

Mohammed Seaid

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8403726/mohammed-seaid-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148
papers

1,419
citations

18
h-index

29
g-index

159
ext. papers

1,650
ext. citations

2.3
avg, IF

4.92
L-index

#	Paper	IF	Citations
148	A Cell-Centered Semi-Lagrangian Finite Volume Method for Solving Two-Dimensional Coupled Burgers Equations. <i>Computational and Mathematical Methods</i> , 2022 , 2022, 1-18	0.9	
147	Isogeometric semi-Lagrangian analysis for transport problems. <i>Applied Mathematics Letters</i> , 2022 , 130, 107994	3.5	
146	An adaptive enriched semi-Lagrangian finite element method for coupled flow-transport problems. <i>Computers and Fluids</i> , 2022 , 105474	2.8	
145	Efficient Experimental and Numerical Methods for Solving Vertical Distribution of Sediments in Dam-Break Flows. <i>Forum for Interdisciplinary Mathematics</i> , 2022 , 291-317	0.2	
144	Enhancing Computational Steel Solidification by a Nonlinear Transient Thermal Model. <i>Lecture Notes in Computer Science</i> , 2022 , 305-317	0.9	
143	Efficient Computational Algorithm for Stress Analysis in Hydro-Sediment-Morphodynamic Models. <i>Lecture Notes in Computer Science</i> , 2022 , 291-304	0.9	
142	Development of time-space adaptive smoothed particle hydrodynamics method with Runge-Kutta Chebyshev scheme. <i>Engineering Analysis With Boundary Elements</i> , 2021 , 126, 55-67	2.6	0
141	A Three-Dimensional Monotonicity-Preserving Modified Method of Characteristics on Unstructured Tetrahedral Meshes. <i>International Journal of Computational Methods</i> , 2021 , 18, 2050027	1.1	0
140	Numerical solution of Rosseland model for transient thermal radiation in non-grey optically thick media using enriched basis functions. <i>Mathematics and Computers in Simulation</i> , 2021 , 180, 258-275	3.3	4
139	Fast inverse solver for identifying the diffusion coefficient in time-dependent problems using noisy data. <i>Archive of Applied Mechanics</i> , 2021 , 91, 1623-1639	2.2	0
138	Multilevel Adaptive Lagrange-Galerkin Methods for Unsteady Incompressible Viscous Flows. <i>Lecture Notes in Computer Science</i> , 2021 , 230-243	0.9	
137	Enriched Galerkin-Characteristics Finite Element Method for Incompressible Navier-Stokes Equations. <i>SIAM Journal of Scientific Computing</i> , 2021 , 43, A1336-A1361	2.6	
136	An Enhanced Finite Element Algorithm for Thermal Darcy Flows with Variable Viscosity. <i>Lecture Notes in Computer Science</i> , 2021 , 215-229	0.9	
135	Non-intrusive polynomial chaos methods for uncertainty quantification in wave problems at high frequencies. <i>Journal of Computational Science</i> , 2021 , 53, 101344	3.4	0
134	An enriched Galerkin-characteristics finite element method for convection-dominated and transport problems. <i>Applied Numerical Mathematics</i> , 2021 , 167, 119-142	2.5	0
133	A surrogate model for efficient quantification of uncertainties in multilayer shallow water flows. <i>Environmental Modelling and Software</i> , 2021 , 144, 105176	5.2	1
132	Data-driven polynomial chaos expansions for characterization of complex fluid rheology: Case study of phosphate slurry. <i>Reliability Engineering and System Safety</i> , 2021 , 216, 107923	6.3	2

