

# Guang-yi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4540840/publications.pdf>

Version: 2024-02-01

20  
papers

486  
citations

623574

14  
h-index

752573

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

374  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Comparative study of microstructure evaluation and mechanical properties of 4043 aluminum alloy fabricated by wire-based additive manufacturing. <i>Materials and Design</i> , 2020, 186, 108205.   | 3.3 | 78        |
| 2  | Ultrasonic vibration assisted laser welding of nickel-based alloy and Austenite stainless steel. <i>Journal of Manufacturing Processes</i> , 2018, 31, 759-767.   | 2.8 | 76        |
| 3  | Dilution characteristics of ultrasonic assisted laser clad yttria-stabilized zirconia coating. <i>Materials Letters</i> , 2015, 141, 207-209.   | 1.3 | 56        |
| 4  | Comparison of carbon-based reinforcement on laser aided additive manufacturing Inconel 625 composites. <i>Applied Surface Science</i> , 2019, 490, 522-534.   | 3.1 | 35        |
| 5  | Microstructure and mechanical properties of titanium alloy / zirconia functionally graded materials prepared by laser additive manufacturing. <i>Journal of Manufacturing Processes</i> , 2020, 56, 616-622.  | 2.8 | 34        |
| 6  | Effect of post-deposition heat treatment on laser-TIG hybrid additive manufactured Al-Cu alloy. <i>Virtual and Physical Prototyping</i> , 2020, 15, 445-459.  | 5.3 | 25        |
| 7  | Investigations of the microstructure and performance of TiCp/Ti6Al4V composites prepared by directed laser deposition. <i>International Journal of Mechanical Sciences</i> , 2021, 205, 106595.   | 3.6 | 25        |
| 8  | Effect of doping SiC particles on cracks and pores of Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> eutectic ceramics fabricated by directed laser deposition. <i>Journal of Materials Science</i> , 2019, 54, 9321-9330.                          | 1.7 | 21        |
| 9  | Characterization of wear properties of the functionally graded material deposited on cast iron by laser-aided additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 4097-4105.                       | 1.5 | 20        |
| 10 | Directed laser deposition of Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> melt-grown composite ceramics with multiple composition ratios. <i>Journal of Materials Science</i> , 2020, 55, 6794-6809.  | 1.7 | 20        |
| 11 | Microstructure and mechanical properties of aluminum alloy prepared by laser-arc hybrid additive manufacturing. <i>Journal of Laser Applications</i> , 2020, 32, .  | 0.8 | 20        |
| 12 | Al-Cu alloy fabricated by novel laser-tungsten inert gas hybrid additive manufacturing. <i>Additive Manufacturing</i> , 2020, 32, 100954.   | 1.7 | 15        |
| 13 | High-mass-proportion TiCp/Ti6Al4V titanium matrix composites prepared by directed energy deposition. <i>Additive Manufacturing</i> , 2020, 35, 101323.  | 1.7 | 15        |
| 14 | Effect and mechanism of ZrO <sub>2</sub> doping on the cracking behavior of melt-grown Al <sub>2</sub> O <sub>3</sub> ceramics prepared by directed laser deposition. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 227-238. | 1.1 | 14        |
| 15 | Transformation mechanism of secondary phase and its effect on intergranular corrosion in laser wire filling welding Ni-based alloy/304 stainless steel. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 715-725.                | 1.7 | 9         |
| 16 | Process optimization of melt growth alumina/aluminum titanate composites directed energy deposition: Effects of scanning speed. <i>Additive Manufacturing</i> , 2020, 35, 101210.   | 1.7 | 8         |
| 17 | Adjust dilution level to suppress the precipitated phase by dilution level model of dissimilar metal laser welding with filler wire. <i>Optics and Laser Technology</i> , 2020, 125, 106025.  | 2.2 | 5         |
| 18 | Effect of low-temperature cooling on corrosion properties of laser welding Hastelloy C-276/304 stainless steel with filler wire. <i>Optics and Laser Technology</i> , 2022, 148, 107755.  | 2.2 | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Effect of graphite addition on mechanical properties of Al <sub>2</sub> O <sub>3</sub> ceramics by directed laser deposition. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, , 095440542094480. | 1.5 | 4         |
| 20 | Effect of weaving frequency on pulsed laser weaving welding of thin 5052 aluminum alloy sheet. International Journal of Advanced Manufacturing Technology, 2022, 119, 4541-4558.   | 1.5 | 1         |