

Giuseppe Toscani

List of Publications by Year in descending order

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178
papers

6,382
citations

66343

42
h-index

79698

73
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182
all docs

182
docs citations

182
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Vaccination Efficacy on Wealth Distribution in Kinetic Epidemic Models. <i>Entropy</i> , 2022, 24, 216.	2.2	6
2	One-Dimensional Fokker-Planck Equations and Functional Inequalities for Heavy Tailed Densities. <i>Milan Journal of Mathematics</i> , 2022, 90, 177-208.	1.1	1
3	Kinetic exchange models of societies and economies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210170.	3.4	1
4	Optimal control of epidemic spreading in the presence of social heterogeneity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210160.	3.4	18
5	Heat equation with an exponential nonlinear boundary condition in the half space. <i>SN Partial Differential Equations and Applications</i> , 2022, 3, 1.	0.6	0
6	Entropy-type inequalities for generalized Gamma densities. <i>Ricerche Di Matematica</i> , 2021, 70, 35-50.	1.0	9
7	Statistical Description of Human Addiction Phenomena. <i>SEMA SIMAI Springer Series</i> , 2021, , 209-226.	0.7	6
8	Social contacts, epidemic spreading and health system. Mathematical modeling and applications to COVID-19 infection. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 3384-3403.	1.9	10
9	Control of tumor growth distributions through kinetic methods. <i>Journal of Theoretical Biology</i> , 2021, 514, 110579.	1.7	15
10	A data-driven epidemic model with social structure for understanding the COVID-19 infection on a heavily affected Italian province. <i>Mathematical Models and Methods in Applied Sciences</i> , 2021, 31, 2533-2570.	3.3	15
11	Wealth distribution under the spread of infectious diseases. <i>Physical Review E</i> , 2020, 102, 022303.	2.1	42
12	Economic Segregation Under the Action of Trading Uncertainties. <i>Symmetry</i> , 2020, 12, 1390.	2.2	3
13	Non-Maxwellian kinetic equations modeling the dynamics of wealth distribution. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020, 30, 685-725.	3.3	24
14	Social climbing and Amoroso distribution. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020, 30, 2229-2262.	3.3	11
15	Kinetic modelling of multiple interactions in socio-economic systems. <i>Networks and Heterogeneous Media</i> , 2020, 15, 519-542.	1.1	11
16	Poincaré-type inequalities for stable densities. <i>Ricerche Di Matematica</i> , 2019, 68, 225-236.	1.0	1
17	The information-theoretic meaning of Gagliardo-Nirenberg type inequalities. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2019, 30, 237-253.	0.6	2
18	Multiple-interaction kinetic modeling of a virtual-item gambling economy. <i>Physical Review E</i> , 2019, 100, 012308.	2.1	9

