

# Aaron E Tallman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2571742/publications.pdf>

Version: 2024-02-01

11  
papers

78  
citations

1684188  
5  
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1588992  
8  
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11  
all docs

11  
docs citations

11  
times ranked

76  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Data-driven analysis of neutron diffraction line profiles: application to plastically deformed Ta. Scientific Reports, 2022, 12, 5628.   | 3.3 | 0         |
| 2  | Surrogate Modeling of Viscoplasticity in Steels: Application to Thermal, Irradiation Creep and Transient Loading in HT-9 Cladding. Jom, 2021, 73, 126-137.   | 1.9 | 6         |
| 3  | A mechanistic model for creep lifetime of ferritic steels: Application to Grade 91. International Journal of Plasticity, 2021, 147, 103086.  | 8.8 | 11        |
| 4  | Virtual diffraction analysis of dislocations and dislocation networks in discrete dislocation dynamics simulations. Computational Materials Science, 2020, 174, 109473.  | 3.0 | 7         |
| 5  | Data-Driven Constitutive Model for the Inelastic Response of Metals: Application to 316H Steel. Integrating Materials and Manufacturing Innovation, 2020, 9, 339-357.  | 2.6 | 5         |
| 6  | Hierarchical multiscale model calibration and validation for materials applications. , 2020, , 449-471.  |     | 4         |
| 7  | Uncertainty propagation in reduced order models based on crystal plasticity. Computer Methods in Applied Mechanics and Engineering, 2020, 365, 113009.   | 6.6 | 13        |
| 8  | Hierarchical top-down bottom-up calibration with consideration for uncertainty and inter-scale discrepancy of Peierls stress of bcc Fe. Modelling and Simulation in Materials Science and Engineering, 2019, 27, 064004. | 2.0 | 4         |
| 9  | Gaussian-Process-Driven Adaptive Sampling for Reduced-Order Modeling of Texture Effects in Polycrystalline Alpha-Ti. Jom, 2019, 71, 2646-2656.   | 1.9 | 15        |
| 10 | RECONCILED TOP-DOWN AND BOTTOM-UP HIERARCHICAL MULTISCALE CALIBRATION OF BCC FE CRYSTAL PLASTICITY. International Journal for Multiscale Computational Engineering, 2017, 15, 505-523.                                   | 1.2 | 12        |
| 11 | Uncertainty Quantification of a High-Throughput Profilometry-Based Indentation Plasticity Test of Al 7075 T6 Alloy. Frontiers in Materials, 0, 9, .  | 2.4 | 1         |