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2013年学术论文

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序号	论文名称	作者	刊物名称
1	Synthesis of Multiferroic Bi _{0.9} La _{0.1} Fe _{0.95} Mn _{0.05} O ₃ Ba _{0.7} Sr _{0.3} TiO ₃ Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ Nanotubes with One Closed End Using a Template-Assisted Sol-Gel Process	Bin Li, Chunqing Wang, Guangbin Dou	CrystEngComm
2	Vision-sensing and bead width control of a single-bead multi-layer part: material and energy savings in GMAW-based rapid manufacturing	Jun Xiong, Guangjun Zhang, Zhilong Qiu, Yongzhe Li	Journal of Cleaner Production
3	Wetting and Reaction Promoted by Ultrasound Between Sapphire and Liquid Al-12Si Alloy	Wei Cui, Changwen wang, Jiuchun Yan, Zhipeng wang, Wei Daqing	Ultrasonics Sonochemistry
4	Interaction behaviors at the interface between liquid Al-Si and solid Ti-6Al-4V in ultrasonic-assisted brazing in air.	Xiaoguang Chen, Jiuchun Yan, Fei Gao, Jinghui Wei, Zhiwu Xu, Guohua Fan	Ultrasonics Sonochemistry
5	Ultrasonic-assisted brazing of SiC ceramic to Ti-6Al-4V alloy using a novel AlSnSiZnMg filler metal	Xiaoguang Chen, Jiuchun Yan, Sichao Ren, Jinghui Wei, Qian Wang	Materials Letters
6	Microstructure and mechanical properties of Ti-6Al-4V/Al1060 joints by ultrasonic-assisted brazing in air	Xiaoguang Chen, Jiuchun Yan, Sichao Ren, Jinghui Wei, Qian Wang	Materials Letters
7	Formation mechanism and orientation of Cu ₃ Sn grains in Cu-Sn intermetallic compound joints	Rui Zhang, Yanhong Tian, Chunjin Hang, Baolei Liu, Chunqing Wang	Materials Letters
8	Fabrication of Multiferroic Ba _{0.7} Sr _{0.3} TiO ₃ -Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ Composite Nanofibers by Electrospinning	Bin Li, Chunqing Wang, Wei Zhang, Chunjin Hang, Jingming Fei, Hong Wang	Materials Letters
9	Multiferroic Properties of La and Mn Co-doped BiFeO ₃ Nanofibers by	Bin Li, Chunqing Wang, Wei Liu, Mao Ye, Ning Wang	Materials Letters

	Sol-Gel and Electrospinning Technique		
10	AA7075 Bit for Repairing AA2219 Keyhole by Filling Friction Stir Welding	Bing Han, Yongxian Huang*, Shixiong Lv, Long Wan, Jicai Feng	Materials and Design
11	Regeneration Technique for Welding Nanostructured Bainite	K Fang, JG Yang, XS Liu, KJ Song, H Fang, HKDH. Bhadeshia	Materials and Design
12	The microstructure and mechanical properties of fluxless gas tungsten arc welding-brazing joints made between titanium and aluminum alloys	Zhipeng Ma, Changwen Wang, Hanchen Yu, Jiuchun Yan, Haoran Shen	Materials and Design
13	Effect of Post-Processing Heat Treatment on Microstructure and Microhardness of Water-Submerged Friction Stir Processed 2219-T6 Aluminum Alloy	H. J. Liu, X. L. Feng	Materials and Design
14	Characteristics of the Reverse Dual-Rotation Friction Stir Welding Conducted on 2219-T6 Aluminum Alloy	J. Q. Li, H. J. Liu, W. J. Duan	Materials and Design
15	Microstructure and tensile properties of laser beam welded Ti-22Al-27Nb alloys	Zhenglong Lei, Zhijun Dong, Yanbin Chen, Jian Zhang, Ruican Zhu	Materials and Design
16	Effects of Tool Rotation Speed on Microstructures and Mechanical Properties of AA2219-T6 Welded by the External Non-Rotational Shoulder Assisted Friction Stir Welding	J. Q. Li, H. J. Liu	Materials and Design
17	Pulsed laser spot welding of intersection points for Zircaloy-4 spacer grid assembly	Wang Tao, Chuang Cai, Liqun Li, Yanbin Chen, Yiling Wang	Materials and Design
18	Microstructure and mechanical properties of diffusion bonded single crystal to polycrystalline Ni-based superalloys joint	J. K. Liu, J. Cao, X. T. Lin, X. G. Song, J. C. Feng	Materials and Design
19	In situ Rolling Friction Stir Welding for Joining AA2219	Yongxian Huang*, Long Wan, Shixiong Lv, Bing Han, Zhong Zhang, and Jian Zhang	Materials and Design