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19	Kinetic Modeling of Alcohol Consumption. Journal of Statistical Physics, 2019, 177, 1022-1042.	1.2	21
20	Hydrodynamic Models of Preference Formation in Multi-agent Societies. Journal of Nonlinear Science, 2019, 29, 2761-2796.	2.1	16
21	Wrightâ€™Fisherâ€™type equations for opinion formation, large time behavior and weighted logarithmic-Sobolev inequalities. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2019, 36, 2065-2082.	1.4	10
22	Size distribution of cities: A kinetic explanation. Physica A: Statistical Mechanics and Its Applications, 2019, 524, 221-234.	2.6	13
23	Human behavior and lognormal distribution. A kinetic description. Mathematical Models and Methods in Applied Sciences, 2019, 29, 717-753.	3.3	51
24	Kinetic models for goods exchange in a multi-agent market. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 362-375.	2.6	11
25	Call center service times are lognormal: A Fokkerâ€™Planck description. Mathematical Models and Methods in Applied Sciences, 2018, 28, 1513-1527.	3.3	32
26	Kinetic models for optimal control of wealth inequalities. European Physical Journal B, 2018, 91, 1.	1.5	30
27	Pareto tails in socio-economic phenomena: a kinetic description. Economics, 2018, 12, .	0.6	16
28	Opinion modeling on social media and marketing aspects. Physical Review E, 2018, 98, 022315.	2.1	30
29	On a Fokker-Planck equation for wealth distribution. Kinetic and Related Models, 2018, 11, 337-355.	0.9	9
30	A Rosenau-type approach to the approximation of the linear Fokker-Planck equation. Kinetic and Related Models, 2018, 11, 697-714.	0.9	1
31	Wealth distribution in presence of debts: A Fokkerâ€™Planck description. Communications in Mathematical Sciences, 2018, 16, 537-560.	1.0	14
32	Score functions, generalized relative Fisher information and applications. Ricerche Di Matematica, 2017, 66, 15-26.	1.0	6
33	Fokkerâ€™Planck equations in the modeling of socio-economic phenomena. Mathematical Models and Methods in Applied Sciences, 2017, 27, 115-158.	3.3	101
34	Recent Advances in Opinion Modeling: Control and Social Influence. Modeling and Simulation in Science, Engineering and Technology, 2017, , 49-98.	0.6	21
35	Continuum models in wealth distribution. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2017, 28, 451-461.	0.6	0
36	Sharp cooling rates in nonlinear friction equations. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2016, 27, 127-146.	0.6	0

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37	Entropy Inequalities for Stable Densities and Strengthened Central Limit Theorems. Journal of Statistical Physics, 2016, 165, 371-389.	1.2	4
38	Kinetic and mean field description of Gibrat's law. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 802-811.	2.6	3
39	The fractional Fisher information and the central limit theorem for stable laws. Ricerche Di Matematica, 2016, 65, 71-91.	1.0	10
40	Nonlinear diffusions: Extremal properties of Barenblatt profiles, best matching and delays. Nonlinear Analysis: Theory, Methods & Applications, 2016, 138, 31-43.	1.1	12
41	A Strengthened Entropy Power Inequality for Log-Concave Densities. IEEE Transactions on Information Theory, 2015, 61, 6550-6559.	2.4	17
42	Kinetic models of opinion formation in the presence of personal conviction. Physical Review E, 2015, 92, 052818.	2.1	42
43	Mean field dynamics of interaction processes with duplication, loss and copy. Mathematical Models and Methods in Applied Sciences, 2015, 25, 1887-1925.	3.3	12
44	Best matching Barenblatt profiles are delayed. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 065206.	2.1	8
45	A concavity property for the reciprocal of Fisher information and its consequences on Costa's EPI. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 35-42.	2.6	11
46	Boltzmann-type models for price formation in the presence of behavioral aspects. Networks and Heterogeneous Media, 2015, 10, 543-557.	1.1	6
47	On Rosenau-type approximations to fractional diffusion equations. Communications in Mathematical Sciences, 2015, 13, 1163-1191.	1.0	2
48	Explicit equilibria in bilinear kinetic models for socio-economic interactions. ESAIM Proceedings and Surveys, 2014, 47, 1-16.	0.4	9
49	Rényi entropy and improved equilibration rates to self-similarity for nonlinear diffusion equations. Nonlinearity, 2014, 27, 3159-3177.	1.4	11
50	The Concavity of Rényi Entropy Power. IEEE Transactions on Information Theory, 2014, 60, 2687-2693.	2.4	42
51	Wealth distribution and collective knowledge: a Boltzmann approach. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130396.	3.4	50
52	Heat Equation and Convolution Inequalities. Milan Journal of Mathematics, 2014, 82, 183-212.	1.1	7
53	Rényi Entropies and Nonlinear Diffusion Equations. Acta Applicandae Mathematicae, 2014, 132, 595-604.	1.0	10
54	Kinetic Models for the Trading of Goods. Journal of Statistical Physics, 2013, 151, 549-566.	1.2	51

