

- A local min-max-orthogonal method for multiple solutions of noncooperative elliptic systems (with J. Zhou), *Mathematics of Computation* (to appear)
- A local min-orthogonal method for multiple solutions of strongly coupled elliptic systems (with J. Zhou), *Discrete and Continuous Dynamical Systems Supplement 2009*, 151-160
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- On homotopy continuation method for computing multiple solutions to the Henon equation (with J. Zhou), *Num. Meth. PDEs*, 24(2008), 728-748
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- Instability analysis of multiple solutions to nonlinear cooperative systems via a local min-orthogonal method (with J. Zhou), *preprint*
- Convergence analysis of a local min-max-orthogonal method (with J. Zhou), *preprint*
- A generalized min-max-orthogonal method for saddle points of strongly indefinite functionals (with J. Zhou), *in preparation*