

NSTX select eight published manuscripts

- 1. MHD-Active RWM stabilization:** S. A. Sabbagh, R. E. Bell, J. E. Menard, [D. A. Gates](#), A. C. Sontag, J. M. Bialek, B. P. LeBlanc, F. M. Levinton, K. Tritz, and H. Yuh
[Active RWM stabilization of the RWM in high beta low rotation plasmas](#)
Physical Review Letters, 97, 045003, July 2006
 - 2. MHD-Energetic Particle Transport:** J. Menard et al., - [Observation of instability-induced current redistribution in a spherical-torus plasma](#)
Physical Review Letters, 97, 095002, September 2006
 - 3. Multi-Scale Transport:** S M Kaye, M G Bell, R E Bell, E D Fredrickson, B LeBlanc, K C Lee, S Lynch and S A Sabbagh
[Energy confinement scaling in the low aspect ratio National Spherical Torus Experiment \(NSTX\)](#)
Nuclear Fusion 46, 848-857, 2006
 - 4. Momentum Transport:** W. Zhu, S. A. Sabbagh, R. E. Bell, J. M. Bialek, M. G. Bell, B. P. LeBlanc, S. M. Kaye, F. M. Levinton, J. E. Menard, K. C. Shaing, A. C. Sontag, and H. Yuh
[Observation of plasma toroidal momentum dissipation by neoclassical toroidal viscosity](#)
Physical Review Letters, 96, 225002, June 2006
 - 5. Energetic Particle Induced Instabilities:** N. A. Crocker, W. A. Peebles, S. Kubota, E. D. Fredrickson, S. M. Kaye, B. P. LeBlanc, and J. E. Menard
[Three wave interaction between fast ion modes in NSTX](#)
Physical Review Letters, 97, 045002, July 2006
 - 6. Boundary Physics:** Maingi R, Tritz K, Fredrickson ED, et al.
[Observation of a high performance operating regime with small edge-localized modes in the National Spherical Torus Experiment](#)
NUCLEAR FUSION 45 (4): 264-270 APR 2005
 - 7. Solenoid-free Start-up:** R. Raman, B.A. Nelson, M.G. Bell et al.
[Efficient generation of closed magnetic flux surfaces in a large spherical tokamak using coaxial helicity injection](#)
To be published in Physical Review Letters
 - 8. Integration:** Gates DA, Maingi R, Menard J, et al.
[Effect of plasma shaping on performance in the national spherical torus experiment](#)
PHYSICS OF PLASMAS 13 (5): Art. No. 056122 MAY 2006
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