

[首页](#)
[实验室概况](#)
[科学研究](#)
[研究人员](#)
[人才培养](#)
[交流合作](#)
[校友天地](#)
[开放课题](#)
[资料下载](#)

科学研究

当前位置: [首页](#) [科学研究](#) [研究成果](#) [发表文章](#)

研究方向

研究成果

重要获奖

授权专利

[发表文章](#)

典型成果

研究条件

2010年学术论文

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序号	论文名称	作者	刊物名称	年,卷,期,页	检索
1	Effects of hydrogen on diffusion bonding of TiAl-based intermetallics using hydrogenated Ti6Al4V interlayer	He P., Fan L., Liu H., Feng J.C.	International Journal of Hydrogen Energy	2010,35(24):13317-13321	SCI
2	Effect of 0.3 wt% Hydrogen Addition on the Friction Stir Welding Characteristics of Ti-6Al-4V Alloy and Mechanism of Hydrogen-Induced Effect	L. Zhou, H. J. Liu	International Journal of Hydrogen Energy	2010,35(16):8733-8741	SCI
3	Dynamic evolution of welding residual stress field under non-contact electromagnetic force	Da Xu, Xuesong Liu, Jianguo Yang, Wei Xu	Journal of Applied Physics	2010, 107: 054904-1-10	SCI
4	Calculation of electromagnetic force in electromagnetic forming process of metal sheet	Da Xu, Xuesong Liu, Kun Fang, Hongyuan Fang	Journal of Applied Physics	2010, 107:124907-1-7	SCI
5	Analysis of intermetallic layer in dissimilar TIG welding-brazing butt joint of aluminium alloy to stainless steel	J. L. Song, S. B. Lin, C. L. Yang, C. L. Fan, G. C. Ma	Science and Technology of Welding and Joining	2010,15(3):213-218	SCI
6	Effect of La content on microstructure evolution of 20Ag-Cu-Zn-Sn-P-La filler metals and properties of joints	Z. R. Li, J. Cao, B. Liu, J. C. Feng	Science and Technology of Welding and Joining	2010,15(1):59-63	
7	Effects of processing parameters on microstructure and mechanical behavior of SiO ₂ /Ti-6Al-4V joint brazed with AgCu/Ni interlayer	J.C. Feng, D. Liu, L.X. Zhang, X.C. Lin, P. He	Materials Science and Engineering A	2010,527:1522-1528	SCI
8	Effect of cooling rate on microstructure and deformation behavior of Ti-based metallic glassy/crystalline powders	D.J. Wang, Y.J. Huang, J. Shen, Y.Q. Wu	Materials Science and Engineering A	2010,527:5750-5754	SCI
	Interface microstructure analysis of SiO ₂ glass	H. B. Liu, L. X. Zhang,	Materials Science		

9	ceramic and Ti-6Al-4V alloy joint brazed with Ti-Zr-Ni-Cu alloy	D. Liu1, P. He, J. C. Feng	and Technology	2010,26(2):188-192	SCI
10	Interfacial reaction mode and its influence on tensile strength of the joint in laser joining Al alloy to Ti alloy	Shuhai Chen, Liqun Li, Yanbin Chen	Materials Science and Technology	2010,26(2):230-235	SCI
11	Effect of Process Parameters on Stir Zone Microstructure in Ti-6Al-4V Friction Stir Welds	L. Zhou, H. J. Liu, Q. W. Liu	Journal of Materials Science	2010,45(1):39-45	SCI
12	Study of the Key Issues of Friction Stir Welding of Titanium Alloy	Huijie Liu, Li Zhou, Yongxian Huang, Qiwei Liu	Materials Science Forum	2010, 638-642:1185-1190	SCI
13	Measurement and Estimation of Weld Pool Surface Depth and Weld Penetration in Pulsed Gas Metal Arc Welding	Wang Zhijiang, Zhang Yuming, Wu Lin	Welding Journal	2010,89(6):117-126	SCI
14	Spectroscopic diagnostics of temperatures for a non-axisymmetric coupling arc by monochromatic imaging	Zhang Guangjun, Xiong Jun, Hu Yutang	Meas. Sci. Technol.	2010,21:105502	SCI
15	Investigation on Sn grain number and crystal orientation in the Sn-Ag-Cu/Cu solder joints of different sizes	Yang Shihua, Tian Yanhong, Wang Chunqing	J Mater Sci: Mater Electron	2010,21:1174-1180	SCI
16	Brazing mechanism and infiltration strengthening of CC composites to TiAl alloys joint	Wang H.Q., Cao J., Feng J.C.	Scripta Materialia	2010,63(8):859-862	SCI
17	Resistance Spot Welded AZ31 Magnesium Alloys, Part II: Effects of Welding Current on Microstructure and Mechanical Properties	L. Liu, L. Xiao, J.C. Feng, Y.H. Tian, S.Q. Zhou, Y. Zhou	Metallurgical and Materials Transactions A	2010,41(10):2642-2650	SCI
18	Metal magnetic memory effect caused by static tension load in a case-hardened steel	Shi C.L., Dong S.Y., Xu B.S., He P.	Journal of Magnetism and Magnetic Materials	2010,22(4):413-416	SCI
19	Weld Crack Testing Method Using Ultrasonic TOFD Technique	Chi Dazhao, Gang Tie, Yao Yingxue, Yuan Yuan	Insight - Non-Destructive Testing and Condition Monitoring	2010,2(4):88-191	SCI
20	DLC deposition inside tubes using hollow cathode discharge plasma immersion ion implantation and deposition	X. B. Tian, H. F. Jiang, C. Z. Gong, S. Q. Yang	Surface & Coatings Technology	2010,204(18-19):2909-2912	SCI
	Plasma immersion ion	C. Z. Gong,			

21	implantation of cylindrical bore using self-excited radio-frequency glow discharge	Z. T. Zhu, J. W. Shi, S. Q. Yang, X. B. Tian, P. K. Chu	Surface & Coatings Technology	2010,204(18-19):996-2998	SCI
22	Low Energy-Consumption Plasma Electrolytic Oxidation Based on Grid Cathode	X.M.Zhang, X.B. Tian, S.Q.Yang, C.Z.Gong, R.K.Y.Fu, P.K.Chu	Review of Scientific Instruments	2010,81(10):103504-1 ♦ 103504-5	SCI
23	A Specially Designed PLC-Based High-Voltage Pulse Modulator for Plasma Immersion Ion Implantation	Zongtao Zhu, Chunzhi Gong, Zhijian Wang, Xiubo Tian	IEEE Transactions on Plasma Science	2010,(11):083-3085	SCI
24	Inhomogeneous structure and glass-forming ability in Zr-based bulk metallic glasses	Yong Li Sun, Dong Dong Qu, Ya Juan Sun, K.D. Liss, Jun Shen	Journal of Non-Crystalline Solids	2010,56:9-45	SCI
25	Metastable nanocrystallization behavior of Ti-based metallic glassy powders during post-heating	D.J. Wang, Y.J. Huang, J. Zou, G.J. Auchterlonie, K.S. Jack, J. Shen	Scripta Materialia	2010,3:64♦767	SCI
26	Tuning the mechanical performance of a Ti-based bulk metallic glass by pre-deformation	Yongjiang Huang, Yi Sun, Jun Shen	Intermetallics	2010,8:044-2050	SCI
27	Deformation Evolution Mechanism during Hydro-bulging of Tailor-welded Tube with Dissimilar Thickness	Gang Liu, Guannan Chu, Shijian Yuan, Xiaosong Wang	Int J. Adv. Manuf. Technol.	2010,6:11-116	SCI

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