

# Ying Chen

## List of Publications by Year in descending order

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21  
papers

768  
citations

687363

13  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocrystalline gradient engineering: Grain evolution and grain boundary networks. <i>Computational Materials Science</i> , 2018, 141, 282-292.	3.0	7
2	Template-based fabrication of nanoporous metals. <i>Journal of Materials Research</i> , 2018, 33, 2-15.	2.6	31
3	Nanoscale martensitic phase transition at interfaces in shape memory materials. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	6
4	Cyclic mechanical properties of copper-based shape memory alloys: The effect of strain accommodation at grain boundaries. <i>International Journal of Fatigue</i> , 2017, 105, 1-6.	5.7	4
5	Grain boundary engineering of Co-Ni-Al, Cu-Zn-Al, and Cu-Al-Ni shape memory alloys by intergranular precipitation of a ductile solid solution phase. <i>Scripta Materialia</i> , 2016, 115, 113-117.	5.2	55
6	Elasticity of Random Multiphase Materials: Percolation of the Stiffness Tensor. <i>Journal of Statistical Physics</i> , 2016, 162, 232-241.	1.2	7
7	Grain boundary networks in nanocrystalline alloys from atom probe tomography quantization and autocorrelation mapping. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2302-2308.	1.8	3
8	Nanoindentation studies of small-scale martensitic transformations and ductile precipitate effects in dual-phase polycrystalline shape memory alloys. <i>Acta Materialia</i> , 2015, 91, 112-127.	7.9	19
9	A coupled kinetic Monte Carlo-finite element mesoscale model for thermoelastic martensitic phase transformations in shape memory alloys. <i>Acta Materialia</i> , 2015, 83, 431-447.	7.9	26
10	Finite Element Simulation of Hot Nanoindentation in Vacuum. <i>Experimental Mechanics</i> , 2013, 53, 1201-1211.	2.0	18
11	Oligocrystalline Shape Memory Alloys. <i>Advanced Functional Materials</i> , 2012, 22, 2094-2099.	14.9	124
12	Nonlocal Superelastic Model of Size-Dependent Hardening and Dissipation in Single Crystal Cu-Al-Ni Shape Memory Alloys. <i>Physical Review Letters</i> , 2011, 106, 085504.	7.8	17
13	Size effects in shape memory alloy microwires. <i>Acta Materialia</i> , 2011, 59, 537-553.	7.9	151
14	Shape memory and superelasticity in polycrystalline Cu-Al-Ni microwires. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	67
15	Analytical homogenization method for periodic composite materials. <i>Physical Review B</i> , 2009, 79, .	3.2	3
16	Effective transport properties of random composites: Continuum calculations versus mapping to a network. <i>Physical Review E</i> , 2009, 80, 040103.	2.1	10
17	Geometric considerations for diffusion in polycrystalline solids. <i>Journal of Applied Physics</i> , 2007, 101, 063524.	2.5	47
18	Percolation of Diffusional Creep: A New Universality Class. <i>Physical Review Letters</i> , 2007, 98, 035701.	7.8	13

#	ARTICLE	IF	CITATIONS
19	Coble creep in heterogeneous materials: The role of grain boundary engineering. <i>Physical Review B</i> , 2007, 76, .	3.2	10
20	Contribution of triple junctions to the diffusion anomaly in nanocrystalline materials. <i>Scripta Materialia</i> , 2007, 57, 253-256.	5.2	67
21	Diffusion on grain boundary networks: Percolation theory and effective medium approximations. <i>Acta Materialia</i> , 2006, 54, 4709-4720.	7.9	83