Ping Huang

List of Publications by Year in Descending Order

26 papers	540 citations	14 h-index	23 g-index
28 ext. papers	627 ext. citations	4.7 avg, IF	4.02 L-index

#	Paper	IF	Citations
26	Phase transformation-induced strengthening and multistage strain hardening in double-gradient-structured high-entropy alloys. *Applied Physics A: Materials Science and Processing*, **2022**, 128, 1	2.6	0
25	Achieving pronounced β-relaxations and improved plasticity in CuZr metallic glass. *Journal of Alloys and Compounds*, **2021**, 850, 156774	5.7	1
24	Size dependent hidden serration behaviors of shear banding in metallic glass thin films. *Journal of Non-Crystalline Solids*, **2020**, 534, 119953	3.9	7
23	Graphene-boundary strengthening mechanism in Cu/graphene nanocomposites: A molecular dynamics simulation. *Materials and Design*, **2020**, 190, 108555	8.1	23
22	Length scale dependent plasticity of amorphous/amorphous NiNb/ZrCuNiALSI nanolaminates. *Journal of Non-Crystalline Solids*, **2020**, 535, 119996	3.9	5
21	Rejuvenation saturation upon cyclic elastic loading in metallic glass. *Computational Materials Science*, **2019**, 166, 318-325	3.2	12
20	All-in-One Synchronized DNA Nanodevices Facilitating Multiplexed Cell Imaging. *Analytical Chemistry*, **2019**, 91, 4696-4701	7.8	18
19	Crystalline organization of nacre and crossed lamellar architecture of seashells and their influences in mechanical properties. *Materialia*, **2019**, 8, 100476	3.2	2
18	Identifying the significance of Sn addition on the tribological performance of Ti-based bulk metallic glass composites. *Journal of Alloys and Compounds*, **2019**, 780, 671-679	5.7	40
17	Investigation into nanoscratching mechanical performance of metallic glass multilayers with improved nano-tribological properties. *Journal of Alloys and Compounds*, **2019**, 776, 447-459	5.7	38
16	Improving the crack resistance and fracture toughness of Cu/Ru multilayer thin films via tailoring the individual layer thickness. *Journal of Alloys and Compounds*, **2018**, 742, 45-53	5.7	16
15	On the role of weak interface in crack blunting process in nanoscale layered composites. *Applied Surface Science*, **2018**, 433, 957-962	6.7	19
14	Interface-Related Shear Banding Deformation of Amorphous/Crystalline CuZr/Cu Nanolaminates by Molecular Dynamics Simulations. *Materials Transactions*, **2018**, 59, 230-236	1.3	1
13	Grain and interface boundaries governed strengthening mechanisms in metallic multilayers. *Journal of Alloys and Compounds*, **2017**, 698, 906-912	5.7	25
12	DNA-Mediated Assembly of Gold Nanoparticles and Applications in Bioanalysis. *ChemNanoMat*, **2017**, 3, 725-735	3.5	14
11	Dislocations interaction induced structural instability in intermetallic Al2Cu. *Npj Computational Materials*, **2017**, 3,	10.9	13
10	Plastic deformation behaviors of amorphous-Cu50Zr50/crystalline-Cu nanolaminated structures by molecular dynamics simulations. *Journal of Alloys and Compounds*, **2017**, 693, 285-290	5.7	33

9	Plastic Deformation Modes of CuZr/Cu Multilayers. *Scientific Reports*, **2016**, 6, 23306	4.9	29
8	Atomistic study of fundamental character and motion of dislocations in intermetallic Al2Cu. *International Journal of Plasticity*, **2016**, 87, 100-113	7.6	29
7	Effect of Na2SiO3 solution concentration of micro-arc oxidation process on lap-shear strength of adhesive-bonded magnesium alloys. *Applied Surface Science*, **2014**, 314, 447-452	6.7	29
6	Mechanical properties of titania prepared by plasma electrolytic oxidation at different voltages. *Surface and Coatings Technology*, **2007**, 201, 5168-5171	4.4	67
5	Formation mechanism of biomedical apatite coatings on porous titania layer. *Journal of Materials Science: Materials in Medicine*, **2007**, 18, 457-63	4.5	9
4	Preparation and apatite layer formation of plasma electrolytic oxidation film on titanium for biomedical application. *Materials Letters*, **2005**, 59, 185-189	3.3	71
3	Hybrid Process of Microarc Oxidation and Hydrothermal Treatment of Titanium Implant. *Journal of Porous Materials*, **2004**, 11, 41-45	2.4	11
2	Surface modification of titanium implant by microarc oxidation and hydrothermal treatment. *Journal of Biomedical Materials Research Part B*, **2004**, 70, 187-90		20
1	. *Journal of Materials Science Letters*, **2002**, 21, 257-258		7