

Tao Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microstructure and Mechanical Properties of TiC/TiB Composite Ceramic Coatings In-Situ Synthesized by Ultrasonic Vibration-Assisted Laser Cladding. <i>Coatings</i> , 2022, 12, 99.	2.6	9
2	Numerical simulation on evolution process of molten pool and solidification characteristics of melt track in selective laser melting of ceramic powder. <i>Ceramics International</i> , 2022, 48, 18302-18315.	4.8	11
3	Preparation of a hydroxyapatite-silver gradient bioactive ceramic coating with porous structure by laser cladding: A study of in vitro bioactivity. <i>Ceramics International</i> , 2022, 48, 30468-30481.	4.8	8
4	Effects of heat treatment on microstructure and mechanical properties of TiC/TiB composite bioinert ceramic coatings in-situ synthesized by laser cladding on Ti6Al4V. <i>Ceramics International</i> , 2021, 47, 755-768.	4.8	46
5	Bioinert TiC ceramic coating prepared by laser cladding: Microstructures, wear resistance, and cytocompatibility of the coating. <i>Surface and Coatings Technology</i> , 2021, 423, 127635.	4.8	25
6	Process Parameter Optimization When Preparing Ti(C, N) Ceramic Coatings Using Laser Cladding Based on a Neural Network and Quantum-Behaved Particle Swarm Optimization Algorithm. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6331.	2.5	8
7	Path Planning for Laser Cladding Robot on Artificial Joint Surface Based on Topology Reconstruction. <i>Algorithms</i> , 2020, 13, 93.	2.1	11
8	Laser cladding of nanoparticle TiC ceramic powder: Effects of process parameters on the quality characteristics of the coatings and its prediction model. <i>Optics and Laser Technology</i> , 2019, 116, 345-355.	4.6	75
9	Laser Cladding of Ti-Based Ceramic Coatings on Ti6Al4V Alloy: Effects of CeO ₂ Nanoparticles Additive on Wear Performance. <i>Coatings</i> , 2019, 9, 109.	2.6	33
10	Effect of CeO ₂ on Microstructure and Wear Resistance of TiC Bioinert Coatings on Ti6Al4V Alloy by Laser Cladding. <i>Materials</i> , 2018, 11, 58.	2.9	33
11	Laser Cladding In-Situ Ti(C,N) Particles Reinforced Ni-Based Composite Coatings Modified with CeO ₂ Nanoparticles. <i>Metals</i> , 2018, 8, 601.	2.3	25
12	Material removal model of ultrasonic elliptical vibration-assisted chemical mechanical polishing for hard and brittle materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 81-99.	3.0	34
13	Effect of Mo on Microstructures and Wear Properties of In Situ Synthesized Ti(C,N)/Ni-Based Composite Coatings by Laser Cladding. <i>Materials</i> , 2017, 10, 1047.	2.9	27
14	Combined Ultrasonic Elliptical Vibration and Chemical Mechanical Polishing of Monocrystalline Silicon. <i>MATEC Web of Conferences</i> , 2016, 82, 02001.	0.2	2
15	Growth pattern and morphology of micro nickel column by localized electrochemical deposition. , 2016, , .		1
16	Effect of voltage and gap on the morphology of the Ni micro-column by localized electrochemical deposition. , 2016, , .		0