

Arnold Moodenbaugh

Recent Nanoscience-related publications

"Nucleation and Growth of $\text{YBa}_2\text{Cu}_3\text{O}_x$ on SrTiO_3 and CeO_2 by a BaF_2 Postdeposition Reaction Process", L. Wu, Y. Zhu, V. F. Solovyov, H. J. Wiesmann, A. R. Moodenbaugh, R. L. Sabatini, and M. Suenaga, *J. Mater. Res.* 16, 2869-2884, (Oct.) 2001.

"Local Structure in the Stripe Phase of $\text{La}_{1.6-x}\text{Sr}_x\text{Nd}_{0.4}\text{CuO}_4$ ", S.-W. Han, D. Haskel, E. A. Stern, and A. R. Moodenbaugh, , *Phys. Rev. B* 66, 094101-1-11, (Sep.) 2002.

"Microstructure of Superconducting MgB_2 ", Y. Zhu, Q. Li, L. Wu, V. Volkov, G. Gu, and A. R. Moodenbaugh, pp. 423-442, in: Studies of High Temperature Superconductors: Advances in Research and Applications V. 38, A. V. Narlikar, Ed., (Nova, Huntington, NY, 2002).

"Formation of SEI on Cycled Lithium-Ion Battery Cathodes: Soft X-ray Absorption Study", M. Balasubramanian, H. S. Lee, X. Sun, X. Q. Yang, A. R. Moodenbaugh, J. McBreen, D. A. Fischer, and Z. FuElectrochemical and Solid State Lett. 5, A22-A25, (Jan.) 2002.

Complete Publication List

1. W. A. Fertig, A. R. Moodenbaugh, and M. B. Maple, "Pressure Dependence of the Superconducting Transition Temperature of Thorium", *Phys. Lett.* 38A, 1972, 517.
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6. A. R. Moodenbaugh, D. C. Johnston, and R. Viswanathan, "Superconductivity in Two NaCl Structure Compounds: $\square\text{-ZrP}$ and ScS_{1+x} ", *Mater. Res. Bull.* 5, 1974, 1671.

7. R. N. Shelton, A. R. Moodenbaugh, P. D. Dernier, and B. T. Matthias, "The Effect of Pressure on the Superconducting and Crystallographic Transitions of La_3S_4 , La_3Se_4 , and La_3Te_4 ", Mater. Res. Bull. 10, 1975, 1110.
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9. R. N. Shelton and A. R. Moodenbaugh, "Search for Superconductivity at High Pressures in Eu, EuMo_6S_8 , and EuMo_6Se_8 ", Phys. Rev. B 24, 1981, 2863.
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15. J. M. Tranquada, S. M. Heald, A. R. Moodenbaugh, and M. Suenaga, "X-ray Absorption Studies of $\text{La}_{2-x}(\text{Ba},\text{Sr})_x\text{CuO}_4$ Superconductors", Phys. Rev. 35, 1987, 7187.
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