131	A stabilized semi-Lagrangian finite element method for natural convection in Darcy flows. <i>Computational and Mathematical Methods</i> , 2020 , e1140	0.9	2
130	Special volume on mathematical modeling with applications. <i>Numerical Algorithms</i> , 2020 , 84, 1239-1240	2.1	
129	Two-dimensional numerical modelling of shallow water flows over multilayer movable beds. <i>Applied Mathematical Modelling</i> , 2020 , 88, 474-497	4.5	1
128	Inverse algorithm for real-time road roughness estimation for autonomous vehicles. <i>Archive of Applied Mechanics</i> , 2020 , 90, 1333-1348	2.2	12
127	A three-dimensional enriched finite element method for nonlinear transient heat transfer in functionally graded materials. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 155, 119804	4.9	11
126	Uncertainty Quantification of Bathymetric Effects in a Two-Layer Shallow Water Model: Case of the Gibraltar Strait. <i>Springer Water</i> , 2020 , 779-791	0.3	
125	Stochastic model reduction for polynomial chaos expansion of acoustic waves using proper orthogonal decomposition. <i>Reliability Engineering and System Safety</i> , 2020 , 195, 106733	6.3	12
124	Multi-hp adaptive discontinuous Galerkin methods for simplified PN approximations of 3D radiative transfer in non-gray media. <i>Applied Numerical Mathematics</i> , 2020 , 150, 252-273	2.5	1
123	A Galerkin-characteristic unified finite element method for moving thermal fronts in porous media. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 113159	2.4	1
122	A Conservative Semi-Lagrangian Finite Volume Method for Convection-Diffusion Problems on Unstructured Grids. <i>Journal of Scientific Computing</i> , 2020 , 85, 1	2.3	2
121	Explicit time integration with lumped mass matrix for enriched finite elements solution of time domain wave problems. <i>Applied Mathematical Modelling</i> , 2020 , 77, 1273-1293	4.5	5
120	A partition of unity finite element method for three-dimensional transient diffusion problems with sharp gradients. <i>Journal of Computational Physics</i> , 2019 , 396, 702-717	4.1	14
119	Fast and accurate simulations of shallow water equations in large networks. <i>Computers and Mathematics With Applications</i> , 2019 , 78, 2107-2126	2.7	1
118	A partition of unity finite element method for nonlinear transient diffusion problems in heterogeneous materials. <i>Computational and Applied Mathematics</i> , 2019 , 38, 1	2.4	8
117	A new numerical treatment of moving wet/dry fronts in dam-break flows. <i>Journal of Applied Mathematics and Computing</i> , 2019 , 59, 489-516	1.8	1
116	Enhanced conformal perfectly matched layers for Bernstein-Bézier finite element modelling of short wave scattering. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 355, 614-638	5.7	7
115	A local radial basis function projection method for incompressible flows in water eutrophication. <i>Engineering Analysis With Boundary Elements</i> , 2019 , 106, 528-540	2.6	7
114	The boundary element method applied to the solution of the anomalous diffusion problem. <i>Engineering Analysis With Boundary Elements</i> , 2019 , 109, 129-142	2.6	3

113	Efficient computational models for shallow water flows over multilayer erodible beds. <i>Engineering Computations</i> , 2019 , 37, 401-429	1.4	2
112	Iterative solvers for generalized finite element solution of boundary-value problems. <i>Numerical Linear Algebra With Applications</i> , 2018 , 25, e2205	1.6	7
111	Identifying the wavenumber for the inverse Helmholtz problem using an enriched finite element formulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 340, 615-629	5.7	11
110	Enriched finite elements for initial-value problem of transverse electromagnetic waves in time domain. <i>Computers and Structures</i> , 2017 , 182, 354-367	4.5	8
109	A stabilized meshless method for time-dependent convection-dominated flow problems. <i>Mathematics and Computers in Simulation</i> , 2017 , 137, 159-176	3.3	8
108	New Criteria for Mesh Adaptation in Finite Volume Simulation of Planar Ionization Wavefront Propagation. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017 , 547-555	0.2	
107	GPU Accelerated Finite Volume Methods for Three-Dimensional Shallow Water Flows. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017 , 137-144	0.2	1
106	A non-homogeneous Riemann solver for shallow water equations in porous media. <i>Applicable Analysis</i> , 2016 , 95, 2181-2202	0.8	15
105	A discontinuous Galerkin method for two-layer shallow water equations. <i>Mathematics and Computers in Simulation</i> , 2016 , 120, 12-23	3.3	7
104	Discontinuous Galerkin method for two-dimensional bilayer shallow water equations. <i>Journal of Engineering Mathematics</i> , 2016 , 96, 1-21	1.2	2
103	hp-adaptive discontinuous Galerkin methods for simplified PN approximations of frequency-dependent radiative transfer. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 301, 52-79	5.7	6
102	A Runge-Kutta-Chebyshev SPH algorithm for elastodynamics. <i>Acta Mechanica</i> , 2016 , 227, 1813-1835	2.1	9
101	Slope limiters for radial basis functions applied to conservation laws with discontinuous flux function. <i>Engineering Analysis With Boundary Elements</i> , 2016 , 66, 49-65	2.6	5
100	A meshless method for numerical simulation of depth-averaged turbulence flows using a k- ϵ model. <i>International Journal for Numerical Methods in Fluids</i> , 2016 , 80, 3-22	1.9	5
99	A family of finite volume Eulerian-Lagrangian methods for two-dimensional conservation laws. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 285, 181-202	2.4	7
98	Mixed enrichment for the finite element method in heterogeneous media. <i>International Journal for Numerical Methods in Engineering</i> , 2015 , 101, 54-78	2.4	16
97	A Frequency-Domain Approach for the (h_{P_1}) Approximation of Time-Dependent Radiative Transfer. <i>Journal of Scientific Computing</i> , 2015 , 62, 623-651	2.3	1
96	Projection finite volume method for shallow water flows. <i>Mathematics and Computers in Simulation</i> , 2015 , 118, 87-101	3.3	9

