Eitan Tadmor

List of Publications by Citations

158 papers	10,227 citations	47 h-index	99 g-index
169 ext. papers	11,567 ext. citations	2.3 avg, IF	6.62 L-index

#	Paper	IF	Citations
158	Strong Stability-Preserving High-Order Time Discretization Methods. *SIAM Review*, **2001**, 43, 89-112	7.4	1367
157	New High-Resolution Central Schemes for Nonlinear Conservation Laws and ConvectionDiffusion Equations. *Journal of Computational Physics*, **2000**, 160, 241-282	4.1	1064
156	Non-oscillatory central differencing for hyperbolic conservation laws. *Journal of Computational Physics*, **1990**, 87, 408-463	4.1	843
155	From particle to kinetic and hydrodynamic descriptions of flocking. *Kinetic and Related Models*, **2008**, 1, 415-435	2.4	302
154	Convergence of Spectral Methods for Nonlinear Conservation Laws. *SIAM Journal on Numerical Analysis*, **1989**, 26, 30-44	2.4	290
153	Entropy stability theory for difference approximations of nonlinear conservation laws and related time-dependent problems. *Acta Numerica*, **2003**, 12, 451-512	15.1	235
152	Heterophilious Dynamics Enhances Consensus. *SIAM Review*, **2014**, 56, 577-621	7.4	232
151	Nonoscillatory Central Schemes for Multidimensional Hyperbolic Conservation Laws. *SIAM Journal of Scientific Computing*, **1998**, 19, 1892-1917	2.6	231
150	Kinetic formulation of the isentropic gas dynamics andp-systems. *Communications in Mathematical Physics*, **1994**, 163, 415-431	2	226
149	A kinetic formulation of multidimensional scalar conservation laws and related equations. *Journal of the American Mathematical Society*, **1994**, 7, 169-169	1.6	224
148	A New Model for Self-organized Dynamics and Its Flocking Behavior. *Journal of Statistical Physics*, **2011**, 144, 923-947	1.5	222
147	The numerical viscosity of entropy stable schemes for systems of conservation laws. I. *Mathematics of Computation*, **1987**, 49, 91-91	1.6	204
146	Solution of two-dimensional Riemann problems for gas dynamics without Riemann problem solvers. *Numerical Methods for Partial Differential Equations*, **2002**, 18, 584-608	2.5	189
145	Numerical viscosity and the entropy condition for conservative difference schemes. *Mathematics of Computation*, **1984**, 43, 369-369	1.6	145
144	Arbitrarily High-order Accurate Entropy Stable Essentially Nonoscillatory Schemes for Systems of Conservation Laws. *SIAM Journal on Numerical Analysis*, **2012**, 50, 544-573	2.4	143
143	Detection of Edges in Spectral Data. *Applied and Computational Harmonic Analysis*, **1999**, 7, 101-135	3.1	125
142	The Exponential Accuracy of Fourier and Chebyshev Differencing Methods. *SIAM Journal on Numerical Analysis*, **1986**, 23, 1-10	2.4	124

