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主要研究方向

1、新材料、特种材料激光焊接与连接
2、激光加工过程数值模拟
3、激光快速成型技术

社会兼职

中国光学学会激光加工专业委员会委员

主要学术成果

1. **Liqun Li,** Dejian Liu , Yanbin Chen, et al.. Electron microscopy study of reaction layers between single-crystal WC particle and Ti–6Al–4V after laser melt injection[J].Acta Materialia ,2009,57: 3606~3614 （SCI，影响因子 3.76）
2. Dejian Liu, Yanbin chen, **Liqun Li** and Fuquan Li. In situ investigation of fracture behavior in monocrystalline WCp-reinforced Ti-6Al-4V metal matrix composites produced by laser melt injection[J]. Scripta Materialia , 2008, 59: 91~94（SCI，影响因子 2.949）
3. Shuhai Chen, **Liqun Li**, Yanbin Chen, et al..Joining mechanism of Ti/Al dissimilar alloys during laser welding-brazing process[J]. Journal of Alloys and Compounds, 2011,509(3):891~898 （SCI，影响因子 2.135）
4. Yanbin Chen, Dejian Liu, **Liqun Li,** Fuquan Li. Microstructure evolution of single crystal WC_p reinforced Ti–6Al–4V metal matrix composites produced at different cooling rates. Journal of Alloys and Compounds[J], 2009, 484(1-2): 108–112 （SCI，影响因子 2.135）
5. Dejian Liu, **Liqun Li**, Fuquan Li,et al..WC_p/Fe metal matrix composites produced by laser melt injection[J]. Surface & Coating Technology, 2008,202: 1771~1777 （影响因子 1.793）
6. Yanbin Chen, Shuhai Chen, **Liqun Li.** Influence of interfacial reaction layer morphologies on crack initiation and propagation in Ti/Al joint by laser welding-brazing[J]. Materials and Design，2010,31：227-233（影响因子 1.518）
7. W.Tao, **L.Q.Li,** Y.B.Chen, L.Wu. Joint strength and failure mechanism of laser spot weld of mild steel sheets umder lap shear loading[J]. Science and Technology of Welding and Joining. 2008,13(8): 754-759（影响因子 1.372）
8. Y. B. Chen, Y. G. Miao, **L.Q. Li,** L. Wu.. Arc characteristics of laser-TIG double-side welding [J]. Science and Technology of Welding and Joining. 2008,13(5): 438-444 （影响因子 1.372）
9. Chen Yanbin, Lei Zhenglong, **Li Liqun**, Wu Lin. Experimental study on welding characteristics of CO_2 laser-TIG hybrid welding process[J]. Science and Technology of Welding and Joining. 2006, 11(4): 403~411（影响因子 1.372）
10. Chen yanbin, Chen shuhai, **Li liqun**. Effects of heat input on microstructure and mechanical property of Al/Ti joints by rectangular spot laser welding-brazing method [J]. International Journal of Advanced Manufacturing Technology. 2009, 44(3-4): 265-272（影响因子 1.128）