

吴昆

工学博士

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主要研究方向

镁合金以及镁基复合材料研究，在镁基材料的制备工艺、组织与性能、时效工艺、界面相研究、压缩变形行为以及超塑性研究、阻尼特性、摩擦磨损行为等方面进行了系统的研究。

社会兼职

中国复合材料学会常务理事

主要学术成果

1. 吴昆, 郑明毅, 胡小石, 王晓军, 王艳秋. 非连续增强镁基复合材料的基础理论研究. 黑龙江省科学技术二等奖. 2009 年.
2. W.M. Gan, **K. Wu**, M.Y. Zheng, X.J. Wang, H. Chang, H.-G. Brokmeier, Microstructure and mechanical property of the ECAPed Mg₂Si/Mg composite. *Materials Science and Engineering: A*. Volume 516, Issues 1-2, 15 August 2009, Pages 283-289
3. X.S. Hu, **K. Wu**, M.Y. Zheng, W.M. Gan, X.J. Wang, Low frequency damping capacities and mechanical properties of Mg-Si alloys. *Materials Science and Engineering: A*, Volumes 452-453, 15 April 2007, Pages 374-379
4. **K. Wu**, Y.Q. Wang, M.Y. Zheng, Effects of microarc oxidation surface treatment on the mechanical properties of Mg alloy and Mg matrix composites. *Materials Science and Engineering: A*, Volume 447, Issues 1-2, 25 February 2007, Pages 227-232
5. H. Chang, M.Y. Zheng, W.M. Gan, K. Wu, E. Maawad, H.G. Brokmeier, Texture evolution of the Mg/Al laminated composite fabricated by the accumulative roll bonding. *Scripta Materialia*, Volume 61, Issue 7, October 2009, Pages 717-720
6. X.S. Hu, **K. Wu**, M.Y. Zheng, Effect of heat treatment on the stability of damping capacity in hypoeutectic Mg-Si alloy. *Scripta Materialia*, Volume 54, Issue 9, May 2006, Pages 1639-1643
7. X.S. Hu, Y.K. Zhang, M.Y. Zheng, **K. Wu**, A study of damping capacities in pure Mg and Mg-Ni alloys. *Scripta Materialia*, Volume 52, Issue 11, June 2005, Pages 1141-1145
8. **K. Wu**, H. Chang, E. Maawad, W.M. Gan, H.G. Brokmeier, M.Y. Zheng, Microstructure and mechanical properties of the Mg/Al laminated composite fabricated by accumulative roll bonding (ARB). *Materials Science and Engineering: A*, Volume 527, Issues 13-14, 25 May 2010, Pages 3073-3078
9. X.J. Wang, X.S. Hu, **K. Wu**, K.K. Deng, W.M. Gan, C.Y. Wang, M.Y. Zheng, Hot deformation behavior of SiCp/AZ91 magnesium matrix composite fabricated by stir casting. *Materials Science and Engineering: A*, Volume 492, Issues 1-2, 25 September 2008, Pages 481-485
10. Y.Q. Wang, **K. Wu**, M.Y. Zheng, Effects of reinforcement phases in magnesium matrix composites on microarc discharge behavior and characteristics of microarc oxidation coatings. *Surface and Coatings Technology*, Volume 201, Issues 1-2, 12 September 2006, Pages 353-360
11. L.B. Tong, M.Y. Zheng, H. Chang, X.S. Hu, **K. Wu**, S.W. Xu, S. Kamado, Y. Kojima, Microstructure and mechanical properties of Mg-Zn-Ca alloy processed by equal channel angular pressing. *Materials Science and Engineering: A*, Volume 523, Issues 1-2, 15 October 2009, Pages 289-294
12. 郑明毅, 乔晓光, 吴昆. 高强韧高阻尼变形镁合金的制备方法. 申请号: 200610010326.8