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### 【在研科研项目】

1. 国家自然科学基金, 纳米润滑粒子与轧制变形表面交互作用及模型研究(51274037), 2012年-2016年
2. 国家自然科学基金, 基于分子动力学研究铜轧制润滑缓蚀剂吸附与屏蔽协同效应(51474025), 2014年-2018年
3. 中国石油化工股份有限公司, 压延铜箔轧制油的研制, 2012年-2015年

### 【代表性学术论文】

1. S. Xiong, J. Sun, et al. Effect of Lubricants and Annealing Treatment on the Electrical Conductivity and Microstructure of Rolled Copper Foil[J]. Journal of Electronic Materials, 2015,44(7): 2432-2439.
2. Jianlin Sun, Nana Liu, et al. Research of oil film thickness model and surface quality in cold-rolling copper foil [J]. Lubrication Science,2014, 26(2):95-106.
3. Jianlin Sun , Yi Meirong and Sun Qiao. Experimental Investigation of the Relationship Between Lubricants'Tribological Properties and Their Lubricating Performances in Cold Rolling [J]. J. of Tribology, 2014, 136(3), 034 502.
4. Jianlin Sun, Huang Ying and Mingyu Lu. Optimize aluminum's surface roughness in rolling lubrication process [J]. Industrial Lubrication and Tribology, 2013,65(3): 175-180.
5. Sun Jianlin, Meirong Yi, et al. Research of black spot defects on cold rolled strip surface[M].9th International Rolling Conference & 6th European Rolling Conference, 2013, 6, Italy .



**SUN JIANLIN**, the professor of School of Materials of Science and Engineering of USTB, received his B.E. in materials from National Defense University of Technology in 1985, and M.E. and Ph.D. in Metal-Forming from Central South University of Technology, in 1994 and 1998. As a Senior Visiting Scholar, He worked in University of Texas at Arlington in USA in 2007. His recent research interest is friction, lubrication and wear in metal-forming and Nano lubrication.

### **【Publications】**

1. S. Xiong, J. Sun, et al. Effect of Lubricants and Annealing Treatment on the Electrical Conductivity and Microstructure of Rolled Copper Foil[J]. Journal of Electronic Materials, 2015,44(7): 2432-2439.
2. Jianlin Sun, Nana liu, et al. Research of oil film thickness model and surface quality in cold-rolling copper foil [J]. Lubrication Science. 2014, 26(2):95-106.
3. Jianlin Sun, Yi Meirong and Sun Qiao. Experimental Investigation of the Relationship Between Lubricants' Tribological Properties and Their Lubricating Performances in Cold Rolling [J]. J. of Tribology, 2014, 136(3), 034-502.
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5. Sun Jianlin, Meirong Yi, et al. Research of black spot defects on cold rolled strip surface [M]., 9th International Rolling Conference & 6th European Rolling Conference, 2013, 6, Italy .