

# Ian Chesser

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1225516/publications.pdf>

Version: 2024-02-01

9  
papers

89  
citations

1478505  
6  
h-index

1474206  
9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

49  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the anomalous thermal behavior of $\hat{1}\hat{1}\hat{3}$ grain boundaries in a variety of FCC metals. Scripta Materialia, 2018, 157, 19-23.	5.2	21
2	Contrasting thermal behaviors in $\hat{1}\hat{1}\hat{3}$ grain boundary motion in nickel. Acta Materialia, 2019, 175, 55-65.	7.9	20
3	A geodesic octonion metric for grain boundaries. Acta Materialia, 2019, 166, 135-147.	7.9	12
4	Optimal transportation of grain boundaries: A forward model for predicting migration mechanisms. Acta Materialia, 2021, 210, 116823.	7.9	8
5	Learning the grain boundary manifold: tools for visualizing and fitting grain boundary properties. Acta Materialia, 2020, 195, 209-218.	7.9	7
6	A continuum thermodynamic framework for grain boundary motion. Journal of the Mechanics and Physics of Solids, 2020, 137, 103827.	4.8	6
7	Survey of shear coupling behavior in FCC Ni and BCC Fe grain boundaries. Materialia, 2021, 15, 100945.	2.7	6
8	A taxonomy of grain boundary migration mechanisms via displacement texture characterization. Acta Materialia, 2022, 222, 117425.	7.9	6
9	Distinct driven steady states emerge from diverse initial textures in rolled nanocomposites. Acta Materialia, 2020, 183, 207-215.	7.9	3