141	Legendre Pseudospectral Viscosity Method for Nonlinear Conservation Laws. *SIAM Journal on Numerical Analysis*, **1993**, 30, 321-342	2.4	119
140	A Multiscale Image Representation Using Hierarchical (BV,L2) Decompositions. *Multiscale Modeling and Simulation*, **2004**, 2, 554-579	1.8	118
139	Third order nonoscillatory central scheme for hyperbolic conservation laws. *Numerische Mathematik*, **1998**, 79, 397-425	2.2	114
138	Local Error Estimates for Discontinuous Solutions of Nonlinear Hyperbolic Equations. *SIAM Journal on Numerical Analysis*, **1991**, 28, 891-906	2.4	111
137	Skew-selfadjoint form for systems of conservation laws. *Journal of Mathematical Analysis and Applications*, **1984**, 103, 428-442	1.1	109
136	A kinetic equation with kinetic entropy functions for scalar conservation laws. *Communications in Mathematical Physics*, **1991**, 136, 501-517	2	96
135	Well-balanced and energy stable schemes for the shallow water equations with discontinuous topography. *Journal of Computational Physics*, **2011**, 230, 5587-5609	4.1	91
134	Detection of Edges in Spectral Data II. Nonlinear Enhancement. *SIAM Journal on Numerical Analysis*, **2000**, 38, 1389-1408	2.4	89
133	On the convergence of difference approximations to scalar conservation laws. *Mathematics of Computation*, **1988**, 50, 19-19	1.6	85
132	A review of numerical methods for nonlinear partial differential equations. *Bulletin of the American Mathematical Society*, **2012**, 49, 507-554	1.3	84
131	Central Discontinuous Galerkin Methods on Overlapping Cells with a Nonoscillatory Hierarchical Reconstruction. *SIAM Journal on Numerical Analysis*, **2007**, 45, 2442-2467	2.4	84
130	New High-Resolution Semi-discrete Central Schemes for Hamilton□acobi Equations. *Journal of Computational Physics*, **2000**, 160, 720-742	4.1	82
129	The Well-Posedness of the Kuramoto□ivashinsky Equation. *SIAM Journal on Mathematical Analysis*, **1986**, 17, 884-893	1.7	70
128	Critical thresholds in Euler-Poisson equations. *Indiana University Mathematics Journal*, **2001**, 50, 109-158	0.6	66
127	From Semidiscrete to Fully Discrete: Stability of Runge--Kutta Schemes by The Energy Method. *SIAM Review*, **1998**, 40, 40-73	7.4	66
126	The Convergence Rate of Approximate Solutions for Nonlinear Scalar Conservation Laws. *SIAM Journal on Numerical Analysis*, **1992**, 29, 1505-1519	2.4	64
125	The regularized Chapman-Enskog expansion for scalar conservation laws. *Archive for Rational Mechanics and Analysis*, **1992**, 119, 95-107	2.3	64
124	Analysis of the Spectral Vanishing Viscosity Method for Periodic Conservation Laws. *SIAM Journal on Numerical Analysis*, **1989**, 26, 854-870	2.4	63

123	Critical thresholds in 1D Euler equations with non-local forces. *Mathematical Models and Methods in Applied Sciences*, **2016**, 26, 185-206	3.5	62
122	Critical thresholds in flocking hydrodynamics with non-local alignment. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2014**, 372,	3	61
121	Critical Thresholds in a Convolution Model for Nonlinear Conservation Laws. *SIAM Journal on Mathematical Analysis*, **2001**, 33, 930-945	1.7	60
120	A minimum entropy principle in the gas dynamics equations. *Applied Numerical Mathematics*, **1986**, 2, 211-219	2.5	58
119	L2stability analysis of the central discontinuous Galerkin method and a comparison between the central and regular discontinuous Galerkin methods. *ESAIM: Mathematical Modelling and Numerical Analysis*, **2008**, 42, 593-607	1.8	56
118	On the numerical radius and its applications. *Linear Algebra and Its Applications*, **1982**, 42, 263-284	0.9	56
117	Filters, mollifiers and the computation of the Gibbs phenomenon. *Acta Numerica*, **2007**, 16, 305-378	15.1	55
116	Non-oscillatory central schemes for one- and two-dimensional MHD equations: I. *Journal of Computational Physics*, **2004**, 201, 261-285	4.1	52
115	High-Resolution Nonoscillatory Central Schemes for Hamilton--Jacobi Equations. *SIAM Journal of Scientific Computing*, **2000**, 21, 2163-2186	2.6	52
114	Shock capturing by the spectral viscosity method. *Computer Methods in Applied Mechanics and Engineering*, **1990**, 80, 197-208	5.7	51
113	Construction of Approximate Entropy Measure-Valued Solutions for Hyperbolic Systems of Conservation Laws. *Foundations of Computational Mathematics*, **2017**, 17, 763-827	2.7	50
112	Analyticity and Decay Estimates of the Navier‐Stokes Equations in Critical Besov Spaces. *Archive for Rational Mechanics and Analysis*, **2012**, 205, 963-991	2.3	49
111	Adaptive Mollifiers for High Resolution Recovery of Piecewise Smooth Data from its Spectral Information. *Foundations of Computational Mathematics*, **2002**, 2, 155-189	2.7	47
110	ENTROPY STABLE APPROXIMATIONS OF NAVIER‐STOKES EQUATIONS WITH NO ARTIFICIAL NUMERICAL VISCOSITY. *Journal of Hyperbolic Differential Equations*, **2006**, 03, 529-559	0.6	46
109	Spectral Dynamics of the Velocity Gradient Field in Restricted Flows. *Communications in Mathematical Physics*, **2002**, 228, 435-466	2	46
108	Enhanced spectral viscosity approximations for conservation laws. *Applied Numerical Mathematics*, **2000**, 33, 3-21	2.5	45
107	Advanced Numerical Approximation of Nonlinear Hyperbolic Equations. *Lecture Notes in Mathematics*, **1998**,	0.4	45
106	On the computation of measure-valued solutions. *Acta Numerica*, **2016**, 25, 567-679	15.1	45

