

2011 CINT Publications

(2011 — 230 Publications)

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.
2. Ahirwar, P., Clark, S., Jaekel, F., Hains, C., Albrecht, A., Schjetnan, P., Rotter, T.J., Dawson, L.R., Balakrishnan, G., Phinney, L., Hopkins, P.E., Hader, J., Moloney, J.V., "Growth and Thermal Conductivity Analysis of Poly-Crystalline GaAs on CVD Diamond for use in Thermal Management of High-Power Semiconductor Lasers," *Journal of Vacuum Science and Technology B* 29, 03C130 (2011).
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  $\text{CoFe}_2\text{O}_4:\text{SrTiO}_3$  and  $\text{CoFe}_2\text{O}_4:\text{MgO}$  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  $(\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3)_{0.7}:(\text{Mn}_3\text{O}_4)_{0.3}$  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
8. Bringa, E., F. Abraham, A. Caro, M. Duchaineau, D. Farkas, A. Misra, J. Monk, M. Nastasi, S. Picraux, Y. Wang, L. Zepeda-Ruiz (2011). "Are Nanoporous Materials Radiation Resistant?" *Nano Letters* 9 June 10.1021.
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
13. Chen, L., Z. Bi, Q. Jia, J. Lee, J. Macmanus-Driscoll, Q. Su, C. Tsai, H. Wang, X. Zhang (2011) "Tunable Low-Field Magnetoresistance in  $(\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3):(\text{ZnO})_{0.5}$  Self-Assembled Vertically Aligned Nanocomposite Thin Films." *Advanced Functional Materials* 21, 2423-2429
14. Talbayev, D., S. Cheong, S. Lee, A.T Aylor, S. Trugman, H. Yi (2011). "Long Wavelength Magnetic and Magnetoelectric Excitations in the Ferroelectric Antiferromagnet  $\text{BiFeO}_3$ " *Physical Review B*, 094403
15. Choi, E.M., Z. Bi, M. Blamire, Q. Jia, J. Macmanus-Driscoll, S. Patnaik, S. Sahonta, E. Weal, H. Wang, J. Xiong (2011). "Strong Room Temperature Magnetism in Highly Resistive Strained Thin Films of  $\text{BiFe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ ," *Applied Physics Letters* 98, 012509
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17. Crochet, J., J. Duque, S. Doorn, J. Sau, M. Cohen (2011). "Electrodynamic and Excitonic Inter-Tube Interactions in Semiconducting Carbon Nanotube Aggregates." *ACS Nano*, 5, 2611. (Cited: 2)
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29. Ganguly, K., P. Goodwin, R. Iyer, M. Ollivault-Shiflett, L. Silks, R. Wu (2011). "Design, Synthesis, and a Novel Application of Quorum-Sensing Agonists as Potential Drug-Delivery Vehicles." *Journal of Drug Targeting*, Vol. 19, Issue 7.
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