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主要研究方向

- (1) 非连续增强铝基复合材料；
- (2) 反应自生钛基复合材料；
- (3) 钛铝基复合材料

社会兼职

- (1) 中国材料研究学会理事
- (2) 中国材料研究学会青年委员会常务理事兼副秘书长
- (3) 中国复合材料学会理事
- (4) 黑龙江省复合材料学会副理事长
- (5) 《复合材料学报》副主编

主要学术成果

1. Huang LJ, **Geng L**, In situ TiBw/Ti-6Al-4V composites with novel reinforcement architecture fabricated by reaction hot pressing, SCRIPTA MATERIALIA, v60 (11) : 996-999 JUN 2009 (IF:2.887)
2. Fan GH, **Geng L**, Zheng ZZ, Wang GS, The effect of an interfacial layer containing nanosized Pb particles on the damping behavior in Al18B4O33/Al composite, SCRIPTA MATERIALIA 59 (5): 534-537 SEP 2008 (IF:2.887)
3. Qu SJ, Feng AH, **Geng L**, Ma ZY, Han JC, DSC analysis of liquid volume fraction and compressive behavior of the semi-solid Si(3)N(4)w/Al-Si composite, SCRIPTA MATERIALIA 56 (11) 2007: 951-954. (IF:2.887)
4. Xie GM, Ma ZY, **Geng L**, Development of a fine-grained microstructure and the properties of a nugget zone in friction stir welded pure copper Scripta Materialia 2007, 57 (2): 73-76 (IF:2.887)
5. Ni DR, **Geng L**, Zhang J, Zheng ZZ, Effect of B4C particle size on microstructure of in situ titanium matrix composites prepared by reactive processing of Ti-B4C system. SCRIPTA MATERIALIA 55 (5), 2006: 429-432. (IF:2.887)
6. S.C. Tjong, G.S. Wang, **L. GENG**, Y.W. Mai, Cyclic deformation behavior of in situ aluminum-matrix composites of the system Al-Al₃Ti-TiB₂-Al₂O₃, Composites Science and Technology, 64, 2004: 1971-1980. (IF:2.533)
7. Cao GJ, **Geng L**, Naka M, Elastic properties of titanium monoboride measured by nanoindentation. JOURNAL OF THE AMERICAN CERAMIC SOCIETY 89 (12), 2006: 3836-3838. (IF :2.101)
8. **Geng L**, Zhang J, Meng QC, Yao CK, Side-surface structure of a commercial beta-silicon carbide whisker, JOURNAL OF THE AMERICAN CERAMIC SOCIETY 85 (11) 2002: 2864-2866. (IF :2.101)
9. Cao GJ, **Geng L**, Zheng ZZ, Naka M, The oxidation of nanocrystalline Ni₃Al fabricated by mechanical alloying and spark plasma sintering Intermetallics 2007, 15 (12): 1672-1677 (IF:2.034)
10. Meng QW, **Geng L**, Zhang BY, Laser cladding of Ni-base composite coatings onto Ti-6Al-4V substrates with pre-placed B4C+NiCrBSi powders. SURFACE & COATINGS TECHNOLOGY 200 (16-17), 2006 :4923-4928. (IF:1.860)
11. **L. Geng**, Y.C. Feng, Z.Z. Zheng, J. Zhang, Q.W. Wang. Effects of heat-treatment on microstructures and mechanical properties of WO₃ particle and Al18B4O33 whisker hybrid reinforced Al matrix composites by squeeze casting. MATERIALS SCIENCE AND ENGINEERING A . 2009, 506: 34-38. (IF:1.806)
12. Fan GH, **Geng L**, Zheng ZZ, Wang GS, Feng YC, Hot extrusion deformation behavior of BaPbO3/2024Al composite containing a small volume of liquid phase. MATERIALS SCIENCE AND ENGINEERING A 496 (1-2): 281-284 NOV 2008 (IF:1.806)