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55	Large-Time Behavior of the Solutions to Rosenau-Type Approximations to the Heat Equation. SIAM Journal on Applied Mathematics, 2013, 73, 1416-1438.	1.8	2
56	Improved interpolation inequalities, relative entropy and fast diffusion equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2013, 30, 917-934.	1.4	26
57	An information-theoretic proof of Nash's inequality. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2013, 24, 83-93.	0.6	10
58	A kinetic description of mutation processes in bacteria. Kinetic and Related Models, 2013, 6, 1043-1055.	0.9	10
59	Finite Time Blow Up in Kaniadakis's Quarati Model of Bose-Einstein Particles. Communications in Partial Differential Equations, 2012, 37, 77-87.	2.2	19
60	The Grazing Collision Limit of the Inelastic Kac Model around a Levy-type Equilibrium. SIAM Journal on Mathematical Analysis, 2012, 44, 827-850.	1.9	14
61	Variation on a theme by Bobylev and Villani. Comptes Rendus Mathematique, 2012, 350, 107-110.	0.3	1
62	Measure valued solutions of sub-linear diffusion equations with a drift term. Discrete and Continuous Dynamical Systems, 2012, 32, 1675-1707.	0.9	3
63	Kinetic Models with Randomly Perturbed Binary Collisions. Journal of Statistical Physics, 2011, 142, 686-709.	1.2	12
64	Convex Sobolev Inequalities Derived from Entropy Dissipation. Archive for Rational Mechanics and Analysis, 2011, 199, 563-596.	2.4	16
65	Fluid dynamic description of flocking via the Povzner's Boltzmann equation. Physica D: Nonlinear Phenomena, 2011, 240, 21-31.	2.8	72
66	The grazing collision limit of Kac caricature of Bose-Einstein particles. Asymptotic Analysis, 2011, 72, 201-229.	0.5	1
67	Fast diffusion equations: Matching large time asymptotics by relative entropy methods. Kinetic and Related Models, 2011, 4, 701-716.	0.9	20
68	On the minimization problem of sub-linear convex functionals. Kinetic and Related Models, 2011, 4, 857-871.	0.9	10
69	A Kinetic Flocking Model with Diffusion. Communications in Mathematical Physics, 2010, 300, 95-145.	2.2	97
70	Convergence to self-similarity for the Boltzmann equation for strongly inelastic Maxwell molecules. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 719-737.	1.4	6
71	Explicit equilibria in a kinetic model of gambling. Physical Review E, 2010, 81, 066115.	2.1	33
72	Propagation of Sobolev regularity for a class of random kinetic models on the real line. Nonlinearity, 2010, 23, 2081-2100.	1.4	6

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73	Particle, kinetic, and hydrodynamic models of swarming. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2010, , 297-336.	0.6	199
74	Asymptotic Flocking Dynamics for the Kinetic Cucker-Smale Model. <i>SIAM Journal on Mathematical Analysis</i> , 2010, 42, 218-236.	1.9	361
75	Wealth Redistribution in Boltzmann-like Models of Conservative Economies. <i>New Economic Windows</i> , 2010, , 71-82.	1.0	5
76	Wealth redistribution in conservative linear kinetic models. <i>Europhysics Letters</i> , 2009, 88, 10007.	2.0	12
77	The Wasserstein Gradient Flow of the Fisher Information and the Quantum Drift-diffusion Equation. <i>Archive for Rational Mechanics and Analysis</i> , 2009, 194, 133-220.	2.4	102
78	The diffusive limit of Carleman-type models in the range of very fast diffusion equations. <i>Journal of Evolution Equations</i> , 2009, 9, 67-80.	1.1	6
79	Strong convergence towards self-similarity for one-dimensional dissipative Maxwell models. <i>Journal of Functional Analysis</i> , 2009, 257, 2291-2324.	1.4	2
80	Over-populated tails for conservative-in-the-mean inelastic Maxwell models. <i>Discrete and Continuous Dynamical Systems</i> , 2009, 24, 59-81.	0.9	15
81	A Boltzmann-like equation for choice formation. <i>Kinetic and Related Models</i> , 2009, 2, 135-149.	0.9	35
82	Kinetic models of conservative economies with wealth redistribution. <i>Communications in Mathematical Sciences</i> , 2009, 7, 901-916.	1.0	37
83	On Steady Distributions of Kinetic Models of Conservative Economies. <i>Journal of Statistical Physics</i> , 2008, 130, 1087-1117.	1.2	88
84	On the hydrodynamic closure of a transport-diffusion equation. <i>Europhysics Letters</i> , 2008, 83, 40007.	2.0	0
85	Kinetic equations modelling wealth redistribution: A comparison of approaches. <i>Physical Review E</i> , 2008, 78, 056103.	2.1	100
86	Propagation of Gevrey regularity for solutions of the Boltzmann equation for Maxwellian molecules. <i>Transactions of the American Mathematical Society</i> , 2008, 361, 1731-1747.	0.9	42
87	Hydrodynamics from the Dissipative Boltzmann Equation. <i>Lecture Notes in Mathematics</i> , 2008, , 59-75.	0.2	7
88	Analysis of a model for wealth redistribution. <i>Kinetic and Related Models</i> , 2008, 1, 1-27.	0.9	18
89	Relaxation rate, diffusion approximation and Fick's law for inelastic scattering Boltzmann models. <i>Kinetic and Related Models</i> , 2008, 1, 223-248.	0.9	8
90	First-Order Continuous Models of Opinion Formation. <i>SIAM Journal on Applied Mathematics</i> , 2007, 67, 837-853.	1.8	55

