

# Rachel Traylor

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2874504/publications.pdf>

Version: 2024-02-01

9  
papers

474  
citations

1478505

6  
h-index

1588992

8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of dramatic oxygen solute strengthening effect in titanium. <i>Science</i> , 2015, 347, 635-639.	12.6	255
2	Direct imaging of short-range order and its impact on deformation in Ti-6Al. <i>Science Advances</i> , 2019, 5, eaax2799.	10.3	86
3	In situ TEM observation of FCC Ti formation at elevated temperatures. <i>Scripta Materialia</i> , 2017, 140, 9-12.	5.2	77
4	Impurity and texture driven HCP-to-FCC transformations in Ti-X thin films during in situ TEM annealing and FIB milling. <i>Acta Materialia</i> , 2020, 184, 199-210.	7.9	31
5	Thermoelectric response from grain boundaries and lattice distortions in crystalline gold devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23350-23355.	7.1	10
6	High-Throughput Growth of Microscale Gold Bicrystals for Single-Grain Boundary Studies. <i>Advanced Materials</i> , 2019, 31, 1902189.	21.0	6
7	In Situ TEM tensile testing of bicrystals with tailored misorientation angles. <i>Acta Materialia</i> , 2022, 224, 117505.	7.9	6
8	Direct Observation of SRO effect of Ti-6Al Alloy Using Energy-filtered TEM and Scanning Nanobeam Electron Diffraction. <i>Microscopy and Microanalysis</i> , 2018, 24, 210-211.	0.4	3
9	Detection of Trace Impurity Gradients in Noble Metals by the Photothermoelectric Effect. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17509-17517.	3.1	0