

科学研究

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序号	论文名称	作者	刊物名称	年,卷,期,页	检索
1	Formation and Characterization of Femtosecond-Laser-Induced Subcluster Segregated Nanoalloys	Zhen. Jiao*, Mugunthan.Sivayoganathan#, Walter.W. Duley#, Peng. He, Y.Norman. Zhou#	The Journal of Physical Chemistry C	2014, 118, 24746−24751	SCI
2	An energy sustainability metric	Dusan P. Sekulic, Rahul Nehete#, Cheng-Nien Yu#,Hai Fu#	Energy	2014, 74: 37-44	SCI
3	The crystal orientation relation and macroscopic surface roughness in hetero-epitaxially grown graphene on Cu/mica	J L Qi, K Nagashio#, T Nishimura #and A Toriumi#	Nanotechnology	2014,25: 185602-1-7	SCI
4	Ultrarapid formation of homogeneous Cu6Sn5and Cu3Sn intermetallic compound joints at room temperature using ultrasonic waves	Zhuolin Li#, Mingyu Li, Yong Xiao#, Chunqing Wang	Ultrasonics Sonochemistry	2014,21(3): 924-929	SCI
5	Effects of Ba0.7Sr0.3TiO3-based buffer layers and La/Mn doping on the crystallization behavior and multiferroic properties of BiFeO3thin films	Bin Li*, Chunqing Wang, Guangbin Dou#, Zhenbin Wang#	RSC Advances	2014, 4: 55889-55896	SCI
6	Effect of catalyst film thickness on the structures of vertically-oriented few-layer graphene grown by PECVD	Jun Lei Qi, Fu Zhang*, Xu Wang*, Li Xia Zhang, Jian Cao and Ji Cai Feng	RSC Advances	2014, 4 (84): 44434-44441	SCI
7	Joining of SiO2-BN ceramic to Nb using CNT-reinforced brazing alloy	Jun Lei Qi, Jing Huang Lin*, Yu Han Wan*, Li Xia Zhang, Jian Cao, Ji Cai Feng	RSC Advances	2014,4: 64238-64243	SCI
8	One-dimensional nickel borate nanowhiskers: characterization, properties, and a novel application in materials bonding	Jian Cao, Yifeng Wang*, Xiaoguo Song#, Jicai Feng	RSC Advances	2014, 4,(3):19221-19225	SCI
9	Oxidation behavior of TiB-whisker-reinforced Ti60 alloy composites with three-dimensional network architecture	Haiting Hu*, Lujun Huang, Lin Geng*, Baoxi Liu*, Bo Wang*	Corrosion science	2014,85:7-14	SCI
10	Effect of hydrogen on diffusion bonding of TiAl-based intermetallics and Ni-based superalloy using hydrogenated Ti6Al4V interlayer	P. He, J. Wang*, T.S. Lin, H.X. L#.	International Journal of Hydrogen Energy	2014, 39(4): 1882-1887	SCI
11	Lattice thermal conductivity of nanograind half-Heusler solid solutions	Huiyuan Geng, Xianfu Meng*, Hao Zhang*, and Jian Zhang*	Applied Physics Letters	2014,104, 202104-1-5	SCI
12	Diffusion bonding of TiAl intermetallic and Ti3AlC2ceramic: Interfacial microstructure and joining properties	Cao jian, Liu jiakun*,Song xiaoguo, Lin xingtao*, Feng jicai	Materials and Design	2014,56: 115-121	SCI
13	Evaluation on diffusion bonded joints of TiAl alloy to Ti3SiC2ceramic with and without Ni interlayer: Interfacial microstructure and mechanical properties	Jiakun Liu*, Jian Cao, Xiaoguo Song#, Yifeng Wang*, Jicai Feng	Materials and Design	2014,57: 592-597	SCI
14	Effects of sleeve plunge depth on microstructures and mechanical properties of friction spot welded alclad 7B04-T74 aluminum alloy	Y. Q. Zhao*, H. J. Liu, S. X. Chen*, Z. Lin*, J.C.Hou*	Materials and Design	2014, 62: 40-46	SCI
15	Effect of self-support friction stir welding on microstructure and microhardness of 6082-T6 aluminum alloy joint	Long Wan*, Yongxian Huang, Zongliang Lv*, Shixiong Lv, Jicai Feng	Materials and Design	2014, 55: 197-203	SCI
16	Microstructure and surface mechanical property of AZ31 Mg/SiCpsurface composite fabricated by Direct Friction Stir Processing	Yongxian Huang, TianhaoWang*, Weiqiang Guo*, Long Wan*, Shixiong Lv	Materials and Design	2014, 59: 274-278	SCI
