1. **A sharp interface method for incompressible two-phase flows**
   Journal of Computational Physics, Volume 221, Issue 2, 1 February 2007, Pages 469-505
   Sussman, M.; Smith, K.M.; Hussaini, M.Y.; Ohta, M.; Zhi-Wei, R.

2. **Efficient computation of compressible and incompressible flows**
   Journal of Computational Physics, Volume 220, Issue 2, 1 January 2007, Pages 879-899
   Rossow, C.C.

3. **Numerical simulation of bubble rising in viscous liquid**
   Journal of Computational Physics, Volume 222, Issue 2, 1 March 2007, Pages 769-795
   Hua, J.; Lou, J.

4. **Towards improved boundary conditions for the DNS and LES of turbulent subsonic flows • Short communication**
   Journal of Computational Physics, Volume 222, Issue 2, 1 March 2007, Pages 469-474
   Prosser, R.

5. **A level set based sharp interface method for the multiphase incompressible Navier-Stokes equations with phase change**
   Journal of Computational Physics, Volume 222, Issue 2, 1 March 2007, Pages 536-555

6. **A Level Set Method for vaporizing two-phase flows**
   Journal of Computational Physics, Volume 221, Issue 2, 1 February 2007, Pages 837-853
   Tanguy, S.; Menard, T.; Berlemont, A.

7. **An extended level set method for shape and topology optimization**
   Journal of Computational Physics, Volume 221, Issue 1, 1 January 2007, Pages 395-421
   Wang, S.Y.; Lim, K.M.; Khoo, B.C.; Wang, M.Y.
8. High-order compact exponential finite difference methods for convection-diffusion type problems
Journal of Computational Physics, Volume 220, Issue 2, 1 January 2007, Pages 952-974
Tian, Z.F.; Dai, S.Q.

9. Numerical simulation of the fluid dynamics of 2D rigid body motion with the vortex particle method
Journal of Computational Physics, Volume 221, Issue 2, 1 February 2007, Pages 626-648
Eldredge, J.D.

10. Fully conservative finite difference scheme in cylindrical coordinates for incompressible flow simulations
Journal of Computational Physics, Volume 197, Issue 2, 1 July 2004, Pages 686-710
Morinishi, Y.; Vasilyev, O.V.; Ogi, T.

11. Sharp interface tracking using the phase-field equation
Journal of Computational Physics, Volume 220, Issue 2, 1 January 2007, Pages 626-653
Sun, Y.; Beckermann, C.

12. A numerical method for capillarity-dominant free surface flows
Journal of Computational Physics, Volume 221, Issue 2, 1 February 2007, Pages 506-523
Tong, A.Y.; Wang, Z.

13. A level set simulation of dendritic solidification of multi-component alloys
Journal of Computational Physics, Volume 221, Issue 1, 1 January 2007, Pages 9-40
Tan, L.; Zabaras, N.

14. Quiet direct simulation Monte-Carlo with random timesteps
Journal of Computational Physics, Volume 221, Issue 1, 1 January 2007, Pages 1-8
Peter, W.

15. A new compact scheme for parallel computing using domain decomposition
Journal of Computational Physics, Volume 220, Issue 2, 1 January 2007, Pages 654-677
Sengupta, T.K.; Dipankar, A.; Rao, A.K.

Journal of Computational Physics, Volume 223, Issue 2, 1 May 2007, Pages 489-518
Kirby, R.M.; Yosibash, Z.; Karniadakis, G.E.
17. Fourth order partial differential equations on general geometries
Journal of Computational Physics, Volume 216, Issue 1, 1 July 2006, Pages 216-246
Greer, J.B.; Bertozzi, A.L.; Sapiro, G.

18. Monte Carlo techniques for real-time quantum dynamics
Journal of Computational Physics, Volume 220, Issue 2, 1 January 2007, Pages 549-567
Dowling, M.R.; Davis, M.J.; Drummond, P.D.; Corney, J. F.

19. Computation of the curvature field in numerical simulation of multiphase flow
Journal of Computational Physics, Volume 222, Issue 2, 1 March 2007, Pages 872-878
Shin, S.

20. Rheology of red blood cell aggregation by computer simulation
Journal of Computational Physics, Volume 220, Issue 1, 1 December 2006, Pages 139-154
Liu, Y.; Liu, W.K.

21. Finite element modeling of lipid bilayer membranes
Journal of Computational Physics, Volume 220, Issue 1, 1 December 2006, Pages 394-408
Feng, F.; Klug, W.S.

22. Arbitrary high order non-oscillatory finite volume schemes on unstructured meshes for linear hyperbolic systems
Journal of Computational Physics, Volume 221, Issue 2, 1 February 2007, Pages 693-723
Dumbser, M.; Kaser, M.

23. Simulations of reactive transport and precipitation with smoothed particle hydrodynamics
Journal of Computational Physics, Volume 222, Issue 2, 1 March 2007, Pages 654-672
Tartakovsky, A.M.; Meakin, P.; Scheibe, T.D.; Eichler West, R.M.

24. A moving mesh interface tracking method for 3D incompressible two-phase flows
Journal of Computational Physics, Volume 221, Issue 2, 1 February 2007, Pages 761-780
Quan, S.; Schmidt, D.P.

25. Fictitious boundary and moving mesh methods for the numerical simulation of rigid particulate flows
Journal of Computational Physics, Volume 222, Issue 1, 1 March 2007, Pages 28-56
Wan, D.; Turek, S.