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## 科学研究

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### 2008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	Microstructure of Cr3C2-reinforced surface metal matrix composite produced by gas tungsten arc melt injection	Liu Aiguo, Guo Mianhuan, Hu Hailong, Li Zhijie	Scripta Materialia	2008, 59: 231-234	SCI
2	In situ investigation of fracture behavior in monocrystalline WCp-reinforced Ti-6Al-4V metal matrix composites produced by laser melt injection	Dejian Liu, Yanbin chen, Liqun Li, Fuquan Li	Scripta Materialia	2008,59: 91-94	SCI
3	Lon trajectories in plasma ion implantation of slender cylindrical bores using a small inner end source	Xiubo Tian, Chunzhi Gong, Yongxian Huang	Applied Physics Letters	2008 ,93 : 191501-191503	SCI
4	Three-dimensional modeling of solder droplet impact onto a groove	Y. H. Tian, C. Q. Wang, C. J. Hang	Journal of physics: Applied physics	2008,41 (24):1-12	SCI
5	Microstructure and wear resistance of low carbon steel surface strengthened by plasma melt injection of SiC particles	Mianhuan Guo, Aiguo Liu, Minhai Zhao, Hailong Hu	Surface & Coatings Technology	2008, 202: 4041-4046	SCI
6	Duplex diamond-like carbon film fabricated on 2Cr13 martensite stainless steel using inner surface ion implantation and deposition	Langping Wang, Lei Huang, Yuhang Wang, Zhiwen Xie	Surface & Coatings Technology	2008,202: 3391-3395	SCI
7	WCp/Ti-6Al-4V graded metal matrix composites layer produced by laser melt injection	Dejian Liu, Fuquan Li, YanbinChen, Liqun Li	Surface & Coating Technology	2008,202: 4780-4787	SCI
8	WCp/Fe metal matrix composites produced by laser melt injection	Dejian Liu, Liqun Li, Fuquan Li, Yanbin Chen	Surface & Coating Technology	2008, 202: 1771-1777	SCI
9	New technique to control welding hot cracking with trailing impactive electromagnetic force	W. Xu, H.Y. Fang, J. G. Yang	Materials Science and Engineering A	2008. 488: 39-44	SCI
10	Floating of SiC particles in a Zn-Al filler metal	Zhiwu Xu, Jiuchun Yan,	Materials Science & Engineering A	2008, 474:	SCI