95	An enriched finite element model with q-refinement for radiative boundary layers in glass cooling. <i>Journal of Computational Physics</i> , 2014 , 258, 718-737	4.1	14
94	A fast finite volume solver for multi-layered shallow water flows with mass exchange. <i>Journal of Computational Physics</i> , 2014 , 272, 23-45	4.1	12
93	A simple multi-layer finite volume solver for density-driven shallow water flows. <i>Mathematics and Computers in Simulation</i> , 2014 , 99, 170-189	3.3	1
92	A new composite scheme for two-layer shallow water flows with shocks. <i>Journal of Applied Mathematics and Computing</i> , 2014 , 44, 467-489	1.8	1
91	A Finite Volume Method for Large-Eddy Simulation of Shallow Water Equations. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014 , 741-748	0.2	2
90	Assessment of coupling conditions in water way intersections. <i>International Journal for Numerical Methods in Fluids</i> , 2013 , 71, 1438-1460	1.9	7
89	A partition of unity FEM for time-dependent diffusion problems using multiple enrichment functions. <i>International Journal for Numerical Methods in Engineering</i> , 2013 , 93, 245-265	2.4	26
88	Time-independent hybrid enrichment for finite element solution of transient conduction-radiation in diffusive grey media. <i>Journal of Computational Physics</i> , 2013 , 251, 81-101	4.1	18
87	An unstructured finite-volume method for coupled models of suspended sediment and bed load transport in shallow-water flows. <i>International Journal for Numerical Methods in Fluids</i> , 2013 , 72, 967-993 ^{1.9}	1.9	11
86	A finite volume method for scalar conservation laws with stochastic time-space dependent flux functions. <i>Journal of Computational and Applied Mathematics</i> , 2013 , 237, 614-632	2.4	12
85	A stabilized finite element method for stochastic incompressible Navier-Stokes equations. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 2576-2602	1.2	4
84	A flux-limiter method for dam-break flows over erodible sediment beds. <i>Applied Mathematical Modelling</i> , 2012 , 36, 4847-4861	4.5	29
83	A conjugate gradient algorithm for solving the Galerkin-characteristic approximation of interfacial flows. <i>Applied Numerical Mathematics</i> , 2012 , 62, 1197-1214	2.5	2
82	Numerical modelling of sediment transport in the Nador lagoon (Morocco). <i>Applied Numerical Mathematics</i> , 2012 , 62, 1749-1766	2.5	5
81	A finite element semi-Lagrangian method with L2 interpolation. <i>International Journal for Numerical Methods in Engineering</i> , 2012 , 90, 1485-1507	2.4	6
80	Simulation of the Lock-Exchange Hydraulics using the Discontinuous Galerkin Method. <i>International Journal of Computer Applications</i> , 2012 , 43, 20-28	1.1	4
79	An L^2 -Projection for the Galerkin-Characteristic Solution of Incompressible Flows. <i>SIAM Journal of Scientific Computing</i> , 2011 , 33, 3110-3131	2.6	8
78	Mathematical Development and Verification of a Finite Volume Model for Morphodynamic Flow Applications. <i>Advances in Applied Mathematics and Mechanics</i> , 2011 , 3, 470-492	2.1	7