20	Gradient micro-structured surface layer on aluminum alloy fabricated by in situ rolling friction stir welding	Yongxian Huang*, Long Wan, Shixiong Lv, Huijie Liu, Jicai Feng	Materials and Design
21	Effect of Welding Speed on Microstructure and Mechanical Properties of Self-Reacting Friction Stir Welded 6061-T6 Aluminum Alloy	H. J. Liu, J. C. Hou, H. Guo	Materials and Design
22	Effect of deposition strategy on the microstructure and mechanical properties of Inconel 625 superalloy fabricated by pulsed plasma arc deposition	Fujia Xu, Yaohui Lv, Yuxin Liu, Fengyuan Shu, Peng He, Binshi Xu	Materials & Design
23	Diffusion bonding of ZrB ₂ -SiC and Nb using dynamic compressed Ni foam interlayer	W.Q. Yang, P. He, T.S. Lin, C.B. Song, R.S. Li, D.C. Jia	Materials Science & Engineering A
24	Influence of Zr Addition on TIG Welding-Brazing of Ti-6Al-4V to Al5A06	Shixiong Lv, Qinglong Cui, Yongxian Huang*, Xiaojun Jing	Materials Science & Engineering A
25	Interlayer design to control interfacial microstructure and improve mechanical properties of active brazed Invar/SiO ₂ -BN joint	Z. W. Yang, L. X. Zhang, Y. C. Chen, J. L. Qi, P. He, J. C. Feng	Materials Science and Engineering A
26	Microstructure and mechanical properties of active brazed SiO ₂ -BN ceramic modified by electron-beam evaporated Ti	Z. W. Yang, L. X. Zhang, W. Ren, Q. Xue, P. He, J. C. Feng	Materials Science and Engineering A
27	Microstructure and mechanical properties of laser welded	Z.L. Lei, Z.J. Dong, Y.B. Chen, L.	Materials Science and Engineering: A

	Ti-22Al-27Nb/TC4 dissimilar alloys	Huang, R.C. Zhu	
28	Pre-friction diffusion hybrid bonding of Zr55Cu30Ni5Al10 bulk metallic glass	H. Y. Chen, J. Cao, X. G. Song, G. D. Si, and J. C. Feng	Intermetallics
29	Microstructure evolution and mechanical properties of transient liquid phase (TLP) bonded joints of TiAl intermetallics	T.S. Lin, H.X. li, P. He, H.M. Wei, L. Li, J.C. Feng	Intermetallics
30	Effects of alloying elements in GH99 superalloy on microstructure evolution of reactive brazing TiAl/GH99 joints	H.X. li, H.M. Wei, P. He, T.S. Lin, J.C. Feng, Y.D. Huang	Intermetallics
31	Joint properties between carbon nanotube and gold at different energy levels from molecular dynamics	P. He, D. Xu, T.S. Lin, Z. Jiao	Computational Materials Science
32	Numerical simulation of beta to alpha phase transformation in heat affected zone during welding of TA15 alloy	K J Song, Y H Wei, Z B Dong	Computational Materials Science
33	Contributions of atomic diffusion and plastic deformation to the diffusion bonding of metallic glass to crystalline aluminum alloy	H. Y. Chen, J. Cao, J. K. Liu, X. G. Song, J. C. Feng	Computational Materials Science
34	Joining mechanism between Al ₂ O ₃ -Ag-Cu-Ti composite coating and GCr15 substrate	Langping Wang, Wei Jiang, Zhuo Yang, Xiaofeng Wang, Yang Lu, Wenquan Lv	Surface & Coatings Technology
35	Interface analysis of inorganic films on polyimide with atomic oxygen exposure	Yongxian Huang, Shixiong Lv, Xiubo Tian, Ricky K.Y. Fu, Paul K. Chu	Surface & Coatings Technology
36	Micrograph and structure of CrN films prepared by plasma immersion ion implantation and deposition using HPPMS plasma source	Wu Zhongzhen, Tian Xiubo, Gong Chunzhi, Yang Shiqin, Chu, Paul K.	Surface & Coatings Technology
37	Microstructure and surface properties of chromium-doped diamond-like carbon thin films fabricated by high power pulsed magnetron sputtering	Wu, Zhongzhen, Tian, Xiubo, Gui, Gang, Gong, Chunzhi, Yang, Shiqin, Chu, Paul K.	Applied Surface Science
38	Chemical state and phase structure of (TaNbTiW)N films prepared by combined magnetron sputtering and PBI	Feng Xingguo*, Tang Guangze, Sun Mingren, Ma Xinxin, Wang Liqin#	Applied Surface Science
39	Interface structure characterization of Fe36Ni alloy with ultrasonic soldering	Jinghui Wei, Binghui Deng, Xingqiang Gao, Jiuchun Yan, Xiaoguang Chen	Journal of Compounds and Alloys
