

Alexis Burr

List of Publications by Year in descending order

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8
papers

251
citations

1163117
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318
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | Effect of build orientation on the fatigue properties of as-built Electron Beam Melted Ti-6Al-4V alloy. <i>International Journal of Fatigue</i> , 2019, 118, 65-76. | 5.7 | 94 |
| 2 | Fatigue performances of chemically etched thin struts built by selective electron beam melting: Experiments and predictions. <i>Materialia</i> , 2020, 9, 100589. | 2.7 | 41 |
| 3 | Thermal Conductivity of Snow, Firn, and Porous Ice From 3D Image-Based Computations. <i>Geophysical Research Letters</i> , 2019, 46, 13079-13089. | 4.0 | 36 |
| 4 | A numerical framework to predict the fatigue life of lattice structures built by additive manufacturing. <i>International Journal of Fatigue</i> , 2020, 139, 105769. | 5.7 | 24 |
| 5 | Effect of ultrasonic shot peening on the surface defects of thin struts built by electron beam melting: Consequences on fatigue resistance. <i>Additive Manufacturing</i> , 2019, 28, 821-830. | 3.0 | 20 |
| 6 | Pore morphology of polar firn around closure revealed by X-ray tomography. <i>Cryosphere</i> , 2018, 12, 2481-2500. | 3.9 | 16 |
| 7 | In situ X-ray tomography densification of firn: The role of mechanics and diffusion processes. <i>Acta Materialia</i> , 2019, 167, 210-220. | 7.9 | 12 |
| 8 | The anisotropic contact response of viscoplastic monocrystalline ice particles. <i>Acta Materialia</i> , 2017, 132, 576-585. | 7.9 | 8 |