

Yuming Xiong

List of Publications by Year in descending order

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20
papers

997
citations

623734

14
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20
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20
all docs

20
docs citations

20
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	General aspects of interface bonding in kinetic sprayed coatings. <i>Acta Materialia</i> , 2008, 56, 4858-4868.	7.9	379
2	Dynamic amorphization and recrystallization of metals in kinetic spray process. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	78
3	The oxidation behavior and mechanical performance of Ti60 alloy with enamel coating. <i>Surface and Coatings Technology</i> , 2005, 190, 195-199.	4.8	67
4	The Effects of Successive Impacts and Cold Welds on the Deposition Onset of Cold Spray Coatings. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 575-585.	3.1	60
5	Strain-enhanced nanocrystallization of a CuNiTiZr bulk metallic glass coating by a kinetic spraying process. <i>Acta Materialia</i> , 2009, 57, 6191-6199.	7.9	52
6	High resolution microstructure characterization of the interface between cold sprayed Al coating and Mg alloy substrate. <i>Applied Surface Science</i> , 2014, 289, 366-369.	6.1	50
7	Synergistic corrosion behavior of coated Ti60 alloys with NaCl deposit in moist air at elevated temperature. <i>Corrosion Science</i> , 2008, 50, 15-22.	6.6	46
8	The effect of cold sprayed coatings on the mechanical properties of AZ91D magnesium alloys. <i>Surface and Coatings Technology</i> , 2014, 253, 89-95.	4.8	43
9	Dependence of Bonding Mechanisms of Cold Sprayed Coatings on Strain-Rate-Induced Non-Equilibrium Phase Transformation. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 860-865.	3.1	41
10	The oxidation behavior of TiAlNb intermetallics with coatings at 800 Å°C. <i>Surface and Coatings Technology</i> , 2005, 197, 322-326.	4.8	33
11	The influence of process parameters on deposition characteristics of a soft/hard composite coating in kinetic spray process. <i>Applied Surface Science</i> , 2008, 254, 2269-2275.	6.1	32
12	Effect of Enamel Coating on Oxidation and Hot Corrosion Behaviors of Ti-24Al-14Nb-3V Alloy. <i>Journal of Materials Engineering and Performance</i> , 2006, 15, 564-569.	2.5	28
13	The effect of enamel coating on the oxidation behavior of Ti3Al-based intermetallics at 750Å°C in air. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 460-461, 214-219.	5.6	26
14	Effect of vitreous enamel coating on the oxidation behavior of Ti6Al4V and TiAl alloys at high temperatures. <i>Journal of Coatings Technology Research</i> , 2008, 5, 93-98.	2.5	22
15	Dependence of initial powder temperature on impact behaviour of bulk metallic glass in a kinetic spray process. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 082004.	2.8	12
16	Tribological behavior of NiCr-base blended and nanostructured composite APS coatings by rig test. <i>Wear</i> , 2008, 265, 1565-1571.	3.1	9
17	The Fabrication of Carbon Nanotubes Reinforced Copper Coating by a Kinetic Spray Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5561-5565.	0.9	8
18	Phase separation in kinetic sprayed bulk metallic glasses. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 182007.	2.8	6

#	ARTICLE	IF	CITATIONS
19	Amorphization of ZrO ₂ +CeO ₂ Powders Through Mechanical Milling for the Use of Kinetic Spray. Journal of Materials Engineering and Performance, 2013, 22, 3717-3722.	2.5	3
20	Hot Corrosion of Ti-Based Intermetallics with Coatings in NaCl+ (Na,K)2SO4 Melts at 750°C. The Open Corrosion Journal, 2009, 2, 157-163.	3.0	2