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## 2012年学术论文

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1	Cu+TiB <sub>2</sub> composite filler for brazing Al <sub>2</sub> O <sub>3</sub> and Ti-6Al-4V alloy	Minxuan Yang*, Tiesong Lin#, Peng He.	Journal of Alloys and Compounds	2012,512(1):282-289	SCI
2	Microstructural investigation of in situ TiB whiskers array reinforced ZrB <sub>2</sub> -SiC joint	Wei qi Yang, Tiesong Lin, Peng He, Yudong Huang, Jicai Feng.	Journal of Alloys and Compounds	2012,527: 117-121	SCI
3	Bending behavior of TiZrNiCuBe bulk metallic glass	Y.J. Huang#, D.J. Wang, D.P.Wang, Z.X. Zhang, J. Shen	Journal of Alloys and Compounds	2012,541: 359-364	SCI
4	Dielectric Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /Pb (Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> Composite Ceramics	A. Rajabtabar □ Darvishi , W. L. Li, O.Sheikhnejad-Bishe, L. D. Wang, Y. Zhao, S. Q. Zhang, W. D. Fei.	Journal of Alloys and Compounds	2012,541: 179-182	SCI
5	Double-sided laser beam welded T-joints for aluminum aircraft fuselage panels: Process,microstructure,and mechanical properties	Z.B. Yang, W. Tao, L.Q. Li, Y.B. Chen, F.Z. Li, Y.L.Zhang	Materials and Design	2012,33:652-658	SCI
6	Novel TiCuNiCo composites with high fracture strength and plasticity	G. Wang,Y.J. Huang,J. Shen	Materials and Design	2012,33: 226-230	SCI
7	Microstructure design and dissolution behavior between 2024 Al /Sn with the ultrasonic-associated soldering	YuanxingLi,Xuesong Leng#, ShengCheng, JiuchunYan	Materials and Design	2012,40: 427-432	SCI
8	Effect of Ti on hot cracking and mechanical performance in the gas tungsten arc welds of copper thick plates.	Li Yinan, Liu Xuesong, Yan Jiuchun, Ma Lin, Li Chunfeng	Materials and Design	2012,35: 303-309	SCI
9	Stress intensity factor expression for center-cracked butt joint considering the effect of joint shape	Tao Wang, Jianguo Yang, Xuesong Liu, Zhibo Dong, Hongyuan Fang	Materials and Design	2012,35: 72-79	SCI
10	Stress intensity factor expression for butt joint with single-edge crack considering the effect of joint shape	Tao Wang, Jianguo Yang, Xuesong Liu, Zhibo Dong, Hongyuan Fang	Materials and Design	2012,36: 748-756	SCI
11	Laser welding of Ti <sub>40</sub> Zr <sub>25</sub> Ni <sub>3</sub> Cu <sub>12</sub> Be <sub>20</sub> bulk metallic glass	G. Wang*,Y.J. Huang#,M. Shagiev#,J. Shen	Materials Science and Engineering A	2012,541: 33-37	SCI
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12	Surface Abrasion for Joining Metal Foams	Jinsong Leng#, Yao Li#	ScienceandEngineering A	2012,552:283□287	SCI
13	Interfacial structure and fracture behavior of TiB whisker-reinforced C/SiC composite and TiAl joints brazed with Ti-Ni-B brazing alloy.	Z.W. Yang* L.X. Zhang, P. He, J.C. Feng	Materials Science and Engineering A	2012,532:471□475	SCI
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18	Mechanical and optical characteristics of multilayer inorganic films on polyimide for anti-atomic-oxygen erosion	Yongxian Huang, Xiubo Tian, Shixiong Lv, Ricky K.Y. Fu#, Paul K. Chu#	Applied Surface Science	2012,258: 5810-5814	SCI
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26	Mechanisms of microstructure formations in M50 steel melted layer by high current pulsed electron beam	Tang Guangze#, Xu Fangjun#, Fan Guohua#, Ma Xinxin, Wang Liqin#	Nuclear instruments & Methods in Physics Research B	2012,288:1-5	SCI
27	Morphologies and grain orientations of Cu□Sn intermetallic compounds in Sn <sub>3.0</sub> Ag <sub>0.5</sub> Cu/Cu solder joints	WeiLiu, YanhongTian, ChunqingWang,XuelinWang*,RuiyangLiu.*	Materials Letters	2012,86:157□160	SCI
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34	Characterization of Al/Ni multilayers and their application in diffusion bonding of TiAl to TiC cermer	J.Cao, X.G.Song, L.Z.Wu#, J..L.Qi#, J.C.Feng	Thin Solid Films	2012,520: 3528-3531	SCI
35	Microstructural characterization in dissimilar friction stir welding between 304 stainless steel and st37 steel	M. Jafarzadegan#, A.H. Feng,A.A. Zadeh#,T. Saeid#,J. Shen,H. Assadi#	Materials Characterization	2012,74: 28-41	SCI
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