

Ping Jiang

List of Publications by Year in descending order

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17
papers

2,055
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraordinary strain hardening by gradient structure. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7197-7201.	7.1	912
2	Dynamically reinforced heterogeneous grain structure prolongs ductility in a medium-entropy alloy with gigapascal yield strength. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7224-7229.	7.1	338
3	Direct observation of chemical short-range order in a medium-entropy alloy. Nature, 2021, 592, 712-716.	27.8	334
4	Nanodomained Nickel Unite Nanocrystal Strength with Coarse-Grain Ductility. Scientific Reports, 2015, 5, 11728.	3.3	91
5	Designing structures with combined gradients of grain size and precipitation in high entropy alloys for simultaneous improvement of strength and ductility. Acta Materialia, 2022, 230, 117847.	7.9	74
6	Atomic-scale evidence of chemical short-range order in CrCoNi medium-entropy alloy. Acta Materialia, 2022, 224, 117490.	7.9	63
7	Chemical medium-range order in a medium-entropy alloy. Nature Communications, 2022, 13, 1021.	12.8	46
8	Mechanical properties and deformation mechanism of Mg-Al-Zn alloy with gradient microstructure in grain size and orientation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 694, 98-109.	5.6	43
9	Deformation mechanisms for superplastic behaviors in a dual-phase high specific strength steel with ultrafine grains. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 133-141.	5.6	28
10	Mechanical property comparisons between CrCoNi medium-entropy alloy and 316 stainless steels. Journal of Materials Science and Technology, 2022, 108, 256-269.	10.7	24
11	Dual heterogeneous structured medium-entropy alloys showing a superior strength-ductility synergy at cryogenic temperature. Journal of Materials Research and Technology, 2022, 17, 3262-3276.	5.8	22
12	Plastic deformation mechanisms in a severely deformed Fe-Ni-Al-C alloy with superior tensile properties. Scientific Reports, 2017, 7, 15619.	3.3	20
13	Enhanced tensile properties by heterogeneous grain structures and coherent precipitates in a CoCrNi-based medium entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142440.	5.6	18
14	Excellent tensile properties induced by heterogeneous grain structure and dual nanoprecipitates in high entropy alloys. Materials Characterization, 2022, 186, 111779.	4.4	15
15	Size effects of lamellar twins on the strength and deformation mechanisms of nanocrystalline hcp cobalt. Scientific Reports, 2017, 7, 9550.	3.3	12
16	Twin density gradient induces enhanced yield strength-and-ductility synergy in a S31254 super austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 837, 142727.	5.6	10
17	Size effects of nano-spaced basal stacking faults on the strength and deformation mechanisms of nanocrystalline pure hcp metals. Philosophical Magazine, 2018, 98, 1186-1203.	1.6	5