105	Spectral viscosity approximations to multidimensional scalar conservation laws. *Mathematics of Computation*, **1993**, 61, 629-629	1.6	43
104	L^1-Stability and error estimates for approximate Hamilton-Jacobi solutions. *Numerische Mathematik*, **2001**, 87, 701-735	2.2	41
103	Adaptive Edge Detectors for Piecewise Smooth Data Based on the minmod Limiter. *Journal of Scientific Computing*, **2006**, 28, 279-306	2.3	39
102	Spectral Vanishing Viscosity Method For Nonlinear Conservation Laws. *SIAM Journal on Numerical Analysis*, **2001**, 39, 1254-1268	2.4	36
101	Non-Oscillatory Central Schemes for the Incompressible 2-D Euler Equations. *Mathematical Research Letters*, **1997**, 4, 321-340	0.6	34
100	Critical Thresholds in 2D Restricted Euler-Poisson Equations. *SIAM Journal on Applied Mathematics*, **2003**, 63, 1889-1910	1.8	32
99	The CFL condition for spectral approximations to hyperbolic initial-boundary value problems. *Mathematics of Computation*, **1991**, 56, 565-565	1.6	32
98	Stability Analysis of Finite Difference, Pseudospectral and Fourier□Galerkin Approximations for Time-Dependent Problems. *SIAM Review*, **1987**, 29, 525-555	7.4	32
97	Well-balanced schemes for the Euler equations with gravitation: Conservative formulation using global fluxes. *Journal of Computational Physics*, **2018**, 358, 36-52	4.1	31
96	The large-time behavior of the scalar, genuinely nonlinear Lax-Friedrichs scheme. *Mathematics of Computation*, **1984**, 43, 353-353	1.6	31
95	Scheme-independent stability criteria for difference approximations of hyperbolic initial-boundary value problems. II. *Mathematics of Computation*, **1981**, 36, 603-603	1.6	31
94	Velocity averaging, kinetic formulations, and regularizing effects in quasi-linear PDEs. *Communications on Pure and Applied Mathematics*, **2007**, 60, 1488-1521	2.5	30
93	Adaptive filters for piecewise smooth spectral data*. *IMA Journal of Numerical Analysis*, **2005**, 25, 635-647	1.8	30
92	The Convergence Rate of Godunov Type Schemes. *SIAM Journal on Numerical Analysis*, **1994**, 31, 1-16	2.4	30
91	Convenient Total Variation Diminishing Conditions for Nonlinear Difference Schemes. *SIAM Journal on Numerical Analysis*, **1988**, 25, 1002-1014	2.4	30
90	Multiscale hierarchical decomposition of images with applications to deblurring, denoising, and segmentation. *Communications in Mathematical Sciences*, **2008**, 6, 281-307	1	29
89	Recovering Pointwise Values of Discontinuous Data within Spectral Accuracy **1985**, 357-375		29
88	A fast, high resolution, second-order central scheme for incompressible flows. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 4848-52	11.5	28

