

# Lewis Newton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6683910/publications.pdf>

Version: 2024-02-01

7  
papers

228  
citations

1478505

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1720034

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7  
docs citations

7  
times ranked

277  
citing authors

| # | ARTICLE   | IF  | CITATIONS |
|---|---|-----|-----------|
| 1 | Improved fatigue strength of additively manufactured Ti6Al4V by surface post processing. International Journal of Fatigue, 2020, 134, 105497.   | 5.7 | 127       |
| 2 | Areal topography measurement of metal additive surfaces using focus variation microscopy. Additive Manufacturing, 2019, 25, 365-389.  | 3.0 | 53        |
| 3 | Comparison and validation of surface topography segmentation methods for feature-based characterisation of metal powder bed fusion surfaces. Surface Topography: Metrology and Properties, 2019, 7, 045020. | 1.6 | 14        |
| 4 | Increasing throughput in x-ray computed tomography measurement of surface topography using sinogram interpolation. Measurement Science and Technology, 2019, 30, 125002.                                    | 2.6 | 10        |
| 5 | Feature-based characterisation of Ti6Al4V electron beam powder bed fusion surfaces fabricated at different surface orientations. Additive Manufacturing, 2020, 35, 101273.                                  | 3.0 | 10        |
| 6 | Generation and categorisation of surface texture data using a modified progressively growing adversarial network. Precision Engineering, 2022, 74, 1-11.  | 3.4 | 10        |
| 7 | Optical system for the measurement of the surface topography of additively manufactured parts. Measurement Science and Technology, 2022, 33, 104001.  | 2.6 | 4         |