77	Multilayer Saint-Venant equations over movable beds. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2011 , 15, 917-934	1:3	7
76	Combined characteristics and finite volume methods for sediment transport and bed morphology in surface water flows. <i>Mathematics and Computers in Simulation</i> , 2011 , 81, 2073-2086	3:3	5
75	Comparison of unstructured finite-volume morphodynamic models in contracting channel flows. <i>Mathematics and Computers in Simulation</i> , 2011 , 81, 2087-2097	3:3	5
74	A two-dimensional finite volume solution of dam-break hydraulics over erodible sediment beds. <i>Springer Proceedings in Mathematics</i> , 2011 , 875-891		2
73	A Generalized Rusanov method for Saint-Venant Equations with Variable Horizontal Density. <i>Springer Proceedings in Mathematics</i> , 2011 , 89-96		2
72	A comparison between the meshless and the finite volume methods for shallow water flows. <i>Springer Proceedings in Mathematics</i> , 2011 , 13-20		1
71	Adaptive cell-centered finite volume method for non-homogeneous diffusion problems: Application to transport in porous media. <i>Springer Proceedings in Mathematics</i> , 2011 , 79-87		
70	An essentially non-oscillatory semi-Lagrangian method for tidal flow simulations. <i>International Journal for Numerical Methods in Engineering</i> , 2010 , 81, 805-834	2:4	13
69	A new finite volume method for flux-gradient and source-term balancing in shallow water equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010 , 199, 3324-3335	5:7	32
68	A simple finite volume method for the shallow water equations. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 234, 58-72	2:4	23
67	A two-dimensional finite volume morphodynamic model on unstructured triangular grids. <i>International Journal for Numerical Methods in Fluids</i> , 2009 , 63, n/a-n/a	1:9	5
66	Lattice Boltzmann simulation of dispersion in two-dimensional tidal flows. <i>International Journal for Numerical Methods in Engineering</i> , 2009 , 77, 878-900	2:4	10
65	Numerical simulation of stochastic replicator models in catalyzed RNA-like polymers. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 3577-3586	3:3	4
64	A Semi-Lagrangian Method for a Fokker-Planck Equation Describing Fiber Dynamics. <i>Journal of Scientific Computing</i> , 2009 , 38, 349-367	2:3	15
63	A Spectral Stochastic Semi-Lagrangian Method for Convection-Diffusion Equations with Uncertainty. <i>Journal of Scientific Computing</i> , 2009 , 39, 371-393	2:3	5
62	Application of mesh-adaptation for pollutant transport by water flow. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 3415-3423	3:3	2
61	Solving Wick-stochastic water waves using a Galerkin finite element method. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 3523-3533	3:3	7
60	Large eddy simulation of turbulent heat transport in the Strait of Gibraltar. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 3444-3454	3:3	

