

Zhenbo Wang

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

687
citations

1163117

8
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue behaviors of AISI 316L stainless steel with a gradient nanostructured surface layer. <i>Acta Materialia</i> , 2015, 87, 150-160.	7.9	410
2	Simultaneous enhancement of stress- and strain-controlled fatigue properties in 316L stainless steel with gradient nanostructure. <i>Acta Materialia</i> , 2019, 168, 133-142.	7.9	87
3	Enhanced mechanical properties and corrosion resistance of 316L stainless steel by pre-forming a gradient nanostructured surface layer and annealing. <i>Acta Materialia</i> , 2021, 208, 116773.	7.9	76
4	Superior mechanical properties and deformation mechanisms of a 304 stainless steel plate with gradient nanostructure. <i>International Journal of Plasticity</i> , 2022, 155, 103336.	8.8	35
5	Formation of interfacial compounds and the effects on stripping behaviors of a cold-sprayed Zn-Al coating on interstitial-free steel. <i>Applied Surface Science</i> , 2015, 340, 89-95.	6.1	20
6	Diffusion and surface alloying of gradient nanostructured metals. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 547-560.	2.8	20
7	Improved osteogenic differentiation of human amniotic mesenchymal stem cells on gradient nanostructured Ti surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1824-1833.	4.0	17
8	Bioinformatics analysis and identification of circular RNAs promoting the osteogenic differentiation of human bone marrow mesenchymal stem cells on titanium treated by surface mechanical attrition. <i>PeerJ</i> , 2020, 8, e9292.	2.0	9
9	Controllable Martensite Transformation and Strain-Controlled Fatigue Behavior of a Gradient Nanostructured Austenite Stainless Steel. <i>Nanomaterials</i> , 2021, 11, 1870.	4.1	6
10	Effect of Gradient Nanostructured Ti on Behaviours of MG63 Cells <i>In Vitro</i> . <i>Journal of Nanomaterials</i> , 2020, 2020, 1-11.	2.7	4
11	Enhanced bonding property of ion-plated TiN coating on stainless steel by mechanically pre-forming a gradient nanostructure. <i>Surface and Coatings Technology</i> , 2022, 444, 128664.	4.8	3