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91	Hydrodynamics from kinetic models of conservative economies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 384, 493-506.	2.6	55
92	Kinetic Approach to Long time Behavior of Linearized Fast Diffusion Equations. <i>Journal of Statistical Physics</i> , 2007, 128, 883-925.	1.2	16
93	A Nonlinear Fourth-Order Parabolic Equation with Nonhomogeneous Boundary Conditions. <i>SIAM Journal on Mathematical Analysis</i> , 2006, 37, 1761-1779.	1.9	27
94	Identification of Asymptotic Decay to Self-Similarity for One-Dimensional Filtration Equations. <i>SIAM Journal on Numerical Analysis</i> , 2006, 43, 2590-2606.	2.3	45
95	Lagrangian Numerical Approximations to One-Dimensional Convolution-Diffusion Equations. <i>SIAM Journal of Scientific Computing</i> , 2006, 28, 1203-1227.	2.8	40
96	Strict contractivity of the 2-Wasserstein distance for the porous medium equation by mass-centering. <i>Proceedings of the American Mathematical Society</i> , 2006, 135, 353-363.	0.8	19
97	Self-Similarity and Power-Like Tails in Nonconservative Kinetic Models. <i>Journal of Statistical Physics</i> , 2006, 124, 747-779.	1.2	51
98	Decay Rates in Probability Metrics Towards Homogeneous Cooling States for the Inelastic Maxwell Model. <i>Journal of Statistical Physics</i> , 2006, 124, 625-653.	1.2	30
99	Intermediate Asymptotics Beyond Homogeneity and Self-Similarity: Long Time Behavior for $u_t = \hat{\mathcal{I}}''(u)$. <i>Archive for Rational Mechanics and Analysis</i> , 2006, 180, 127-149.	2.4	43
100	Kinetic models of opinion formation. <i>Communications in Mathematical Sciences</i> , 2006, 4, 481-496.	1.0	277
101	Accurate numerical methods for the collisional motion of (heated) granular flows. <i>Journal of Computational Physics</i> , 2005, 202, 216-235.	3.8	16
102	A central limit theorem for solutions of the porous medium equation. <i>Journal of Evolution Equations</i> , 2005, 5, 185-203.	1.1	43
103	Long-Time Behavior of Nonautonomous Fokker-Planck Equations and Cooling of Granular Gases. <i>Ukrainian Mathematical Journal</i> , 2005, 57, 923-935.	0.5	0
104	Contractive Metrics for a Boltzmann Equation for Granular Gases: Diffusive Equilibria. <i>Journal of Statistical Physics</i> , 2005, 118, 301-331.	1.2	38
105	On a Kinetic Model for a Simple Market Economy. <i>Journal of Statistical Physics</i> , 2005, 120, 253-277.	1.2	172
106	Large-time asymptotics for nonlinear diffusions: the initial-boundary value problem. <i>Journal of Mathematical Physics</i> , 2005, 46, 023502.	1.1	3
107	Grad's equations and hydrodynamics for weakly inelastic granular flows. <i>Physics of Fluids</i> , 2004, 16, 4235-4247.	4.0	24
108	Asymptotic Properties of the Inelastic Kac Model. <i>Journal of Statistical Physics</i> , 2004, 114, 1453-1480.	1.2	40