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17	Fractal analysis in particle dissolution: a review	He, Ting-an Zhang# and AnhV. Nguyen#	Engineering	2014,30(3): 261-287	SCI
18	Fabrication and superior ductility of laminated Ti-TiBw/Ti composited by dittusion welding	B.X.Liu*, L.J. Huang, L.Geng*, B.Wang*, C.Liu*, W.C.Zhang*	Journal of Alloys and Compounds	2014,602: 187-192	SCI
19	Cu nanoparticles of low polydispersity synthesized by a double-template method and their stability	Yujie Li*, Xiaofu Tang#, Yanteng Zhang#, Jin Li#, Chengbin Lv#, Xinling Meng#, Yilong Huan#g, Chunjin Hang#, Chunqing Wang	Colloid Polym Sci	2014,292: 715-722	SCI
20	Effects of post-weld heat treatment on microstructure and mechanical properties of TLP bonded Inconel718 superalloy	J. Cao , Y.F.Wang* , X.G.Song# , C.Li * , J.C.Feng ,	Materials Science & Engineering A	2014,590:1-6	SCI
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22	Effect of pure Ti thickness on the tensile behavior of laminated Ti-TiBw/Ti composites	B.X.Liu*, L.J. Huang, B.Wang#, L.Geng#,	Materials Science & Engineering A	2014,617:115-120	SCI
23	Ultrasound-induced equiaxial flower-like CuZn5/Al composite microstructure formation in Al/Zn-Al/Cu joint	Yong Xiao#, Hongjun Ji#, Mingyu Li, Jongmyung Kim#	Materials Science & Engineering A	2014,594: 135-139	SCI
24	Dynamic evolution of initial instability during non-steady-state growth	Zhibo Dong , Wenjian Zheng * , Yanhong Wei# and Kuijing Song.	Physical Review E.	2014, 89(6): 062403-1-8	SCI
25	Silver Nanowire Electrodes: Conductivity Improvement Without Post-treatment and Application in Capacitive Pressure Sensors	Jun Wang*, Jinting Jiu#, Teppei Araki#, Masaya Nogi#, Tohru Sugahara#, Shijo Nagao#, Hirotaka Koga#, Peng He, Katsuaki Sugauma#	Nano-Micro Letters	2014,14(11): DOI 10.1007/s40820-014-0018-0 页码不对	SCI
26	Synthesis and characterization of ultra-long and pencil-like copper nanowires with a penta-twinned structure by hydrothermal method	Zhi Jiang*, Yanhong Tian, SuDing*	Materials Letters	2014,136: 310-313	SCI
27	Deep crystallization induced high thermal conductivity of low-temperature sintered Ag nanoparticles	Hongjun Ji#, Shuai Wang#, Mingyu Li, Jongmyung Kim#	Materials Letters	2014,116: 219-222	SCI
28	Residual stress modeling of narrow gap welded joint of aluminum alloy by cold metal transferring procedure	Fengyuan Shu*, Yaohui Lv#, Yuxin Liu#, Fujia Xu#, Zhe Sun#, Peng He, Binshi Xu#	Construction and Building Materials	2014, 54: 224-235	SCI
29	Effects of phase separation on the thermoelectric properties of (Ti, Zr, Hf)NiSn half-Heusler alloys,	Huiyuan Geng and Hao Zhang*	Journal of Applied Physics	2014,116: 033708-1-7	SCI
30	Lattice thermal conductivity of filled skutterudites: An anharmonicity perspective	Huiyuan Geng, Xianfu Meng*, Hao Zhang*, and Jian Zhang*	Journal of Applied Physics	2014,116: 163503-1-5	SCI
31	Nanostructure evolution in joining of Al and Fe nanoparticles with femtosecond laser irradiation	Z. Jiao*, H. Huang#, L. Liu#, A. Hu#, W. Duley#, P. He, Y. Zhou #	Journal of Applied Physics	2014, 115(13): 134305-1-6	SCI
32	Solidification microstructure of SiC particulate reinforced Zn-Al composites under ultrasonic exposure	Zhiwu Xu, Lin Ma*, Jiuchun Yan, Wei Chen*, Shiqin Yang#	Materials Chemistry and Physics	2014, 148,(3): 824-832	SCI
33	Electroplating assisted diffusion bonding of ZrC-SiC composite for full ceramic joints	Changbao Song*, Peng He, Tiesong Lin, Hongmei Wei#, Weiqi Yang*	Ceramics International	2014, 40: 7613-7616.	SCI