		Jinna Liu		157-164	
11	Bonding wire characterization using automatic deformability measurement	C. J. Hang, Lum, J. Lee, M. Mayer, C.Q. Wang	Microelectronic Engineering	2008, 85: 1795-1803	SCI
12	Microstructural study of copper free air balls in thermosonic wire bonding	C.J. Hang, C.Q. Wang, Y.H. Tian	Microelectronic Engineering	2008,85: 1815-1819	SCI
13	Microstructure and fracture properties of reaction-assisted diffusion bonding of TiAl intermetallic with Al/Ni multilayer foils	J. Cao, J.C. Feng, Z.R. Li	Journal of Alloys and Compounds	2008,466: 363-367	SCI
14	Investigation of sagging phenomenon observed in laser reflow soldering right-angled solder joints during isothermal aging or thermal cycle process	Liu Wei, Wang Chunqing, Tian Yanhong, Li Mingyu	Journal of Alloys and Compounds	2008,458: 323-329	SCI
15	Ultrasonic stress evaluation on welded plates with Lcr wave	H. Lu, X. S. Liu, J. G. Yang	Sci. Technol. Weld. Join.	2008,13 (1): 70-75	SCI
16	Capillary filling process during ultrasonically brazing of aluminum matrix composites	W. W. Zhao, J. C. Yan, W. Yang	Sci. Technol. Weld. Join.	2008, 13 (1): 66-69	SCI
17	Interfacial structure and mechanical properties of hot roll bonded joints of titanium alloy-stainless steel using copper interlayer	D.S. Zhao, J.C. Yan, C.W. Wang, Y. Wang	Sci. Technol. Weld. Join.	2008, 13 (8): 765-768	SCI
18	Vibration assisted brazing of SiCp/A356 composites: microstructure and mechanical behavior	J.C. Yan, H.B. Xu, L. Shi, X.L Wang	Sci. Technol. Weld. Join.	2008,13 (8): 760-764	SCI
19	Joint strength and failure mechanism of laser spot weld of mild steel sheets under lap shear loading	W.Tao, L.Q. Li, Y.B.Chen	Sci. Technol. Weld. Join.	2008,13 (8): 754-759	SCI
20	Determination of the Elastic Properties of Au5Sn and AuSn from Ab Initio Calculations	Rong An, Chun Qing Wang, Yanhong Tian	Journal of Electronic Materials	2008,37 (7) : 968-974	SCI
21	Determination of the Elastic Properties of Cu3Sn Through First-Principles Calculations	Rong An, Chun Qing Wang, Yanhong Tian	Journal of Electronic Materials	2008,37 (4): 477-482	SCI
22	Fourth-generation plasma immersion ion implantation and deposition facility for hybrid surface modification layer fabrication	Langping Wang, Lei Huang, Zhiwen Xie, Xiaofeng Wang	Review of Scientific Instruments	2008,79 (2): 1- 4	SCI
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24	Structure and mechanical properties of diamondlike carbon films produced by hollow-cathode plasma deposition	H.F.Jiang, X.B.Tian, S.Q.Yang	J.vac.sci.technol	2008,26 (5): 1149- 1153	SCI
25	Mechanical properties of amorphous hydrogenated carbon films fabricated on polyethylene terephthalate foils by plasma immersion ion implantation and deposition	Jing li, Xiubo Tian, Shqin Yang	J .Vac.Sci.Technol.	2008,26 (3): 438-443	SCI
26	Abel inversion using Legendre polynomials approximations	Shuiliang Ma, Hongming Gao, Lin Wu, Guangjun Zhang	Journal of Quantitative Spectroscopy and Radiative Transfer	2008, 109 (10): 1745- 1757	SCI
27	Duplex DLC coatings fabricated on the inner surface of a tube using plasma immersion ion implantation and deposition	Langping Wang, Lei Huang, Yuhang Wang, Xiaofeng Wang	Diamond and Related Materials	2008,17 (1): 43- 47	SCI
28	MoS <sub>2</sub> /Ti multilayer deposited on 2Cr13 substrate by PIIID	Langping Wang, Shaowei Zhao, Zhiwen Xie	Nuclear Instruments and Methods in Physics Research B	2008,266 (5): 730-733	SCI
29	Growth behavior of Cu/Al intermetallic compounds and cracks in copper ball bonds during isothermal aging	C.J. Hang, C.Q. Wang, M. Mayer	Microelectronics Reliability	2008,48: 416-424	SCI
30	Effect of ultrasonic vibration on the grain refinement and SiC particle distribution in Zn-based composite filler metal	Zhiwu Xu, Jiuchun Yan, Wei Chen, Shiqin Yang	Materials Letters	2008,62: 2615- 2618	SCI
31	Substrate oxide undermining by a Zn-Al alloy during wetting of alumina reinforced 6061 Al matrix composite	Z. W. Xu, J. C. Yan, C. Wang	Materials Chemistry and Physics	2008, 112: 831-837	SCI
32	Fracture Study of Ultrasonic Aluminum Wire Wedge Bonding on Copper Substrate with Mechanical Peeling-off Method	Heeseon Bang, Hongjun JI, Mingyu LI, Chunqing Wang	Materials Science Forum	2008,580- 582: 173- 176	SCI
33	Measurements of electron density and Stark width of neutral helium lines in a helium arc plasma	H.M. Gao, S.L. Ma, C.M. Xu	European Physical Journal D	2008, 47 (2): 191- 196	SCI
34	Dendritic Grain Growth Simulation in Weld Molten Pool Based on CA-FD Model	X.H. Zhan, Z.B. Dong, Y.H. Wei	Cryst. Res. Technol.	2008,43 (3): 253- 259	SCI
35	Plasma ion implantation to thin polymer foils	X.B.Tian, Y.X.Huang, S.Q.Yang	Phys stat sol	2008,205 (4) : 953-956	SCI
	Uniformity of plasma density				

36	and film thickness of coatings deposited inside a cylindrical tube by radio frequency sputtering	Cui Jiangtao, Tian Xiubo, Yang Shiqin	Plasma science and technology	2008,10 (5): 560-564	SCI
37	Electrochemical Behavior Al <sub>2</sub> O <sub>3</sub> /Al Coated surgical AZ91 magnesium Alloy in simulated Body Fluids	Yunchang Xin, Chenglong Liu, Xiubo Tian	Journal of the electrochemical society	2008,155 (5): C178-182	SCI
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39	Modified Fourier-Hankel method based on analysis of errors in Abel inversion using Fourier transform techniques	Shuiliang M, Hongming Gao, Lin Wu	Applied Optics	2008,47 (9): 1350- 1357	SCI
40	Phase Transformation and Grain Growth in the Heat Affected Zone During Welding of Ultra Fine Grain Ti-6Al-4V	Wu Wei, Gao Hongming, Wu Lin	Journal of Computational and Theoretical Nanoscience	2008, 5 (8): 1560- 1564	SCI
41	Thermal-mechanically coupled finite element model of ultrasonic welding process of polyetheretherketone	Yan Jiuchun, Wang Xiaolin, Li Ruiqi, Yang Shiqin	Journal of Computational and Theoretical Nanoscience	2008, 5 (8): 1574- 1577	SCI
42	Simulation of the Load Bearing Capacity of Hybrid Surface Modification Layer on TC4 Substrate Fabricated by Plasma Immersion Ion Implantation and Deposition	Langping Wang, Zhiwen Xie, Lei Huang, Yuhang Wang	Journal of Computational and Theoretical Nanoscience	2008, 5 (8): 1583- 1586	SCI

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