Curriculum Vitae

School of Materials Science
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Field of Research

1. Advanced Welding Technology of Vehicles and Locomotives(Laser hybrid welding, MIG welding)
2. Residual Stress and Deformation of Vehicles and Locomotives
3. Coatings Technology for Vehicles and railroad parts(Tamping parts, Milling Cutters, Thermal Spraying)

Published Papers

1.Guoqing Gou, Nan Huang* , Hui Chen, Hongmei Liu, Aiqin Tian and Zhicheng Guo. Research on corrosion behavior of A6N01S-T5 aluminum alloy welded joint for high-speed trains. Journal of Mechanical Science and Technology. Volume 26，period 5，page 1471 -1476，2012.

2.Guoqing Gou ,Da Li, Nan Huang*, Yan Liu, Hui Chen ,Lichun Meng. Research on the wear properties of HVOF sprayed nanostructured WC-17Co coatings. Advanced Materials Research. Period 430-432, page 251-255, 2012.

3. Guoqing Gou, Nan Huang*, Hui Chen, Da Li, Yan Liu, Hua Ji, Yonghui Zhu, Guiguo Wang, Jinpeng Yu. Formation mechanism of nanostructure of HVOF sprayed nanostructured WC-17Cocoating.Advanced Materials Research. Period 314-316, page 279-283 ,2011.

4. Guoqing Gou, Nan Huang*, Hui Chen,Da Li, Yan Liu, Hua Ji. Research on the mechanical properties and residual stress of HVOF sprayed nanostructured WC-17Co coatings. Advanced Materials Research. Period 291-294, page 88-96, 2011.

5. GOU Guo-qing, HUANG Nan*, CHEN Hui, MENG Li-chun, WU Pei-pei. Research on Stress Corrosion Behavior of A7N01S-T5 Aluminum Alloy for High speed Train. Journal of Materials Science and Technology. Volume 20，period 4，page 134 -139，2012.(In Chinese)

6. GOU Guo-qing, HUANG Nan*, CHEN Hui,TIAN Ai-qin.Detection of Residual Stress in Aluminum Alloy Carbody of High-speed Train Using X-ray Diffraction Technology. Journal of Southwest Jiatong University. Volume 47，period 4，page 618-622，2012.(In Chinese)

7. GOU Guo-qing, HUANG Nan*, CHEN Hui, MENG Li-chun. Research on Corrosion Behavior of Welded Jointof A7N01S-T5 Aluminum Alloy for High-speed Train. Transactions of the China

Welding Institution. Volume 32， period 10， page 17 -20,2011.(In Chinese)

8.Chen Hui ， Gou Guoqing , Tu Mingjing*, Liu Yan. Research on the Friction and Wear Behavior at Elevated Temperature of Plasma-Sprayed Nanostructured WC-Co Coatings. Journal of Materials Engineering and Performance. Volume 19, period 1, page 1-6, 2010.

9.Chen Hui ,Gou Guoqing, Tu Mingjing*,Liu Yan. Characteristics of nano particles and their effect on the formation of nanostructures in air plasma spraying WC-17Co coating. Surface and Coatings Technology, Volume 203, period 13, page 1785 -1789, 2009.

10.Hua Ji,Guoqing Gou, Hui Chen*, Da Li,Chuanping Ma,Aiqin Tian,Zhicheng Guo. Residual Stress Characterization of A7N01S-T5 Welds for High Speed Train by X-ray Diffraction and Verification. Advanced Materials Research. Period 291-294, page 896-900,2011.

11.Xiaomin Wang,Guoqing Gou*, Junjing Zhao, Yan Liu. Study on the Intergranular Corrosion Behavior of Welding Joint of A7N01-T4 Al-Alloy for High-speed Train. Advanced Materials Research. Period 284-286, page 1594-1597, 2011.

12. Yan Liu， Hui Chen*， Guoqing Gou, Mingjing Tu. Research on dynamic wear behavior at elevated temperature of HVOF sprayed nanostructured WC-17Co coating. Journal of Physics: Conference Series. Volume 240, period 1, page 1785 -1789, 2010.

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