Yang Wang

Publications

1. **Yang Wang** and J.-D. Müller. Re-visit SIMPLE-like algorithms via Pressure Schur Complement for stabilisation of discrete adjoint solver with industrial incompressible flow application. In preparation
2. **Yang Wang**, W. He, and J.-D. Müller. Sensitivity analysis and gradient-based optimisation of feed spacer shape in reverse osmosis membrane processes using discrete adjoint approach. *Desalination*, 449:26 – 40, 2019
3. **Yang Wang**, W. He, and J. Wang. Pumped seawater combined with Compressed Air Energy Storage: an integrated co-storing/producing energy/water system. *Applied Energy*. Under revision
4. W. He, J. Wang, **Yang Wang**, Y. Ding, H. Chen, Y. Wu, and S. Garvey. Study of cycle-to-cycle dynamic characteristics of adiabatic compressed air energy storage using packed bed thermal energy storage. *Energy*, 141:2120 – 2134, 2017
5. **Yang Wang**, W. He, and H. Zhu. Computational fluid dynamics (CFD) based modelling of osmotic energy generation using pressure retarded osmosis (PRO). *Desalination*, 389:98–107, 2016
6. X. Zhang, **Yang Wang**, M. Gugala, and J.-D. Müller. Geometric continuity constraints for adjacent nurbs patches in shape optimisation. *ECCOMAS-2016*, 2016
7. W. He, **Yang Wang**, V. Elyasigomari, and M. H. Shaheed. Evaluation of the detrimental effects in osmotic power assisted reverse osmosis (RO) desalination. *Renewable Energy*, 93:608–619, 2016
8. Y. Geng, G. Qin, **Yang Wang**, and W. He. The research of space-time coupled spectral element method for acoustic wave equations. *Chinese Journal of Acoustics*, 35(01):31–49, 2016
9. S. Akbarzadeh, **Yang Wang**, and J.-D. Müller. Fixed point discrete adjoint of SIMPLE-like solvers. In *22nd AIAA Computational Fluid Dynamics Conference*, page 2750, 2015
10. **Yang Wang**, S. Akbarzadeh, and J.-D. Müller. Stabilisation of discrete adjoint solvers for incompressible flow. In *22nd AIAA Computational Fluid Dynamics Conference*, page 2749, 2015
11. W. He, **Yang Wang**, and M. H. Shaheed. Maximum power point tracking (MPPT) of a scale-up pressure retarded osmosis (PRO) osmotic power plant. *Applied Energy*, 158:584–596, 2015
12. W. He, **Yang Wang**, and M. H. Shaheed. Stand-alone seawater RO (reverse osmosis) desalination powered by PV (photovoltaic) and PRO (pressure retarded osmosis). *Energy*, 86:423–435, 2015