | 2.0 | 0 |