40	Interfacial microstructure and strengthening mechanism of BN-doped metal brazed Ti/SiO ₂ -BN joints	Z. W. Yang, L. X. Zhang, W. Ren, M. Lei, J. C. Feng	Journal of the European Ceramic Society
41	Microstructural evolution and growth behavior of in situ TiB whisker array in ZrB ₂ -SiC/Ti6Al4V brazing joints	W.Q. Yang, T.S. Lin, P. He, M. Zhu, C.B. Song, D.C. Jia, J.C. Feng	Journal of the American Ceramic Society
42	Rapid determination of fatigue life based on temperature evolution	L. Zhang, X.S. Liu, S. H. Wu, Z. Q. Ma, H.Y. Fang	International Journal of Fatigue
43	Interfacial microstructure and mechanical properties of TiAl and C/SiC joint brazed with TiH ₂ -Ni-B brazing powder	Z. W. Yang, L. X. Zhang, X. Y. Tian, Y. Z. Liu, P. He, J. C. Feng	Materials Characterization
44	The influence of adhesive viscosity and elastic modulus on laser spot weld bonding process	Tao Wang, Yanan Ma, Yanbin Chen, Mingmao Wang	International Journal of Adhesion and Adhesives
45	Electron beam welding-brazing of hard alloy to steel with Ni-Fe intermediate	Guoqing Chen, Binggang Zhang, Zhenzhong Wu, Wei Mao, Jicai Feng	International Journal of Refractory Metals and Hard Material

46	Modeling of bead section profile and overlapping beads with experimental validation for robotic GMAW-based rapid manufacturing	Jun Xiong, Guangjun Zhang, Hongming Gao, Lin Wu	Robotics and Computer-Integrated Manufacturing
47	Effect of TiN coating on microstructure of Ti-f/Al composite	Z.X.Xiu,G.Q.Chen,M.Wang,M.urid Hussain#	Micron
48	Double-sided fiber laser beam welding process of T-joints for aluminum aircraft fuselage panels: Filler wire melting behavior, process stability, and their effects on porosity defects	Wang Tao, Zhibin Yang, Yanbin Chen, Liqun Li, Zhenguo Jiang, Yunlong Zhang	Optics & Laser Technology
49	Characteristics of multi-element (ZrTaNbTiW)N films prepared by magnetron sputtering and plasma based ion implantation	Feng, Xingguo*; Tang, Guangze; Ma, Xinxin; Sun, Mingren; Wang, Liqin#	Nuclear instruments and methods in physics research B
50	Effects of Ar ion irradiation on the diffusion bonding joints of Zr55Cu30Ni5Al10 bulk metallic glass to aluminum alloy	J. Cao, H. Y. Chen, X. G. Song, J. K. Liu, J. C. Feng	Journal of Non-Crystalline Solids
51	Effect of Micropores and Citric Acid on the Bioactivity of Phosphorylated Chitosan/Chitosan/Hydroxyapatite Composites	Bin Li, Longnan Huang, Xinbo Wang, Jinhuan Ma, Fang Xie, Long Xia	Ceramics International
52	Interface Behavior of Copper and Steel by Plasma-MIG Hybrid Arc Welding	Tao Yang,Hongming Gao,Shenghu Zhang, Lin Wu	Acta Metallurgica Sinica
53	Effect of brazing conditions on microstructure and mechanical properties of Al ₂ O ₃ /Ti-6Al-4V alloy joints reinforced by TiB whiskers	M.X. Yang, P. He, T.S. Lin	Journal of Materials Science & Technology
54	Microstructural Evolution and Mechanical Properties of Inconel 625 Alloy during Pulsed Plasma Arc Deposition Process	Xu, FJ; Lv, YH; Xu, BS; Liu, YX; Shu, FY; He, P	Journal of Materials Science & Technology
55	Active droplet oscillation excited by optimized waveform	J.Xiao, G.J.Zhang, S.J.Chen, L.Wu, Y.M.Zhang	Welding Journal
56	Arc Enhanced Laser Melt Injection WC Particles on Al Surface	Li Fuquan, Li Liqun, Chen Yanbin	Surface Engineering
57	Novel Design of Tool for Joining Hollow Extrusion by Friction Stir Welding	Yongxian Huang, Long Wan, Shixiong Lv, Jicai Feng	Science and Technology of Welding and Joining
58	Effects of Welding Speed on Microstructures and Mechanical Properties of AA2219-T6 Welded by the Reverse Dual-Rotation Friction Stir Welding	J. Q. Li, H. J. Liu	International Journal of Advanced Manufacturing Technolog
59	Design of Tool System for the External Non-Rotational Shoulder Assisted Friction Stir Welding and Its Experimental Validations on 2219-T6 Aluminum Alloy	J. Q. Li, H. J. Liu	International Journal of Advanced Manufacturing Technolog
