# Ping Jiang

List of Publications by Year
in descending order

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| 17 | 2,055 | 623734 14 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 1364 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | Atomic-scale evidence of chemical short-range order in CrCoNi medium-entropy alloy. Acta Materialia, 2022, 224, 117490. | 7.9 | 63 |
| 4 | 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 |
| 5 | Excellent tensile properties induced by heterogeneous grain structure and dual nanoprecipitates in high entropy alloys. Materials Characterization, 2022, 186, 111779. | 4.4 | 15 |
| 6 | Chemical medium-range order in a medium-entropy alloy. Nature Communications, 2022, 13, 1021. | 12.8 | 46 |
| 7 | 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 |
| 8 | 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 |
| 9 | Direct observation of chemical short-range order in a medium-entropy alloy. Nature, 2021, 592, 712-716. | 27.8 | 334 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Size effects of lamellar twins on the strength and deformation mechanisms of nanocrystalline hcp cobalt. Scientific Reports, 2017, 7, 9550. | 3.3 | 12 |
| 14 | Plastic deformation mechanisms in a severely deformed Fe-Ni-Al-C alloy with superior tensile properties. Scientific Reports, 2017, 7, 15619. | 3.3 | 20 |
| 15 | 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 |
| 16 | Nanodomained Nickel Unite Nanocrystal Strength with Coarse-Grain Ductility. Scientific Reports, 2015, 5, 11728. | 3.3 | 91 |
| 17 | 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 |