87	Rotation prevents finite-time breakdown. *Physica D: Nonlinear Phenomena*, **2004**, 188, 262-276	3.3	28
86	Nonoscillatory Central Schemes for One- and Two-Dimensional Magnetohydrodynamics Equations. II: High-Order SemiDiscrete Schemes. *SIAM Journal of Scientific Computing*, **2006**, 28, 533-560	2.6	27
85	ENO Reconstruction and ENO Interpolation Are Stable. *Foundations of Computational Mathematics*, **2013**, 13, 139-159	2.7	26
84	Entropy functions for symmetric systems of conservation laws. *Journal of Mathematical Analysis and Applications*, **1987**, 122, 355-359	1.1	26
83	The equivalence of L2-stability, the resolvent condition, and strict H-stability. *Linear Algebra and Its Applications*, **1981**, 41, 151-159	0.9	26
82	Eulerian dynamics with a commutator forcing III. Fractional diffusion of order 0. *Physica D: Nonlinear Phenomena*, **2018**, 376-377, 131-137	3.3	25
81	On the global regularity of subcritical Euler–Poisson equations with pressure. *Journal of the European Mathematical Society*, **2008**, 757-769	1.8	25
80	Pointwise Error Estimates for Relaxation Approximations to Conservation Laws. *SIAM Journal on Mathematical Analysis*, **2000**, 32, 870-886	1.7	25
79	Pointwise Error Estimates for Scalar Conservation Laws with Piecewise Smooth Solutions. *SIAM Journal on Numerical Analysis*, **1999**, 36, 1739-1758	2.4	25
78	Eulerian dynamics with a commutator forcing II: Flocking. *Discrete and Continuous Dynamical Systems*, **2017**, 37, 5503-5520	2	25
77	On the finite time blow-up of the Euler-Poisson equations in $Bbb R^{2}$. *Communications in Mathematical Sciences*, **2008**, 6, 785-789	1	25
76	Total variation and error estimates for spectral viscosity approximations. *Mathematics of Computation*, **1993**, 60, 245-245	1.6	24
75	Global regularity of two-dimensional flocking hydrodynamics. *Comptes Rendus Mathematique*, **2017**, 355, 795-805	0.4	23
74	Spectral Reconstruction of Piecewise Smooth Functions from Their Discrete Data. *ESAIM: Mathematical Modelling and Numerical Analysis*, **2002**, 36, 155-175	1.8	23
73	Recovery of Edges from Spectral Data with Noise—A New Perspective. *SIAM Journal on Numerical Analysis*, **2008**, 46, 2620-2635	2.4	22
72	On the piecewise smoothness of entropy solutions to scalar conservation laws. *Communications in Partial Differential Equations*, **1993**, 18, 1631-1652	1.6	22
71	Scheme-independent stability criteria for difference approximations of hyperbolic initial-boundary value problems. I. *Mathematics of Computation*, **1978**, 32, 1097-1097	1.6	22
70	Central local discontinuous galerkin methods on overlapping cells for diffusion equations. *ESAIM: Mathematical Modelling and Numerical Analysis*, **2011**, 45, 1009-1032	1.8	21

69	Approximate solutions of the incompressible Euler equations with no concentrations. *Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire*, **2000**, 17, 371-412	1.6	21
68	On the stability of the unsmoothed Fourier method for hyperbolic equations. *Numerische Mathematik*, **1994**, 67, 93-129	2.2	19
67	Eulerian dynamics with a commutator forcing **2017**, 1,		18
66	On the existence and compactness of a two-dimensional resonant system of conservation laws. *Communications in Mathematical Sciences*, **2007**, 5, 253-265	1	18
65	Suppressing Chemotactic Blow-Up Through a Fast Splitting Scenario on the Plane. *Archive for Rational Mechanics and Analysis*, **2019**, 232, 951-986	2.3	18
64	Stability Analysis of Spectral Methods for Hyperbolic Initial-Boundary Value Systems. *SIAM Journal on Numerical Analysis*, **1987**, 24, 241-256	2.4	17
63	The numerical radius and specttural matrices. *Linear and Multilinear Algebra*, **1975**, 2, 317-326	0.7	17
62	Burgers' Equation with Vanishing Hyper-Viscosity. *Communications in Mathematical Sciences*, **2004**, 2, 317-324	1	17
61	Entropy Stable Schemes. *Handbook of Numerical Analysis*, **2016**, 17, 467-493	1	15
60	Multiscale image representation using novel integro-differential equations. *Inverse Problems and Imaging*, **2009**, 3, 693-710	2.1	15
59	Long-Time Existence of Smooth Solutions for the Rapidly Rotating Shallow-Water and Euler Equations. *SIAM Journal on Mathematical Analysis*, **2008**, 39, 1668-1685	1.7	14
58	Approximate solutions of nonlinear conservation laws. *Lecture Notes in Mathematics*, **1998**, 1-149	0.4	14
57	Hyperbolic systems with different time scales. *Communications on Pure and Applied Mathematics*, **1982**, 35, 839-866	2.5	14
56	Stability and spectral convergence of Fourier method for nonlinear problems: on the shortcomings of the (2/3) de-aliasing method. *Numerische Mathematik*, **2015**, 129, 749-782	2.2	13
55	Entropy stability theory for difference approximations of nonlinear conservation laws and related time-dependent problems **2003**, 451-512		13
54	Numerical radius of positive matrices. *Linear Algebra and Its Applications*, **1975**, 12, 209-214	0.9	13
53	An improved local blow-up condition for Euler–Poisson equations with attractive forcing. *Physica D: Nonlinear Phenomena*, **2009**, 238, 2062-2066	3.3	12
52	Convergence of Spectral Methods for Hyperbolic Initial-Boundary Value Systems. *SIAM Journal on Numerical Analysis*, **1987**, 24, 532-537	2.4	12

