Philsu Kim

List of Publications by Year
in descending order

16	244	840776 11	940533 16
papers	citations	h-index	g-index

16	16	16	112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Permanence and stability of an Ivlev-type predatorâ€“prey system with impulsive control strategies. Mathematical and Computer Modelling, 2009, 50, 1385-1393.	2.0	31
2	An Error Corrected Euler Method for Solving Stiff Problems Based on Chebyshev Collocation. SIAM Journal on Numerical Analysis, 2011, 49, 2211-2230.	2.3	26
3	Two trigonometric quadrature formulae for evaluating hypersingular integrals. International Journal for Numerical Methods in Engineering, 2003, 56, 469-486.	2.8	25
4	A semi-Lagrangian approach for numerical simulation of coupled Burgersâ€™ equations. Communications in Nonlinear Science and Numerical Simulation, 2019, 69, 31-44.	3.3	23
5	A New Sigmoidal Transformation for Weakly Singular Integrals in the Boundary Element Method. SIAM Journal of Scientific Computing, 2003, 24, 1203-1217.	2.8	19
6	An iteration free backward semi-Lagrangian scheme for solving incompressible Navierâ€“Stokes equations. Journal of Computational Physics, 2015, 283, 189-204.	3.8	19
7	Convergence on error correction methods for solving initial value problems. Journal of Computational and Applied Mathematics, 2012, 236, 4448-4461.	2.0	18
8	Development of semi-Lagrangian gyrokinetic code for full-f turbulence simulation in general tokamak geometry. Journal of Computational Physics, 2015, 283, 518-540.	3.8	16
9	An Iteration Free Backward Semi-Lagrangian Scheme for Guiding Center Problems. SIAM Journal on Numerical Analysis, 2015, 53, 619-643.	2.3	13
10	A quadrature rule of interpolatory type for Cauchy integrals. Journal of Computational and Applied Mathematics, 2000, 126, 207-220.	2.0	11
11	One-step L(Î±)-stable temporal integration for the backward semi-Lagrangian scheme and its application in guiding center problems. Journal of Computational Physics, 2018, 366, 327-340.	3.8	11
12	A completely explicit scheme of Cauchy problem in BSLM for solving the Navierâ€“Stokes equations. Journal of Computational Physics, 2020, 401, 109028.	3.8	10
13	Simple ECEM Algorithms Using Function Values Only. Kyungpook Mathematical Journal, 2013, 53, 573-591.	0.3	7
14	A piecewise linear quadrature of Cauchy singular integrals. Journal of Computational and Applied Mathematics, 1998, 95, 101-115.	2.0	6
15	On the convergence of interpolatory-type quadrature rules for evaluating Cauchy integrals. Journal of Computational and Applied Mathematics, 2002, 149, 381-395.	2.0	6
16	A fast singly diagonally implicit rungeâ€“kutta method for solving 1D unsteady convectionâ€diffusion equations. Numerical Methods for Partial Differential Equations, 2014, 30, 788-812.	3.6	3