

# Jialin Lei

## List of Publications by Year in descending order

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13  
papers

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docs citations

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544  
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#	ARTICLE	IF	CITATIONS
1	Performance of Carbide Alloy Compounds in Carbon Doped MoNbTaW. <i>Crystals</i> , 2021, 11, 1073.	1.0	0
2	Synthesis and High-Pressure Mechanical Properties of Superhard Rhenium/Tungsten Diboride Nanocrystals. <i>ACS Nano</i> , 2019, 13, 10036-10048.	7.3	12
3	Grain Rotation in Plastic Deformation. <i>Quantum Beam Science</i> , 2019, 3, 17.	0.6	10
4	Understanding the mechanism of hardness enhancement in tantalum-substituted tungsten monoboride solid solutions. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	9
5	Radial X-ray Diffraction Study of Superhard Early Transition Metal Dodecaborides under High Pressure. <i>Advanced Functional Materials</i> , 2019, 29, 1900293.	7.8	12
6	Understanding How Bonding Controls Strength Anisotropy in Hard Materials by Comparing the High-Pressure Behavior of Orthorhombic and Tetragonal Tungsten Monoboride. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5647-5656.	1.5	10
7	Unexpected pressure induced ductileness tuning in sulfur doped polycrystalline nickel metal. <i>AIP Advances</i> , 2018, 8, 025216.	0.6	0
8	Reversal in the Size Dependence of Grain Rotation. <i>Physical Review Letters</i> , 2017, 118, 096101.	2.9	26
9	Superhard Monoborides: Hardness Enhancement through Alloying in $W_{1-x}Ta_xB$ . <i>Advanced Materials</i> , 2016, 28, 6993-6998.	11.1	75
10	Superhard Rhenium/Tungsten Diboride Solid Solutions. <i>Journal of the American Chemical Society</i> , 2016, 138, 14398-14408.	6.6	48
11	Detecting grain rotation at the nanoscale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3350-3353.	3.3	54
12	Structural and mechanical stability of dilute yttrium doped chromium. <i>Applied Physics Letters</i> , 2013, 102, 021901.	1.5	4
13	Texture of Nanocrystalline Nickel: Probing the Lower Size Limit of Dislocation Activity. <i>Science</i> , 2012, 338, 1448-1451.	6.0	101