Ping Huang

List of Publications by Year
in descending order

27	718	516215 16	552369 26
papers	citations	h-index	g-index

28	28	28	824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and apatite layer formation of plasma electrolytic oxidation film on titanium for biomedical application. Materials Letters, 2005, 59, 185-189.	1.3	78
2	Mechanical properties of titania prepared by plasma electrolytic oxidation at different voltages. Surface and Coatings Technology, 2007, 201, 5168-5171.	2.2	73
3	Investigation into nanoscratching mechanical performance of metallic glass multilayers with improved nano-tribological properties. Journal of Alloys and Compounds, 2019, 776, 447-459.	2.8	57
4	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.	2.8	55
5	Plastic deformation behaviors of amorphous-Cu50Zr50/crystalline-Cu nanolaminated structures by molecular dynamics simulations. Journal of Alloys and Compounds, 2017, 693, 285-290.	2.8	44
6	Effect of Na 2 SiO 3 solution concentration of micro-arc oxidation process on lap-shear strength of adhesive-bonded magnesium alloys. Applied Surface Science, 2014, 314, 447-452.	3.1	43
7	Graphene-boundary strengthening mechanism in Cu/graphene nanocomposites: A molecular dynamics simulation. Materials and Design, 2020, 190, 108555.	3.3	41
8	Plastic Deformation Modes of CuZr/Cu Multilayers. Scientific Reports, 2016, 6, 23306.	1.6	38
9	Atomistic study of fundamental character and motion of dislocations in intermetallic Al2Cu. International Journal of Plasticity, 2016, 87, 100-113.	4.1	37
10	Grain and interface boundaries governed strengthening mechanisms in metallic multilayers. Journal of Alloys and Compounds, 2017, 698, 906-912.	2.8	34
11	Surface modification of titanium implant by microarc oxidation and hydrothermal treatment. Journal of Biomedical Materials Research Part B, 2004, 70B, 187-190.	3.0	28
12	On the role of weak interface in crack blunting process in nanoscale layered composites. Applied Surface Science, 2018, 433, 957-962.	3.1	26
13	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.	2.8	25
14	Rejuvenation saturation upon cyclic elastic loading in metallic glass. Computational Materials Science, 2019, 166, 318-325.	1.4	23
15	All-in-One Synchronized DNA Nanodevices Facilitating Multiplexed Cell Imaging. Analytical Chemistry, 2019, 91, 4696-4701.	3.2	23
16	Dislocations interaction induced structural instability in intermetallic Al2Cu. Npj Computational Materials, 2017, 3, .	3.5	18
17	DNAâ€Mediated Assembly of Gold Nanoparticles and Applications in Bioanalysis. ChemNanoMat, 2017, 3, 725-735.	1.5	16
18	Hybrid Process of Microarc Oxidation and Hydrothermal Treatment of Titanium Implant. Journal of Porous Materials, 2004, 11, 41-45.	1.3	11

#	Article	IF	Citations
19	Formation mechanism of biomedical apatite coatings on porous titania layer. Journal of Materials Science: Materials in Medicine, 2007, 18, 457-463.	1.7	11
20	Size dependent hidden serration behaviors of shear banding in metallic glass thin films. Journal of Non-Crystalline Solids, 2020, 534, 119953.	1.5	10
21	Title is missing!. Journal of Materials Science Letters, 2002, 21, 257-258.	0.5	7
22	Length scale dependent plasticity of amorphous/amorphous NiNb/ZrCuNiALSI nanolaminates. Journal of Non-Crystalline Solids, 2020, 535, 119996.	1.5	7
23	Crystalline organization of nacre and crossed lamellar architecture of seashells and their influences in mechanical properties. Materialia, 2019, 8, 100476.	1.3	6
24	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.	1.1	3
25	Interface-Related Shear Banding Deformation of Amorphous/Crystalline CuZr/Cu Nanolaminates by Molecular Dynamics Simulations. Materials Transactions, 2018, 59, 230-236.	0.4	2
26	Achieving pronounced Î²-relaxations and improved plasticity in CuZr metallic glass. Journal of Alloys and Compounds, 2021, 850, 156774.	2.8	1
27	Two-Dimensional X-Ray Diffraction for Structure and Stress Analysis. Materials Science Forum, 0, , 1-6.	0.3	1