

# Qunli Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

371  
citations

933447

10  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the element segregation and Laves phase formation in the laser metal deposited IN718 superalloy by flat top laser and gaussian distribution laser. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 339-347.	5.6	104
2	Influence of electric-magnetic compound field on the WC particles distribution in laser melt injection. <i>Surface and Coatings Technology</i> , 2017, 315, 32-43.	4.8	46
3	Microstructure and wear resistance of laser clad composite coatings prepared from pre-alloyed WC-NiCrMo powder with different laser spots. <i>Optics and Laser Technology</i> , 2018, 101, 520-530.	4.6	40
4	Wear and corrosion performance of laser-clad low-carbon high-molybdenum Stellite alloys. <i>Optics and Laser Technology</i> , 2018, 107, 32-45.	4.6	40
5	Microstructures and cyclic hot corrosion behavior of laser deposited Inconel 718 alloy under different heat treatment conditions. <i>Optics and Laser Technology</i> , 2021, 135, 106659.	4.6	24
6	Influence of microstructure of TC4 substrate on the MAO coating. <i>Surface Engineering</i> , 2020, 36, 827-836.	2.2	19
7	Experimental and statistical analyses of geometry characteristics of Inconel 718 laser clad layer with response surface methodology. <i>Journal of Laser Applications</i> , 2019, 31, .	1.7	18
8	Hot Corrosion and Mechanical Performance of Repaired Inconel 718 Components via Laser Additive Manufacturing. <i>Materials</i> , 2020, 13, 2128.	2.9	14
9	Development of Multichannel Gas-powder Feeding System Coaxial with Laser Beam. <i>Procedia CIRP</i> , 2016, 42, 96-100.	1.9	13
10	Effect of laser surface melting pretreatment on the growth behavior and mechanical properties of microarc oxidation coating on Ti6Al4V alloy. <i>Journal of Laser Applications</i> , 2020, 32, .	1.7	13
11	The microstructure and cavitation erosion resistance of Ti6Al4V alloy treated by laser gas nitriding with scanning galvanometer. <i>Optics and Laser Technology</i> , 2022, 153, 108270.	4.6	11
12	Effects of three-dimensional vibration on laser cladding of SS316L alloy. <i>Journal of Laser Applications</i> , 2019, 31, 032013.	1.7	8
13	Thermal shock resistance of thermal barrier coatings modified by selective laser remelting and alloying techniques. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6345-6358.	3.8	8
14	Study of nanometer Al <sub>2</sub> O <sub>3</sub> composite electroless deposit strengthened by different laser power. <i>Materials &amp; Design</i> , 2010, 31, 1695-1699.	5.1	6
15	Application of Regression Designs for Simulation of Laser Cladding. <i>Physics Procedia</i> , 2012, 39, 921-927.	1.2	4
16	Microstructure and Tensile Property of Laser Cladding Assisted with Multidimensional High-Frequency Vibration. <i>Materials</i> , 2022, 15, 4295.	2.9	3
17	Laser Cladding of Metal-Ceramic Composites. <i>Advanced Topics in Science and Technology in China</i> , 2022, , 59-81.	0.1	0
18	Laser-Processed Coatings Involving Nanoparticles. <i>Advanced Topics in Science and Technology in China</i> , 2022, , 103-142.	0.1	0