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Journal of Vacuum Science & Technology B | 2nd Series | Volume 32, Number 4 | July/August 2014

Nanotechnology and Microelectronics: Materials, Processing, Measurement, and Phenomena

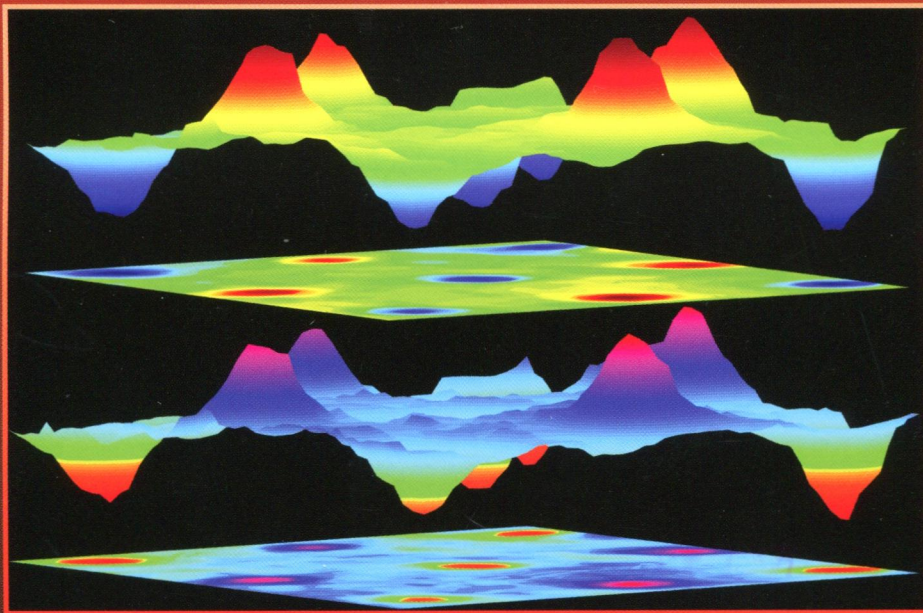


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Review Articles:

Role of Molybdenum Oxide for Organic Electronics: Surface Analytical Studies

-by Chenggong Wang, Irfan Irfan, Xiaoliang Liu and Yongli Gao

Access Devices for 3D Crosspoint Memory

-by Geoffrey W. Burr, Rohit S. Shenoy, Kumar Virwani, Pritish Narayanan, Alvaro Padilla, Bülent Kurdi and Hyunsang Hwang

Papers from the 41st Conference on the Physics and Chemistry of Surfaces and Interfaces



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Second Series
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Journal of Vacuum Science & Technology A (ISSN: 0734-2101) is published six times annually (Jan/Feb, Mar/Apr, May/Jun, Jul/Aug, Sep/Oct, Nov/Dec) by AVS through AIP Publishing LLC, Suite 300, 1305 Walt Whitman Road, Melville, New York 11747-4300. POSTMASTER: Send address changes to *Journal of Vacuum Science & Technology A*, Membership Services, AVS, 125 Maiden Lane, 15th Floor, New York, NY 10038, membership@avs.org www.avs.org. Periodicals postage paid at Huntington Station, NY 11746, and at additional mailing offices.

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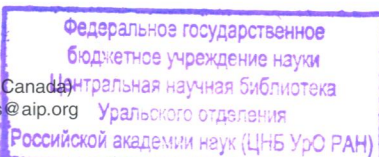
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[J. Vac. Sci. Technol. B 31, 03C125 (2013)]

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On The Cover: William D. Rice, Palak Ambwani, Joe D. Thompson, Christopher Leighton, and Scott A. Crooker, *JVST B* **32**(4), p. 04E102-1 (2014). Cover shows a pattern of nine magnetic dots that were optically written into SrTiO_{3-δ} – a nominally nonmagnetic material – using circularly polarized light. Adjacent dots have opposite magnetic moment. The 250 μm × 250 μm pattern was optically detected using magnetic circular dichroism imaging. The persistent optically-induced magnetization holds promise for optically-addressable memory components in an archetypal complex oxide material.