

# Liang Tian

## List of Publications by Year in descending order

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21  
papers

553  
citations

516561

16  
h-index

713332

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the electrical resistivity of deformation processed metal-metal composites. <i>Acta Materialia</i> , 2014, 77, 151-161.	3.8	113
2	Self-lubricate and anisotropic wear behavior of AZ91D magnesium alloy reinforced with ternary Ti <sub>2</sub> AlC MAX phases. <i>Journal of Materials Science and Technology</i> , 2019, 35, 275-284.	5.6	47
3	High temperature damping behavior and dynamic Young's modulus of magnesium matrix composite reinforced by Ti <sub>2</sub> AlC MAX phase particles. <i>Mechanics of Materials</i> , 2019, 129, 246-253.	1.7	37
4	Limited hydrolysis and conjugation of zein with chitosan oligosaccharide by enzymatic reaction to improve functional properties. <i>Food Chemistry</i> , 2021, 348, 129035.	4.2	36
5	A deformation-processed Al-matrix/Ca-nanofilamentary composite with low density, high strength, and high conductivity. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 690, 348-354.	2.6	32
6	Latest Developments in Modeling and Characterization of Joining Metal Based Hybrid Materials. <i>Advanced Engineering Materials</i> , 2018, 20, 1800048.	1.6	32
7	Identifying flow defects in amorphous alloys using machine learning outlier detection methods. <i>Scripta Materialia</i> , 2020, 186, 185-189.	2.6	30
8	The microstructure-strength relationship in a deformation processed Al-Ca composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 570, 106-113.	2.6	28
9	A dislocation-based, strain-gradient plasticity strengthening model for deformation processed metal-metal composites. <i>Journal of Materials Science</i> , 2014, 49, 2787-2794.	1.7	27
10	A novel method to prepare protein-polysaccharide conjugates with high grafting and low browning: Application in encapsulating curcumin. <i>LWT - Food Science and Technology</i> , 2021, 145, 111349.	2.5	27
11	A Review on the Strengthening of Nanostructured Materials. <i>International Journal of Current Engineering and Technology</i> , 2018, 8, .	0.0	26
12	Production of fine calcium powders by centrifugal atomization with rotating quench bath. <i>Powder Technology</i> , 2017, 308, 84-93.	2.1	23
13	Universal nature of the saddle states of structural excitations in metallic glasses. <i>Materials Today Physics</i> , 2021, 17, 100359.	2.9	20
14	A Short Review on Mechanical Behavior of Nanocrystalline Materials. <i>International Journal of Metallurgy and Metal Physics</i> , 2017, 2, 1-13.	0.3	18
15	Prospects for novel deformation processed Al/Ca composite conductors for overhead high voltage direct current (HVDC) power transmission. <i>Electric Power Systems Research</i> , 2013, 105, 105-114.	2.1	17
16	Phase field study of interfacial diffusion-driven spheroidization in a composite comprised of two mutually insoluble phases. <i>Journal of Chemical Physics</i> , 2014, 140, 124706.	1.2	16
17	Heat-induced glycosylation with dextran to enhance solubility and interfacial properties of enzymatically hydrolyzed zein. <i>Journal of Food Engineering</i> , 2022, 321, 110946.	2.7	7
18	ART_data_analyzer: Automating parallelized computations to study the evolution of materials. <i>SoftwareX</i> , 2019, 9, 238-243.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Effects of cluster expansion on the locations of phase transition boundary as a first step to quantify uncertainty in first principles statistical mechanics framework. Computational Materials Science, 2021, 186, 110050.	1.4	5
20	Tensile Properties of High-purity Ca Metal. British Journal of Applied Science & Technology, 2016, 15, 1-6.	0.2	4
21	Notch strength and stress concentration sensitivity of alloy 2090 with various cerium contents. Journal of Materials Science, 2000, 35, 1481-1486.	1.7	2