60	Friction Stir Welding Characteristics of 2219-T6 Aluminum Alloy Assisted by External Non-Rotational Shoulder	H. J. Liu, J. Q. Li, W. J. Duan	International Journal of Advanced Manufacturing Technolog
61	Phase transformation and grain orientation of Cu-Sn intermetallic compounds during low temperature bonding process	Chunjin Hang, Yanhong Tian, Rui Zhang Dongsheng Yang	Journal of Materials Science: Materials in Electronics
62	Formation of AuSn _x IMCs in Sn _{3.5} Ag _{0.75} Cu micro-solder joints fabricated by laser and hot air reflow processes	Wei Liu; Yanhong Tian; Chunqing Wang; Lining Sun	Journal of Materials Science: Materials in Electronics
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63	alloy residual stress eliminating by ultrasonic residual stress measurement system	X S Liu, Z Q Ma, D C Han	Reviews on Advanced Materials Science
64	Effect of two kinds of welding wire on mechanical properties of copper joints	X S Liu, L Zhang, P Wang	Reviews on Advanced Materials Science
65	Research on characteristics of welding for Al/Ti dissimilar alloys with trailing ultrasonic	Shixiong Lv, Yongxian Huang, Tao Yang, Jingwei Shi and Xiaojun Jing	Reviews on Advanced Materials Science
66	Numerical simulation of temperature field and stress distributions in multi-pass single-layer weld-based rapid prototyping	H.H.Zhao, H.C.Li, G.J.Zhang, Z.Q.Yin and L.Wu	Reviews on Advanced Materials Science
67	Forecasting process parameters for GMAW-based rapid manufacturing using a closed-loop iteration based on neural network	Jun Xiong, Guangjun Zhang, Jianwen Hu, Yongzhe Li	International Journal of Advanced Manufacturing Technolog
68	Effects of welding positions on droplet transfer in CO ₂ laser-MAG hybrid welding	Y. B. Chen, J. C. Feng, L. Q. Li*, Y. Li, S. Chang	International Journal of Advanced Manufacturing Technolog
69	Combination Effects of Nocolok Flux with Ni Powder on Properties and Microstructures of Aluminum-Stainless Steel TIG Welding-Brazing Joint.	Huan He, Sanbao Lin*, Chunli Yang, Chenglei Fan and Zhe Chen.	Journal of Materials Engineering and Performance
70	Shallow Buried Defect Testing Method Based on Ultrasonic TOFD.	Chi Dazhao, Gang Tie	Journal of nondestructive evaluation
71	Low-temperature diffusion bonding of pure aluminum	H. Y. Chen, J. Cao, X. Y. Tian, R. Li, J. C. Feng	Applied Physics A-Materials Science and Processing
72	Thermoelectric Properties of Multifilled Skutterudites with La as the Main Filler	Huiyuan Geng, Takahiro Ochi, Shogo Suzuki, Masaaki Kikuchi, Satoru Ito and Junqing Guo	Journal of Electronic Materials
73	Online measurement of bead geometry in GMAW-based additive manufacturing using passive vision	Jun Xiong, Guangjun Zhang	Measurement Science and Technology
74	Acoustic Emission Behavior during Damage Evolution in Rolled Al-Zn-Mg Alloy and Its Weld	Ronghua Zhu, Tie Gang	Insight
75	Distinguishing stress concentration or cracking in ferromagnetic material using abnormal magnetic signals	C.L. Shi, P. He, S.Y. Dong, B.X. Xu	Materials Transactions
76	Morphology Characterization of Multi-Walled Carbon Nanotubes in Sn ₅₈ Bi/CNTs Composites	X.C. Lv, T.S. Lin J. Wang, J. An, P. He	Materials Transactions
77	Microstructure and mechanical properties of fiber laser-MAG hybrid weld of X80 pipeline steel	Lei Zhenglong, Tan Caiwang, Chen Yanbin, Sun Zhongshao	Transactions of the ASME- Journal of pressure vessel technology
78	Effects of Interpass Idle Time on Thermal Stresses in Multipass Multilayer Weld-Based Rapid Prototyping	Huihui Zhao, Guangjun Zhang, Ziqiang Zhang, Lin Wu	Journal of Manufacturing Science and Engineering- Transactions of the Same
79	Limited Sheath-Collision for Plasma Immersion Ion Implantation and Its Influence on Impact Energy and Dose Uniformity	Yang Lu, Langping Wang, and Xiaofeng Wang	IEEE Transactions on Plasma Science

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