Chonggui Li

List of Publications by Year
in descending order

20	425	759233 12	752698 20
papers	citations	h-index	g-index

21	21	21	328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-situ TiC reinforced CoCrCuFeNiSi0.2 high-entropy alloy coatings designed for enhanced wear performance by laser cladding. Materials Chemistry and Physics, 2020, 242, 122522.	4.0	73
2	Modeling of thermal behavior and microstructure evolution during laser cladding of AlSi10Mg alloys. Optics and Laser Technology, 2020, 123, 105926.	4.6	50
3	Laser remelting of plasma-sprayed conventional and nanostructured Al2O3â€“13wt.%TiO2 coatings on titanium alloy. Journal of Alloys and Compounds, 2010, 506, 356-363.	5.5	44
4	Effect of Si content on the microstructure and properties of Alâ€“Si alloys fabricated using hot extrusion. Journal of Materials Research, 2017, 32, 2210-2217.	2.6	39
5	Effect of Al2O3 Nanoparticles as Reinforcement on the Tensile Behavior of Al-12Si Composites. Metals, 2017, 7, 359.	2.3	39
6	Numerical Simulation of Thermal Evolution and Solidification Behavior of Laser Cladding AlSiTiNi Composite Coatings. Coatings, 2019, 9, 391.	2.6	22
7	Effects of laser processing parameters on microstructure and mechanical properties of additively manufactured AlSi10Mg alloys reinforced by TiC. International Journal of Advanced Manufacturing Technology, 2019, 103, 3235-3246.	3.0	21
8	Modeling of temperature distribution and clad geometry of the molten pool during laser cladding of TiAlSi alloys. Optics and Laser Technology, 2021, 142, 107277.	4.6	21
9	Effect of WC addition on microstructure and tribological properties of bimodal aluminum composite coatings fabricated by laser surface alloying. Materials Chemistry and Physics, 2019, 234, 9-15.	4.0	20
10	Microstructure and tribological behavior of laser cladding TiAlSi composite coatings reinforced by aluminaâ€“titania ceramics on Tiâ€“6Alâ€“4V alloys. Materials Chemistry and Physics, 2020, 240, 122271.	4.0	18
11	Microstructure and properties of laser-cladded bimodal composite coatings derived by composition design. Journal of Alloys and Compounds, 2018, 745, 483-489.	5.5	16
12	Microstructural evolution and wear behaviors of NbC-reinforced Ti-based composite coating. International Journal of Advanced Manufacturing Technology, 2020, 107, 2397-2407.	3.0	15
13	Effect of Vibration Frequency on Microstructure and Properties of Laser-Welded Inconel 718 Nickel-Base Superalloy. Journal of Materials Engineering and Performance, 2021, 30, 2399-2407.	2.5	11
14	Effect of high-frequency micro-vibration on microstructure and properties of laser cladding aluminum coatings. International Journal of Advanced Manufacturing Technology, 2019, 103, 1633-1642.	3.0	8
15	The mechanical hybrid of V2O5 microspheres/graphene as an excellent cathode for lithium-ion batteries. Journal of Solid State Electrochemistry, 2022, 26, 729-738.	2.5	8
16	Al2O3/TiO2-Ni-WC Composite Coatings Designed for Enhanced Wear Performance by Laser Cladding Under High-Frequency Micro-Vibration. Jom, 2020, 72, 4060-4068.	1.9	5
17	Microstructures and Wear Resistance of Diamond-Reinforced FeCoCrNiAl0.5Ti0.5Si0.2-Carbonized High-Entropy Alloy Coatings by Laser Cladding. Transactions of the Indian Institute of Metals, 2022, 75, 1967-1978.	1.5	5
18	Microstructure and tribological properties of laser cladded TiAlSi composite coatings reinforced by yttria-stabilized zirconia. Materials Research Express, 2019, 6, 116410.	1.6	4

#	Article	IF	Citations
19	Research on Microstructure and Fatigue Properties of Vibration-Assisted 5052 Aluminum Alloy Laser Welded Joints. Journal of Materials Engineering and Performance, 2020, 29, 4197-4205.	2.5	3
20	A Study on the Microstructure and Fatigue Properties of Welding Joints in Vibrationâ€Assisted Laser Welding Process. Steel Research International, 2020, 91, 1900548.	1.8	2