59	An Eulerian-Lagrangian method for coupled parabolic-hyperbolic equations. <i>Applied Numerical Mathematics</i> , 2009 , 59, 754-768	2.5	11
58	Solution of the Sediment Transport Equations Using a Finite Volume Method Based on Sign Matrix. <i>SIAM Journal of Scientific Computing</i> , 2009 , 31, 2866-2889	2.6	23
57	Large-Eddy Simulation of Thermal Flows based on Discrete-Velocity Models. <i>SIAM Journal of Scientific Computing</i> , 2008 , 30, 1756-1777	2.6	1
56	Lattice Boltzmann simulation of depth-averaged models in flow hydraulics. <i>International Journal of Computational Fluid Dynamics</i> , 2008 , 22, 507-522	1.2	8
55	A Galerkin-Characteristic Method for Large-Eddy Simulation of Turbulent Flow and Heat Transfer. <i>SIAM Journal of Scientific Computing</i> , 2008 , 30, 2734-2754	2.6	5
54	Eulerian-Lagrangian time-stepping methods for convection-dominated problems. <i>International Journal of Computer Mathematics</i> , 2008 , 85, 421-439	1.2	7
53	Finite element P1 solution of unsteady thermal flow past a circular cylinder with radiation. <i>International Journal of Computer Mathematics</i> , 2008 , 85, 641-656	1.2	2
52	A finite element modified method of characteristics for convective heat transport. <i>Numerical Methods for Partial Differential Equations</i> , 2008 , 24, 776-798	2.5	17
51	Simulation of transient gas flow at pipe-to-pipe intersections. <i>International Journal for Numerical Methods in Fluids</i> , 2008 , 56, 485-506	1.9	20
50	Method of lines for stochastic boundary-value problems with additive noise. <i>Applied Mathematics and Computation</i> , 2008 , 199, 301-314	2.7	18
49	Simplified radiative models for low-Mach number reactive flows. <i>Applied Mathematical Modelling</i> , 2008 , 32, 971-991	4.5	11
48	Coupled finite element-lattice Boltzmann analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 4505-4511	5.7	4
47	Simplified PN Models and Natural Convection-Radiation. <i>Mathematics in Industry</i> , 2008 , 397-401	0.2	6
46	Relaxation WENO schemes for multidimensional hyperbolic systems of conservation laws. <i>Numerical Methods for Partial Differential Equations</i> , 2007 , 23, 1211-1234	2.5	5
45	Numerical simulation of natural and mixed convection flows by Galerkin-characteristic method. <i>International Journal for Numerical Methods in Fluids</i> , 2007 , 53, 1819-1845	1.9	27
44	Lattice Boltzmann methods for shallow water flow applications. <i>International Journal for Numerical Methods in Fluids</i> , 2007 , 55, 673-692	1.9	42
43	A domain decomposition method for conservation laws with discontinuous flux function. <i>Applied Numerical Mathematics</i> , 2007 , 57, 361-373	2.5	8
42	Multigrid Newton-Crylov method for radiation in diffusive semitransparent media. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 203, 498-515	2.4	12

41	Wick-stochastic finite element solution of reaction-diffusion problems. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 203, 516-532	2.4	7
40	Well-balanced finite volume schemes for pollutant transport by shallow water equations on unstructured meshes. <i>Journal of Computational Physics</i> , 2007 , 226, 180-203	4.1	82
39	A lattice-Boltzmann relaxation scheme for coupled convection-radiation systems. <i>Journal of Computational Physics</i> , 2007 , 226, 1408-1431	4.1	18
38	Incompressible Navier-Stokes equation solvers based on lattice Boltzmann relaxation systems. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 2100001-2100002	0.2	
37	A consistent approach for the coupling of radiation and hydrodynamics at low Mach number. <i>Journal of Computational Physics</i> , 2007 , 225, 1039-1065	4.1	18
36	Optimal control in radiative transfer. <i>Optimization Methods and Software</i> , 2007 , 22, 917-936	1.3	5
35	Lattice-Boltzmann type relaxation systems and high order relaxation schemes for the incompressible Navier-Stokes equations. <i>Mathematics of Computation</i> , 2007 , 77, 943-966	1.6	5
34	Convergence and stability of finite element modified method of characteristics for the incompressible Navier-Stokes equations. <i>Journal of Numerical Mathematics</i> , 2007 , 15,	3.4	19
33	Enskog-like discrete velocity models for vehicular traffic flow. <i>Networks and Heterogeneous Media</i> , 2007 , 2, 481-496	1.6	12
32	Radiation models for thermal flows at low Mach number. <i>Journal of Computational Physics</i> , 2006 , 215, 506-525	4.1	29
31	High-resolution relaxation scheme for the two-dimensional Riemann problems in gas dynamics. <i>Numerical Methods for Partial Differential Equations</i> , 2006 , 22, 397-413	2.5	15
30	Weakly compressible and advection approximations of incompressible viscous flows. <i>Communications in Numerical Methods in Engineering</i> , 2006 , 22, 831-847		9
29	Validation of simplified PN models for radiative transfer in combustion systems. <i>Communications in Numerical Methods in Engineering</i> , 2006 , 24, 85-96		4
28	Extension of weakly compressible approximations to incompressible thermal flows. <i>Communications in Numerical Methods in Engineering</i> , 2006 , 24, 33-48		
27	Discrete-Velocity Models and Relaxation Schemes for Traffic Flows. <i>SIAM Journal of Scientific Computing</i> , 2006 , 28, 1582-1596	2.6	10
26	Improved Applications of Relaxation Schemes for Hyperbolic Systems of Conservation Laws and Convection-diffusion Problems. <i>Computational Methods in Applied Mathematics</i> , 2006 , 6, 56-86	1.2	5
25	Stable numerical methods for conservation laws with discontinuous flux function. <i>Applied Mathematics and Computation</i> , 2006 , 175, 383-400	2.7	13
24	Discrete-velocity relaxation methods for large eddy simulation. <i>Applied Mathematics and Computation</i> , 2006 , 182, 739-753	2.7	5