51	Convenient stability criteria for difference approximations of hyperbolic initial-boundary value problems. *Mathematics of Computation*, **1985**, 44, 361-361	1.6	12
50	Energy Preserving and Energy Stable Schemes for the Shallow Water Equations93-139		11
49	Perfect derivatives, conservative differences and entropy stable computation of hyperbolic conservation laws. *Discrete and Continuous Dynamical Systems*, **2016**, 36, 4579-4598	2	11
48	Adaptive Spectral Viscosity for Hyperbolic Conservation Laws. *SIAM Journal of Scientific Computing*, **2012**, 34, A993-A1009	2.6	10
47	Constraint Preserving Schemes Using Potential-Based Fluxes. II. Genuinely Multidimensional Systems of Conservation Laws. *SIAM Journal on Numerical Analysis*, **2011**, 49, 1023-1045	2.4	10
46	Constraint Preserving Schemes Using Potential-Based Fluxes I. Multidimensional Transport Equations. *Communications in Computational Physics*, **2011**, 9, 688-710	2.4	10
45	Integro-Differential Equations Based on (BV, L^1) Image Decomposition. *SIAM Journal on Imaging Sciences*, **2011**, 4, 300-312	1.9	10
44	Semiclassical Limit of the Nonlinear Schr□dinger-Poisson Equation with Subcritical Initial Data. *Methods and Applications of Analysis*, **2002**, 9, 517-532	0.3	10
43	Flocking Hydrodynamics with External Potentials. *Archive for Rational Mechanics and Analysis*, **2020**, 238, 347-381	2.3	9
42	Three Novel Edge Detection Methods for Incomplete and Noisy Spectral Data. *Journal of Fourier Analysis and Applications*, **2008**, 14, 744-763	1.1	9
41	On a new scale of regularity spaces with applications to Euler□ equations. *Nonlinearity*, **2001**, 14, 513-532	1.7	9
40	Topologically Based Fractional Diffusion and Emergent Dynamics with Short-Range Interactions. *SIAM Journal on Mathematical Analysis*, **2020**, 52, 5792-5839	1.7	9
39	Critical thresholds in multi-dimensional Euler-Poisson equations with radial symmetry. *Communications in Mathematical Sciences*, **2012**, 10, 75-86	1	9
38	COMPENSATED COMPACTNESS FOR 2D CONSERVATION LAWS. *Journal of Hyperbolic Differential Equations*, **2005**, 02, 697-712	0.6	8
37	Convenient stability criteria for difference approximations of hyperbolic initial-boundary value problems. II. *Mathematics of Computation*, **1987**, 48, 503-503	1.6	8
36	Flocking With Short-Range Interactions. *Journal of Statistical Physics*, **2019**, 176, 382-397	1.5	7
35	Global regularity of the 4D restricted Euler equations. *Physica D: Nonlinear Phenomena*, **2010**, 239, 1225-1231	1.3	7
34	A central differencing simulation of the Orszag-Tang vortex system. *IEEE Transactions on Plasma Science*, **2005**, 33, 470-471	1.3	7

