

*Continued from outside back cover*

- 6405 **A second order virtual node method for elliptic problems with interfaces and irregular domains**  
J. Bedrossian, J.H. von Brecht, S. Zhu, E. Sifakis and J.M. Teran
- 6427 **A direct-forcing embedded-boundary method with adaptive mesh refinement for fluid–structure interaction problems**  
M. Vanella, P. Rabenold and E. Balaras
- 6450 **A numerical simulation method for dissolution in porous and fractured media**  
D. Yu and A.J.C. Ladd
- 6466 **Dynamic simulation of locally inextensible vesicles suspended in an arbitrary two-dimensional domain, a boundary integral method**  
A. Rahimian, S.K. Veerapaneni and G. Biros
- 6485 **Intrusive Galerkin methods with upwinding for uncertain nonlinear hyperbolic systems**  
J. Tryoen, O. Le Maître, M. Ndjinga and A. Ern
- 6512 **Minimal curvature trajectories: Riemannian geometry concepts for slow manifold computation in chemical kinetics**  
D. Lebiedz, V. Reinhardt and J. Siehr
- 6534 **A linear nonconforming finite element method for Maxwell's equations in two dimensions. Part I: Frequency domain**  
P. Hansbo and T. Rylander
- 6548 **Sinc collocation approximation of non-smooth solution of a nonlinear weakly singular Volterra integral equation**  
G.-A. Zakeri and M. Navab
- 6558 **Parallelization in time of numerical simulations of fully-developed plasma turbulence using the parareal algorithm**  
D. Samaddar, D.E. Newman and R. Sánchez
- 6574 **Diffuse-interface approach to predicting morphologies of critical nucleus and equilibrium structure for cubic to tetragonal transformations**  
L. Zhang, L.-Q. Chen and Q. Du
- 6585 **Modeling and computation of two phase geometric biomembranes using surface finite elements**  
C.M. Elliott and B. Stinner
- 6613 **Numerical simulations of 2D fractional subdiffusion problems**  
H. Brunner, L. Ling and M. Yamamoto
- 6623 **A Trefftz-based numerical modelling framework for Helmholtz problems with complex multiple-scatterer configurations**  
B. Van Genechten, B. Bergen, D. Vandepitte and W. Desmet
- 6644 **Absorbing boundary conditions for scalar waves in anisotropic media. Part 2: Time-dependent modeling**  
S. Savadatti and M.N. Guddati