23	Non-oscillatory methods for relaxation approximation of Hamilton-Jacobi equations. <i>Applied Mathematics and Computation</i> , 2006 , 183, 170-183	2.7	1
22	Asymptotic-preserving schemes for unsteady flow simulations. <i>Computers and Fluids</i> , 2006 , 35, 872-878	2.8	8
21	Lagrange-Galerkin method for unsteady free surface water waves. <i>Computing and Visualization in Science</i> , 2006 , 9, 209-228	1	8
20	Animating Water Waves Using Semi-Lagrangian Techniques. <i>Mathematics in Industry</i> , 2006 , 494-498	0.2	
19	Adaptive solutions of ϵ -approximations to radiative heat transfer in glass. <i>International Journal of Thermal Sciences</i> , 2005 , 44, 1013-1023	4.1	3 ²
18	Numerical Solvers for Radiation and Conduction in High Temperature Gas Flows. <i>Flow, Turbulence and Combustion</i> , 2005 , 75, 173-190	2.5	13
17	A Monte Carlo method for the Broadwell model with relaxation. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2005 , 5, 691-692	0.2	
16	A multigrid discrete-ordinates solution for isotropic transport equation. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2004 , 4, 494-495	0.2	
15	Non-oscillatory relaxation methods for the shallow-water equations in one and two space dimensions. <i>International Journal for Numerical Methods in Fluids</i> , 2004 , 46, 457-484	1.9	3 ¹
14	Compressible and incompressible limits for hyperbolic systems with relaxation. <i>Journal of Computational and Applied Mathematics</i> , 2004 , 168, 41-52	2.4	9
13	Flux limiters in the coupling of radiation and hydrodynamic models. <i>Journal of Computational and Applied Mathematics</i> , 2004 , 168, 425-435	2.4	3
12	Efficient numerical methods for radiation in gas turbines. <i>Journal of Computational and Applied Mathematics</i> , 2004 , 170, 217-239	2.4	39
11	A comparison of approximate models for radiation in gas turbines. <i>Progress in Computational Fluid Dynamics</i> , 2004 , 4, 191	0.7	15
10	Recent Advances in Semi-Lagrangian Modelling of Flow through the Strait of Gibraltar. <i>Lecture Notes in Computer Science</i> , 2004 , 89-96	0.9	1
9	A New Monte Carlo Approach for Conservation Laws and Relaxation Systems. <i>Lecture Notes in Computer Science</i> , 2004 , 276-283	0.9	2
8	A Highly Accurate Modified Method of Characteristics for Convection-Dominated Flow Problems. <i>Computational Methods in Applied Mathematics</i> , 2003 , 3, 623-646	1.2	5
7	Uniformly accurate schemes for relaxation approximations to fluid dynamic equations. <i>Applied Mathematics Letters</i> , 2003 , 16, 1123-1127	3.5	8
6	Efficient Preconditioning of Linear Systems Arising from the Discretization of Radiative Transfer Equation. <i>Lecture Notes in Computational Science and Engineering</i> , 2003 , 211-236	0.3	15

5	Simplified PN Approximations to the Equations of Radiative Heat Transfer and Applications. <i>Journal of Computational Physics</i> , 2002 , 183, 652-675	4.1	129
4	NUMERICAL METHODS AND OPTIMAL CONTROL FOR GLASS COOLING PROCESSES. <i>Transport Theory and Statistical Physics</i> , 2002 , 31, 513-529		42
3	Semi-lagrangian integration schemes for viscous incompressible flows. <i>Computational Methods in Applied Mathematics</i> , 2002 , 2, 392-409	1.2	29
2	A Class of the Relaxation Schemes for Two-Dimensional Euler Systems of Gas Dynamics. <i>Lecture Notes in Computer Science</i> , 2002 , 930-939	0.9	6
1	On the Quasi-monotone Modified Method of Characteristics for Transport-diffusion Problems with Reactive Sources. <i>Computational Methods in Applied Mathematics</i> , 2001 , 2, 186-210	1.2	15