



Curriculum Vitae

➤ Personal Information

Name: Zhibo YAN
Gender: Male
Birthday: Feb. 08, 1980
Citizenship: Chinese
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➤ Education

2006.9-2011.5 Department of Physics, Nanjing University, China
Ph.D. student in condensed matter physics

1998.9-2002.7 Department of Physics, Fuzhou University, China
B.S. student in applied physics

➤ Employment

2014.7-present Associate professor, School of Physics, Nanjing University
2011.6-2014.6 Postdoctoral Research Associate, School of Physics, Nanjing University
2002.8-2006.7 Laboratory Assistant, Department of Physics, Zhangzhou Normal University

➤ Honors

2014 Excellent postdoctor, Nanjing University
2011 Excellent postgraduate, Nanjing University
2010 AMD scholarship, Nanjing University

➤ Research Interests

Perovskite oxides based colossal magnetoresistance, memristor, and multiferroelectricity

➤ Publications

- 1) Temperature-dependent and polarization-tuned resistive switching in Au/BiFeO₃/SrRuO₃ junctions
B. Lin, **Z. B. Yan**, X.B. Lu, Z.X. Lu, M. Zeng, Y. Chen, X.S. Gao, J.G. Wan, J.Y. Dai, J.M. Liu,
Appl. Phys. Lett., 104, 143503 (2014).
- 2) Coexistence of high performance resistance and capacitance memory based on multilayered metal-oxide structures
Z. B. Yan, J.M. Liu, **Sci. Rep.**, 3, 2482 (2013).
- 3) High-performance programmable memory devices based on Co-doped BaTiO₃
Z. B. Yan, Y. Y. Guo, G. Q. Zhang, and J. -M. Liu, **Adv. Mater.** **23**, 1351 (2011).
- 4) Repetitive switching behaviour of a memristor for passive crossbar applications
Z. B. Yan, X. C. Zhu, M. Liu, X. M. Jiang, X. F. Jiang, J. -M. Liu, **J. Phys. D: Appl. Phys.** **45** 505107 (2012).
- 5) Unipolar resistive switching effect in YMn_{1-x}O₃ thin films
Z. B. Yan, S. Z. Li, K. F. Wang, and J. -M. Liu, **Appl. Phys. Lett.** **96**, 012103 (2010).
- 6) Reversible resistance switching in La_{0.225}Pr_{0.4}Ca_{0.375}MnO₃: The Joule-heat-assisted phase transition
Z. B. Yan, K. F. Wang, S. Z. Li, S. J. Luo, and J. -M. Liu, **Appl. Phys. Lett.** **95**, 143502 (2009).
- 7) Electric current-induced relaxations of conductivity in phase-separated La_{0.5}Ca_{0.5}Mn_{0.95}Fe_{0.05}O₃
Z. B. Yan, S. Dong, K.F. Wang, C.L. Lu, H.X. Guo, J.-M. Liu, **J. Appl. Phys.**, 104 (2008) 013916.