

# Guangxi Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7412800/publications.pdf>

Version: 2024-02-01

18  
papers

109  
citations

1478505

6  
h-index

1372567

10  
g-index

18  
all docs

18  
docs citations

18  
times ranked

106  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Prediction models for specific energy consumption of machine tools and surface roughness based on cutting parameters and tool wear. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1225-1234. | 2.4 | 18        |
| 2  | Numerical analysis of arc driving forces and temperature distribution in pulsed TIG welding. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.  | 1.6 | 14        |
| 3  | A novel high-efficiency methodology for metal additive manufacturing. Applied Physics A: Materials Science and Processing, 2016, 122, 1.  | 2.3 | 13        |
| 4  | Effect of Processing Parameters on Plasma Jet and In-flight Particles Characters in Supersonic Plasma Spraying. High Temperature Materials and Processes, 2016, 35, 775-786.  | 1.4 | 10        |
| 5  | Theoretical and Experimental Research on Multi-Layer Vessel-like Structure Printing Based on 3D Bio-Printing Technology. Micromachines, 2021, 12, 1517.   | 2.9 | 8         |
| 6  | Research on interlayer remelting process of multi-layer forming by metal fused-coating additive manufacturing. Journal of Mechanical Science and Technology, 2019, 33, 759-764.   | 1.5 | 7         |
| 7  | Morphology Analysis of a Multilayer Single Pass via Novel Metal Thin-Wall Coating Forming. Metals, 2016, 6, 313.  | 2.3 | 6         |
| 8  | Flow characteristic of in-flight particles in supersonic plasma spraying process. Heat and Mass Transfer, 2016, 52, 1739-1753.  | 2.1 | 6         |
| 9  | Mechanical properties of Sn63Pb37 components by fused coating technology. Additive Manufacturing, 2018, 22, 388-393.  | 3.0 | 6         |
| 10 | Additive Manufacturing of Sn63Pb37 Component by Micro-coating. Procedia Engineering, 2016, 157, 193-199.  | 1.2 | 5         |
| 11 | Numerical and experimental investigation of molten metal droplet deposition applied to rapid prototyping. Applied Physics A: Materials Science and Processing, 2016, 122, 1.  | 2.3 | 5         |
| 12 | Research on the manufacturing of electrical power fittings based on metal droplet deposition. Applied Physics A: Materials Science and Processing, 2017, 123, 1.  | 2.3 | 3         |
| 13 | Experimental analysis of component morphology by fused coating process. Journal of Mechanical Science and Technology, 2018, 32, 2773-2779.  | 1.5 | 3         |
| 14 | Simulation Analysis of the Influence of Nozzle Structure Parameters on Material Controllability. Micromachines, 2020, 11, 826.  | 2.9 | 2         |
| 15 | Building of nested components by a double-nozzle droplet deposition process. Applied Physics A: Materials Science and Processing, 2016, 122, 1.   | 2.3 | 1         |
| 16 | Optimal Design of Nozzle for Supersonic Atmosphere Plasma Spraying. High Temperature Materials and Processes, 2016, 35, 685-696.  | 1.4 | 1         |
| 17 | Numerical analysis of aluminum alloy fused coating process. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.   | 1.6 | 1         |
| 18 | Coupling analysis of molten pool during fused coating process with arc preheating. Journal of Physics: Conference Series, 2018, 1063, 012076.   | 0.4 | 0         |