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35	Microstructure evolution and its effect on the mechanical properties of the ZrC-SiC composite joint diffusion bonded with pure Ni foil	Changbao Song*, Tiesong Lin, Peng He, Weiqi. Yang*, Dechang Jia#, Jicai Feng	Ceramics International	2014, 40(1): 17-23	SCI
36	Interfacial reaction evolution of the ZrC ceramic joint diffusion bonded with Ni interlayer	Changbao Song*, Peng He, Tiesong Lin, Dechang Jia#	Ceramics International	2014, 40(8): 12999-13007	SCI
37	Microstructure and mechanical properties of ZrB2-SiC joints fabricated by contact-reactive brazing technique with Ti and Ni interlayers	Weiqi Yang*, Tiesong Lin, Peng He, Hongmei Wei#, Lili Xing#, Dechang Jia#	Ceramics International	2014, 40(5): 7253-7260	SCI
38	Grain refinement of HAZ in multi-pass welding	R. Ma*, K. Fang*, J.G. Yang#, X.S. Liu, H.Y. Fang#	Journal of Materials Processing Technology	2014 (214): 1131-1135	SCI
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40	Effects of ultrasonic irradiation and cooling rate on the solidification microstructure of Sn _{3.0} Ag _{0.5} Cu alloy	Hongjun Ji#, Qiang Wang#, Mingyu Li, Chunqing Wang	Journal of Materials Processing Technology	2014,214(1): 13-20	SCI
41	Evolution of the bulk microstructure in 1100 aluminum builds fabricated by ultrasonic metal welding	Hongjun Ji#, Junzhao Wang*, Mingyu Li	Journal of Materials Processing Technology	2014,214(2): 175-182	SCI
42	Effects of oxygen on growth of carbon nanotubes prospered by PECVD	J.L. Qi, L.X. Zhang, J. Cao, J.C. Feng	Materials Research Bulletin	2014,49: 66-70	SCI
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46	Molecular dynamics simulation of linear friction welding between dissimilar Ti-based alloys	Changbao Song*, Tiesong Lin, Peng He, Zhen Jiao*, Jun Tao#, Yajuan #	Computational Materials Science	2014, 83:35-38	SCI
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51	Droplet Rebounded Spatter in Dry Hyperbaric Gas Metal Arc Welding Process	Li Kai*, Gao Hongming, Li Haichao, Gong Shan*	International Journal of Advanced Manufacturing Technology	2014,74: 693-698	SCI
52	Influences of Rotation Speed on Microstructures and Mechanical Properties of 6061-T6 Aluminum Alloy Joints Fabricated by Self-Reacting Friction Stir Welding Tool	J. C. Hou#, H. J. Liu, Y. Q. Zhao*	International Journal of Advanced Manufacturing Technology	2014, 73(5-8): 1073-1079	SCI
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54	Ultrafine-Grain and Isotropic Cu/SAC305/Cu Solder Interconnects Fabricated by High-Intensity Ultrasound-Assisted Solidification	Hongjun Ji#, Qiang Wang#, Mingyu Li, Chunqing Wang	Journal of Electronic Materials	2014,43(7): 2467-2478	SCI
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73	Effect of AG Nanopowders on Microstructure, Hardness and Elastic Modulus of Sn-Bi Solders	X.C. Lv*, P. He, B. Du#, F.J. Lu*, Y.Y. Qian#	Engineering Review	2014, 34(2): 63-68	SCI
74	Microstructure and corrosion resistance of vanadium films deposited at different target-substrate distance by HPPMS	Chun-Wei Li#, Xiu-Bo Tian, Tian-Wei Liu#, Jian-Wei Qin#, Chun-Zhi Gong	Rare Metals	2014, 33(5): 587-593	SCI
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76	Texture of Friction Stir Welded Ti-6Al-4V Alloy	Li Zhou*, Huijie Liu, Linzhi Wu#	Trans. Nonferrous Met. Soc. China	2014, 24(2): 368-372	SCI
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