

# Bei He

## List of Publications by Year in descending order

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13  
papers

327  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

255  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Study of icosahedral quasi-crystalline phase T2-Al6CuLi3 and transformation in 2A97 Al-Li alloy fabricated by laser additive manufacturing. <i>Materials Letters</i> , 2022, 316, 132014.   | 2.6 | 5         |
| 2  | Investigation on ideal mechanical performance of laser direct energy deposited Ti-6Al-2Zr-1Mo-1V alloy without sub- $\hat{I}^2$ transus thermal cycles. <i>Vacuum</i> , 2022, 203, 111303.  | 3.5 | 4         |
| 3  | Laser surface alloying with carbon on 15-5PH steel for improved wear resistance. <i>Surface Engineering</i> , 2021, 37, 669-677.  | 2.2 | 8         |
| 4  | Effect of aging on microstructure and wear resistance of Ti-55511/BN composite coating. <i>Surface Engineering</i> , 2021, 37, 712-721.   | 2.2 | 1         |
| 5  | A Review on Additive Manufacturing of Titanium Alloys for Aerospace Applications: Directed Energy Deposition and Beyond Ti-6Al-4V. <i>Jom</i> , 2021, 73, 1804-1818.  | 1.9 | 106       |
| 6  | Microstructure evolution and microhardness of the novel Al-Cu-Li-xSc alloys fabricated by laser rapid melting. <i>Vacuum</i> , 2021, 189, 110235.   | 3.5 | 10        |
| 7  | Effect of thermal cycling on microstructure and mechanical properties of 2A97 Al-Li alloy fabricated by direct laser deposition. <i>Vacuum</i> , 2021, 190, 110299.   | 3.5 | 18        |
| 8  | Characterization of Microstructures Formed during Nonequilibrium Thermal Cycles in a TiAl Alloy Fabricated by Direct Metal Deposition. <i>Advanced Engineering Materials</i> , 2020, 22, 1901444.   | 3.5 | 3         |
| 9  | Effect of laser surface remelting and low temperature aging treatments on microstructures and surface properties of Ti-55511 alloy. <i>Surface and Coatings Technology</i> , 2017, 316, 104-112.  | 4.8 | 18        |
| 10 | Effect of weld repair on microstructure and mechanical properties of laser additive manufactured Ti-55511 alloy. <i>Materials and Design</i> , 2017, 119, 437-445.  | 7.0 | 37        |
| 11 | Brittle fracture behavior of a laser additive manufactured near- $\hat{I}^2$ titanium alloy after low temperature aging. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 699, 229-238.          | 5.6 | 50        |
| 12 | $\beta$ -assisted $\hat{I}^2$ phase and hardness of Ti-5Al-5Mo-5V-1Cr-1Fe during low temperature isothermal heat treatment after laser surface remelting. <i>Journal of Alloys and Compounds</i> , 2017, 708, 1054-1062.  | 5.5 | 14        |
| 13 | Microstructure and properties of a novel titanium alloy Ti-6Al-2V-1.5Mo-0.5Zr-0.3Si manufactured by laser additive manufacturing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 233-238. | 5.6 | 53        |