

楊肅煜

著作目錄

期刊論文

1. Tzyy-Leng Horng, Po-Wen Hsieh, Suh-Yuh Yang*, Cheng-Shu You (2018, Nov). A simple direct-forcing immersed boundary projection method with prediction-correction for fluid-solid interaction problems. *Computers and Fluids*, 176, pp. 135-152. (SCI, 42/134, MECHANICS). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
2. Po-Wen Hsieh*, Pei-Chiang Shao, Suh-Yuh Yang (2018, Aug). Advection-enhanced gradient vector flow for active-contour image segmentation. *Communications in Computational Physics*. (Accepted). (SCI, 17/55, PHYSICS, MATHEMATICAL). MOST 106-2115-M-008-014-MY2.
3. Po-Wen Hsieh, Pei-Chiang Shao, Suh-Yuh Yang* (2018, Aug). A regularization model with adaptive diffusivity for variational image denoising. *Signal Processing*, 149, pp. 214-228. (SCI, 51/260, ENGINEERING, ELECTRICAL & ELECTRONIC). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
4. Huo-Yuan Duan, Po-Wen Hsieh, Roger Choon Ee Tan, Suh-Yuh Yang* (2018, May). Error analysis of a stabilized finite element method for the generalized Stokes problem. *Journal of Computational Mathematics*. (Accepted). (SCI, 66/310, MATHEMATICS). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
5. Huo-Yuan Duan*, Roger Choon Ee Tan, Suh-Yuh Yang*, Cheng-Shu You (2018, Feb). A mixed H1-conforming finite element method for solving Maxwell's equations with non-H1 solution. *SIAM Journal on Scientific Computing*, 40, pp. A224-A250. (SCI, 27/252, MATHEMATICS, APPLIED). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
6. Po-Wen Hsieh, Suh-Yuh Yang*, Cheng-Shu You (2018, Jan). A robust finite difference scheme for strongly coupled systems of singularly perturbed convection-diffusion equations. *Numerical Methods for Partial Differential Equations*, 34, pp. 121-144. (SCI, 78/252, MATHEMATICS, APPLIED). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
7. Chun-Hsien Li, Suh-Yuh Yang* (2016, Oct). A new discrete Cucker-Smale flocking model under hierarchical leadership. *Discrete and Continuous Dynamical Systems-Series B*, 21, pp. 2587-2599. (SCI, 62/254,

MATHEMATICS, APPLIED). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.

8. Po-Wen Hsieh, Suh-Yuh Yang* (2016, Aug). A new stabilized linear finite element method for solving reaction-convection-diffusion equations. *Computer Methods in Applied Mechanics and Engineering*, 307, pp. 362-382. (SCI, 6/101, MATHEMATICS, INTERDISCIPLINARY APPLICATIONS). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
9. Po-Wen Hsieh, Yintzer Shih, Suh-Yuh Yang*, Cheng-Shu You (2016, May). A novel technique for constructing difference schemes for systems of singularly perturbed equations. *Communications in Computational Physics*, 19, pp. 1287-1301. (SCI, 14/53, PHYSICS, MATHEMATICAL). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
10. Chun-Hsien Li, Suh-Yuh Yang* (2015, Nov). Eventual dissipativeness and synchronization of nonlinearly coupled dynamical network of Hindmarsh-Rose neurons. *Applied Mathematical Modelling*, 39, pp. 6631–6644. (SCI, 13/99, MATHEMATICS, INTERDISCIPLINARY APPLICATIONS). NSC 101-2115-M-008-008-MY2. 本人為通訊作者.
11. Chun-Hsien Li, Suh-Yuh Yang* (2015, Oct). Effects of network structure on the synchronizability of nonlinearly coupled Hindmarsh-Rose neurons. *Physics Letters A*, 379, pp. 2541-2548. (SCI, 26/78, PHYSICS, MULTIDISCIPLINARY). MOST 103-2115-M-008-009-MY3. 本人為通訊作者.
12. Huoyuan Duan*, Roger C. E. Tan, Suh-Yuh Yang, Cheng-Shu You (2015, Oct). An SPD stabilized finite element method for Stokes equations. *IMA Journal of Numerical Analysis*, 35, pp. 1812-1841. (SCI, 24/257, MATHEMATICS, APPLIED). NSC 101-2115-M-008-008-MY2.
13. Po-Wen Hsieh, Ming-Chih Lai, Suh-Yuh Yang*, Cheng-Shu You (2015, Aug). An unconditionally energy stable penalty immersed boundary method for simulating the dynamics of an inextensible interface interacting with a solid particle . *Journal of Scientific Computing*, 64, pp. 289-316. (SCI, 23/257, MATHEMATICS, APPLIED). MOST 101-2115-M-008-008-MY2. 本人為通訊作者.
14. Po-Wen Hsieh, Suh-Yuh Yang*, Cheng-Shu You (2014, Oct). A high-accuracy finite difference scheme for solving reaction-convection-diffusion problems with a small diffusivity. *Advances in Applied Mathematics and Mechanics*, 6, pp. 637-662. (SCI, 180/257, MATHEMATICS, APPLIED). NSC 101-2115-M-008-008-MY2. 本人為通訊作者.
15. Huo-Yuan Duan, Roger Choon Ee Tan, Suh-Yuh Yang*, Cheng-Shu You (2014,

- Jul). Computation of Maxwell singular solution by nodal-continuous elements. *Journal of Computational Physics*, 268, pp. 63-83. (SCI, 3/54, PHYSICS, MATHEMATICAL). NSC 101-2115-M-008-008-MY2. 本人為通訊作者.
16. Chun-Hsien Li, Chiung-Chiou Tsai, Suh-Yuh Yang* (2014, Apr). Analysis of epidemic spreading of an SIRS model in complex heterogeneous networks. *Communications in Nonlinear Science and Numerical Simulation*, 19, pp. 1042-1054. (SCI, 5/257, MATHEMATICS, APPLIED). NSC 101-2115-M-008-008-MY2. 本人為通訊作者.
 17. Huo-Yuan Duan, Po-Wen Hsieh, Roger C. E. Tan, Suh-Yuh Yang* (2014, Apr). Analysis of the small viscosity and large reaction coefficient in the computation of the generalized Stokes problem by a novel stabilized finite element method. *Computer Methods in Applied Mechanics and Engineering*, 271, pp. 23-47. (SCI, 4/99, MATHEMATICS, INTERDISCIPLINARY APPLICATIONS). NSC 101-2115-M-008-008-MY2. 本人為通訊作者.
 18. Chun-Hsien Li, Suh-Yuh Yang* (2014, Mar). Error and attack tolerance of synchronization in Hindmarsh–Rose neural networks with community structure. *Physics Letters A*, 378, pp. 1239-1248. (SCI, 26/78, PHYSICS, MULTIDISCIPLINARY). NSC 101-2115-M-008-008-MY2. 本人為通訊作者.
 19. Keng-Hsin Lai, Jui-Sheng Chen*, Chen-Wuing Liu, Suh-Yuh Yang (2014, Jan). Effect of permeability-porosity functions on simulated morphological evolution of a chemical dissolution front in a fluid-saturated porous medium. *Hydrological Processes*, 28, pp. 16-24. (SCI, 9/83, WATER RESOURCES).