

2011 Publications

External User:

1. **Achermann, M.**, L. Balet, **J. Hollingsworth**, S. Jeong, **G. Montaño** (2011). "Efficient quantum dot-quantum-quantum dot-dye energy transfer in biotemplated assemblies." ACS Nano **5** (3): 1761-1768.
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3. Arikawa, T., X. Wang, D. Hilton, **J. L. Reno**, **J. Kono**, W. Pan (2011). "Quantum control of a Landau-quantized two-dimensional electron gas in a GaAs quantum well using coherent terahertz pulses." Physical Review B **84**, 241307
4. Baber, S., S. Baily, E. Bauer, Z. Bi, A. Burrell, **L. Civale**, S. Deng, **N. Haberkorn**, M. Hawley, **Q. Jia**, Q. Lin, **H. Luo**, T. McCleskey, H. Wang, **H. Yang**, S. Zollner, G. Zou (2011). "Magnetic properties of self-assembled epitaxial nanocomposite CoFe₂O₄:SrTiO₃ and CoFe₂O₄:MgO films" Journal of Physical Chemistry C **115**, 25338
5. Bellou, A., **D. Bahr**, **A. Misra**, C. Overman, H. Zbib (2011). "Strength and strain hardening behavior of Cu based bilayers and trilayers." Scripta Materialia, **64**, 641-644
6. Bi, Z., A. Chen, **Q. Jia**, **H. Luo**, **J. MacManus-Driscoll**, H. Wang, E. Weal (2011) "Microstructure and magnetic properties of (La_{0.7}Sr_{0.3}MnO₃)_{0.7}(Mn₃O₄)_{0.3} nanocomposite thin films." Journal of Applied Physics **109**, 054302
7. **Boyce, B.**, **H. Padilla** (2011) "Anomalous Fatigue Behavior and Fatigue-Induced Grain Growth in Nanocrystalline Nickel Alloys." The Minerals, Metals, and Materials Society and ASM International Vol. **42** Number 7, 1793-1804
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9. Bryant, H., **N. Adolphi**, D. Fegan, **E. Flynn**, **D. Huber**, T. Monson, T. Tessier (2011). "Magnetic properties of nanoparticles useful for SQUID relaxometry in biomedical applications." Journal of Magnetism and Magnetic Materials, **323(6)**: P. 767-774

10. Burghoff, D., D. Ban, **Q. Hu**, T. Kao, A. Lee, **J. Reno** (2011). "A terahertz pulse emitter monolithically integrated with a quantum cascade laser." Applied Physics Letters, **98**, 061112
11. Chapler, B., D. Awschalom, **D. Basov**, **K. Burch**, **A. Dattelbaum**, A. Frenzel, S. Mack, R. Myers, B. Pursley, N. Samarth, E. Singley (2011). "On Magnetism and the insulator-to-metal transition in p-doped GaAs." Physical Review B, **84**, 081203.
12. Chen, L., Z. Bi, H. Hazariwala, **Q. Jia**, **J. MacManus-Driscoll**, Q. Su, **H. Wang**, **X. Zhang** (2011). "Microstructure, magnetic, and low-field magnetotransport properties of self-assembled $(\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3)_{0.5}:(\text{CeO}_2)_{0.5}$ vertically aligned nanocomposite thin films." Nanotechnology **22**, 315712
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