

# Chao Deng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/111513/publications.pdf>

Version: 2024-02-01

15  
papers

120  
citations

1478505

6  
h-index

1281871

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

57  
citing authors

#	ARTICLE	IF	CITATIONS
1	Largely alleviating the orientation dependence by sequentially changing strain paths. <i>Materials and Design</i> , 2016, 97, 464-472.	7.0	36
2	Microstructure, texture, and fracture of pure magnesium adiabatic shear band under high strain rate compression. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 822, 141632.	5.6	17
3	Strain accommodation of <math>\epsilon</math>-normal direction-oriented grains in micro-shear bands of high-purity tantalum. <i>Journal of Materials Science</i> , 2018, 53, 12543-12552.	3.7	13
4	Inhomogeneous deformation and recrystallization behavior of through-thickness tantalum sheet under one-cycle clock-rolling. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 485-493.	4.4	11
5	Effects of Annealing Temperature on Recrystallization Texture and Microstructure Uniformity of High Purity Tantalum. <i>Metals</i> , 2019, 9, 75.	2.3	9
6	Orientation-dependent grain boundary characteristics in tantalum upon the change of strain path. <i>Materials Characterization</i> , 2019, 154, 277-284.	4.4	8
7	Through-thickness texture gradient of tantalum sputtering target. <i>Rare Metals</i> , 2017, 36, 523-526.	7.1	6
8	Crystallographic analysis of nucleation for random orientations in high-purity tantalum. <i>Journal of Materials Research</i> , 2018, 33, 1755-1763.	2.6	4
9	Quasi-In-Situ EBSD Observation of the Orientation Evolution in Polycrystalline Tantalum During Rolling Deformation. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 1015-1020.	2.9	4
10	Effect of strain rates on mechanical properties, microstructure and texture inside shear bands of pure magnesium. <i>Materials Characterization</i> , 2022, 184, 111686.	4.4	4
11	The Effect of Different Annealing Temperatures on Recrystallization Microstructure and Texture of Clock-Rolled Tantalum Plates with Strong Texture Gradient. <i>Metals</i> , 2019, 9, 358.	2.3	3
12	Microstructural evolution and ultrafine-grain formation during dynamic shear in pure tantalum. <i>Materials Characterization</i> , 2022, 186, 111820.	4.4	3
13	Revealing substructure in clock-rolled Ta aided with triple focused ion beam. <i>Rare Metals</i> , 2017, 36, 284-288.	7.1	2
14	135° Clock Rolling: An Approach to Improve the Microstructure and Texture of Tantalum Used for Sputtering Target. , 2016, , 549-557.		0
15	An Effective Method to Homogenize the Microstructure of High Purity Tantalum in Sputtering Targets. , 0, , 303-308.		0