33	An $O(N^2)$ Method for Computing the Eigensystem of $N times N$ Symmetric Tridiagonal Matrices by the Divide and Conquer Approach. *SIAM Journal on Scientific and Statistical Computing*, **1990**, 11, 161-173		7
32	Energy-Preserving and Stable Approximations for the Two-Dimensional Shallow Water Equations **2008**, 67-94		7
31	Anticipation Breeds Alignment. *Archive for Rational Mechanics and Analysis*, **2021**, 240, 203-241	2.3	5
30	A minimum entropy principle in the compressible multicomponent Euler equations. *ESAIM: Mathematical Modelling and Numerical Analysis*, **2020**, 54, 373-389	1.8	4
29	Constraint preserving schemes using potential-based fluxes. III. Genuinely multi-dimensional schemes for MHD equations. *ESAIM: Mathematical Modelling and Numerical Analysis*, **2012**, 46, 661-680	1.8	4
28	Optimal regularity in time and space for the porous medium equation. *Analysis and PDE*, **2020**, 13, 2441-2480	1.7	4
27	Potential based, constraint preserving, genuinely multi-dimensional schemes for systems of conservation laws. *Contemporary Mathematics*, **2010**, 295-314	1.6	4
26	The unconditional instability of inflow-dependent boundary conditions in difference approximations to hyperbolic systems. *Mathematics of Computation*, **1983**, 41, 309-309	1.6	4
25	Multiflocks: Emergent Dynamics in Systems with Multiscale Collective Behavior. *Multiscale Modeling and Simulation*, **2021**, 19, 1115-1141	1.8	4
24	Optimality of the Lax-Wendroff condition. *Linear Algebra and Its Applications*, **1984**, 56, 121-129	0.9	3
23	Scheme Independent Stability Criteria for Difference Approximations to Hyperbolic Initial Boundary Value Systems. **1979**,		3
22	Approximate solutions of nonlinear conservation laws and related equations. *Proceedings of Symposia in Applied Mathematics*, **1997**, 325-368		3
21	A game of alignment: Collective behavior of multi-species. *Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire*, **2021**, 38, 1031-1053	1.6	3
20	Hierarchical Construction of Bounded Solutions in Critical Regularity Spaces. *Communications on Pure and Applied Mathematics*, **2016**, 69, 1087-1109	2.5	2
19	Dissipation versus quadratic nonlinearity: from a priori energy bound to higher order regularizing effect. *Nonlinearity*, **2014**, 27, 545-562	1.7	2
18	Complex symmetric matrices with strongly stable iterates. *Linear Algebra and Its Applications*, **1986**, 78, 65-77	0.9	2
17	Hierarchical Construction of Bounded Solutions of div U=F in Critical Regularity Spaces. *Abel Symposia*, **2012**, 255-269	0.9	2
16	On the entropy stability of Roe-type finite volume methods. *Proceedings of Symposia in Applied Mathematics*, **2009**, 765-774		2

15	Entropy stability of Roe-type upwind finite volume methods on unstructured grids. *Proceedings of Symposia in Applied Mathematics*, **2009**, 775-784		2
14	Vorticity preserving schemes using potential-based fluxes for the system wave equation. *Proceedings of Symposia in Applied Mathematics*, **2009**, 795-804		2
13	An O(N2) method for computing the eigensystem of N ×N symmetric tridiagonal matrices by the divide-and-conquer approach. *Linear Algebra and Its Applications*, **1989**, 120, 257-258	0.9	1
12	Simple Stability Criteria for Difference Approximations of Hyperbolic Initial-Boundary Value Problems **1989**, 179-185		1
11	An Adaptive Order Godunov Type Central Scheme **2003**, 871-880		1
10	Pointwise Convergence Rate for Nonlinear Conservation Laws **1999**, 925-934		1
9	Geometric structure of mass concentration sets for pressureless Euler alignment systems. *Advances in Mathematics*, **2022**, 401, 108290	1.3	1
8	Newtonian repulsion and radial confinement: Convergence toward steady state. *Mathematical Models and Methods in Applied Sciences*, **2021**, 31, 1297-1321	3.5	0
7	Conservative Third-Order Central-Upwind Schemes for Option Pricing Problems. *Vietnam Journal of Mathematics*, **2019**, 47, 813-833	0.5	
6	The entropy dissipation by numerical viscosity in nonlinear conservative difference schemes. *Lecture Notes in Mathematics*, **1987**, 52-63	0.4	
5	A new commutator method for averaging lemmas. *Séminaire Laurent Schwartz EDP Et Applications*,1-19		
4	Convergence of the spectral viscosity method for nonlinear conservation laws **1989**, 548-552		
3	Critical Thresholds and Conditional Stability for Euler Equations and Related Models **2003**, 227-240		
2	Selected Topics in Approximate Solutions of Nonlinear Conservation Laws. High-Resolution Central Schemes. *The IMA Volumes in Mathematics and Its Applications*, **2011**, 101-122	0.5	
1	Entropy Stable ENO Scheme. *Series in Contemporary Applied Mathematics*, **2012**, 12-27	0	