

## Lecturer CAO Rongxing

College	College of Physical Science and Technology
Current Position	Lecturer
Types of Tutor	Master Tutor
Language	Chinese/English
Education	(1) Sept. 2008 – June 2013 Ph.D. in Condensed Matter Physics, Department of Physics, Nanjing University, China.  (2) Sept. 2004 – June 2008 B.S. in Microelectronics, Department of Physics, Nanjing University, China.
Research Interests	(1) Solid-state nuclear magnetic resonance and physical property measurement under extreme condition. ( 2 ) Study of magnetization switching and oscillation in magnetic nanostructure.
Selected Publications	(1) R. X. Cao, J. Dong, Q. L. Wang et al., Measurements of the superconducting anisotropy in FeSe with a resonance frequency technique. AIP Advances 9, 045220 (2019). (2) R. X. Cao, J. Hu, J. Dong et al., Observation of orbital ordering and origin of the nematic order in FeSe. New Journal of Physics 21, 103033 (2019). (3) R. X. Cao, L. Sun, B. F. Miao et al., Spectroscopic study of Gd nanostructures quantum confined in Fe corrals. Scientific Reports 5, 12092 (2015). (4) R. X. Cao, Z. Liu, B. F. Miao et al., Self-regulated Gd atom trapping in open Fe nanocorrals. Physical Review B 90, 045433 (2014). (5) R. X. Cao, B. F. Miao, Z. F. Zhong et al., Two-dimensional quantum diffusion of Gd adatoms in nano-size Fe corrals. Physical Review B 87, 085415 (2013). (6) R. X. Cao, Z. F. Zhong, J. Hu et al., Spectroscopy of self-assembled

	<p>one-dimensional atomic string: The role of step edge. <i>Applied Physics Letters</i> 103, 081608 (2013).</p> <p>(7) A. Zholud, R. Freeman, R. X. Cao, et al., Spin transfer due to quantum magnetization fluctuations. <i>Physical Review Letters</i> 119, 257201 (2017).</p> <p>L. Sun, R. X. Cao, B. F. Miao et al., Creating an artificial two-dimensional skyrmion crystal by nanopatterning. <i>Physical Review Letters</i> 110, 167201 (2013).</p>
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