

Xinghui Liu

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EDUCATION

2008.8 - Present	Ph.D	Mechanical Engineering, University of Colorado at Boulder
2005.9 - 2008.7	M.S	Material Processing Engineering, Shaanxi Univ of Sci & Tech
2001.9 - 2005.7	B.E	Material Processing Engineering, Shaanxi Univ of Sci & Tech

RESEARCH

- Ionic Transport across Graphene.
My current research is to study ionic transport across grapheme. Single, suspended, isolated graphene sheets will be fabricated and then heat treatment used to poke holes in them. An ionic solution will be placed on both sides of the graphene membrane and a voltage will drive ions through these atomic pores.
- Production of Metal Powder by Ultrasonic Atomization (Sponsored by Natural Science Foundation in Shaanxi Province - 2005E212)
Designing a novel kind of gas atomization device and optimizing its processing parameters;
Computational fluid dynamic analysis of ultrasonic gas atomization;

PUBLICATION

- Liu Xinghui, Dang Xin'an. Optimization of technological parameters in two-fluid gas atomization. Rare Metals and Cemented Carbides, Vol 38, 2007;
- Dang Xin'an, Liu Xinghui. Developments of ultrasonic atomization technology for metal powder production. Nonferrous Metals, 2009, In Press;
- Dang Xin'an, Liu Xinghui, etc. Apparatus and Method for producing Ultra fine metal powder. Chinese Patent, No. CN1911570, 2007,

SCHOLARSHIP & AWARDS

12/2002	2nd prize of National Scholarship
10/2003	1st prize of National College English Contest
12/2003	1st prize Renmin Scholarship
12/2003	1st prize Shiyong Mechanical Scholarship
12/2004	2nd prize Renmin Scholarship
06/2005	1st prize Renming Scholarship
06/2005	1st prize of Graduate Design at Shaanxi Univ of Science & Technology
06/2005	1st Prize of Excellent Graduate at Shaanxi Univ of Science & Technology