

Ping Huang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Preparation and apatite layer formation of plasma electrolytic oxidation film on titanium for biomedical application. <i>Materials Letters</i> , 2005 , 59, 185-189	3.3	71
25	Mechanical properties of titania prepared by plasma electrolytic oxidation at different voltages. <i>Surface and Coatings Technology</i> , 2007 , 201, 5168-5171	4.4	67
24	Identifying the significance of Sn addition on the tribological performance of Ti-based bulk metallic glass composites. <i>Journal of Alloys and Compounds</i> , 2019 , 780, 671-679	5.7	40
23	Investigation into nanoscratching mechanical performance of metallic glass multilayers with improved nano-tribological properties. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 447-459	5.7	38
22	Plastic deformation behaviors of amorphous-Cu ₅₀ Zr ₅₀ /crystalline-Cu nanolaminated structures by molecular dynamics simulations. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 285-290	5.7	33
21	Effect of Na ₂ SiO ₃ solution concentration of micro-arc oxidation process on lap-shear strength of adhesive-bonded magnesium alloys. <i>Applied Surface Science</i> , 2014 , 314, 447-452	6.7	29
20	Plastic Deformation Modes of CuZr/Cu Multilayers. <i>Scientific Reports</i> , 2016 , 6, 23306	4.9	29
19	Atomistic study of fundamental character and motion of dislocations in intermetallic Al ₂ Cu. <i>International Journal of Plasticity</i> , 2016 , 87, 100-113	7.6	29
18	Grain and interface boundaries governed strengthening mechanisms in metallic multilayers. <i>Journal of Alloys and Compounds</i> , 2017 , 698, 906-912	5.7	25
17	Graphene-boundary strengthening mechanism in Cu/graphene nanocomposites: A molecular dynamics simulation. <i>Materials and Design</i> , 2020 , 190, 108555	8.1	23
16	Surface modification of titanium implant by microarc oxidation and hydrothermal treatment. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 70, 187-90		20
15	On the role of weak interface in crack blunting process in nanoscale layered composites. <i>Applied Surface Science</i> , 2018 , 433, 957-962	6.7	19
14	All-in-One Synchronized DNA Nanodevices Facilitating Multiplexed Cell Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 4696-4701	7.8	18
13	Improving the crack resistance and fracture toughness of Cu/Ru multilayer thin films via tailoring the individual layer thickness. <i>Journal of Alloys and Compounds</i> , 2018 , 742, 45-53	5.7	16
12	DNA-Mediated Assembly of Gold Nanoparticles and Applications in Bioanalysis. <i>ChemNanoMat</i> , 2017 , 3, 725-735	3.5	14
11	Dislocations interaction induced structural instability in intermetallic Al ₂ Cu. <i>Npj Computational Materials</i> , 2017 , 3,	10.9	13
10	Rejuvenation saturation upon cyclic elastic loading in metallic glass. <i>Computational Materials Science</i> , 2019 , 166, 318-325	3.2	12

9	Hybrid Process of Microarc Oxidation and Hydrothermal Treatment of Titanium Implant. <i>Journal of Porous Materials</i> , 2004 , 11, 41-45	2.4	11
8	Formation mechanism of biomedical apatite coatings on porous titania layer. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 457-63	4.5	9
7	Size dependent hidden serration behaviors of shear banding in metallic glass thin films. <i>Journal of Non-Crystalline Solids</i> , 2020 , 534, 119953	3.9	7
6	. <i>Journal of Materials Science Letters</i> , 2002 , 21, 257-258		7
5	Length scale dependent plasticity of amorphous/amorphous NiNb/ZrCuNiAlSI nanolaminates. <i>Journal of Non-Crystalline Solids</i> , 2020 , 535, 119996	3.9	5
4	Crystalline organization of nacre and crossed lamellar architecture of seashells and their influences in mechanical properties. <i>Materialia</i> , 2019 , 8, 100476	3.2	2
3	Achieving pronounced Relaxations and improved plasticity in CuZr metallic glass. <i>Journal of Alloys and Compounds</i> , 2021 , 850, 156774	5.7	1
2	Interface-Related Shear Banding Deformation of Amorphous/Crystalline CuZr/Cu Nanolaminates by Molecular Dynamics Simulations. <i>Materials Transactions</i> , 2018 , 59, 230-236	1.3	1
1	Phase transformation-induced strengthening and multistage strain hardening in double-gradient-structured high-entropy alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	0