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109	Kinetic and Hydrodynamic Models of Nearly Elastic Granular Flows. Monatshefte Fur Mathematik, 2004, 142, 179-192.	0.9	32
110	Dissipative Linear Boltzmann Equation for Hard Spheres. Journal of Statistical Physics, 2004, 117, 635-664.	1.2	17
111	Long-Time Asymptotics of Kinetic Models of Granular Flows. Archive for Rational Mechanics and Analysis, 2004, 172, 407-428.	2.4	87
112	Asymptotic-preserving & well-balanced schemes for radiative transfer and the Rosseland approximation. Numerische Mathematik, 2004, 98, 223-250.	1.9	35
113	The dissipative linear boltzmann equation. Applied Mathematics Letters, 2004, 17, 295-301.	2.7	13
114	A kinetic approximation of Heleâ€“Shaw flow. Comptes Rendus Mathematique, 2004, 338, 177-182.	0.3	3
115	Finite speed of propagation in porous media by mass transportation methods. Comptes Rendus Mathematique, 2004, 338, 815-818.	0.3	31
116	Long-time behavior for a nonlinear fourth-order parabolic equation. Transactions of the American Mathematical Society, 2004, 357, 1161-1175.	0.9	34
117	Modelling and numerical methods for granular gases. Modeling and Simulation in Science, Engineering and Technology, 2004, , 259-285.	0.6	3
118	Kinetic and Hydrodynamic Models of Nearly Elastic Granular Flows. , 2004, , 179-192.		0
119	Self-similar solutions of a nonlinear friction equation in higher dimensions. Annali Dell'Universita Di Ferrara, 2004, 50, 91-110.	1.3	1
120	Title is missing!. Journal of Statistical Physics, 2003, 111, 403-417.	1.2	73
121	Exponential time decay of solutions to a nonlinear fourth-order parabolic equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2003, 54, 377-386.	1.4	36
122	Spectral methods for the non cut-off Boltzmann equation and numerical grazing collision limit. Numerische Mathematik, 2003, 93, 527-548.	1.9	28
123	Exponential decay in time of solutions of the viscous quantum hydrodynamic equations. Applied Mathematics Letters, 2003, 16, 1273-1278.	2.7	26
124	Space Localization and Well-Balanced Schemes for Discrete Kinetic Models in Diffusive Regimes. SIAM Journal on Numerical Analysis, 2003, 41, 641-658.	2.3	51
125	Spectral methods for one-dimensional kinetic models of granular flows and numerical quasi elastic limit. ESAIM: Mathematical Modelling and Numerical Analysis, 2003, 37, 73-90.	1.9	15
126	PoincarÃ© inequalities for linearizations of very fast diffusion equations. Nonlinearity, 2002, 15, 565-580.	1.4	23

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127	Long-Time Asymptotics for Strong Solutions of the Thin Film Equation. Communications in Mathematical Physics, 2002, 225, 551-571.	2.2	93
128	Fourier-Based Distances and Berry-Esseen Like Inequalities for Smooth Densities. Monatshefte Fur Mathematik, 2002, 135, 115-136.	0.9	18
129	An asymptotic-preserving well-balanced scheme for the hyperbolic heat equations. Comptes Rendus Mathematique, 2002, 334, 337-342.	0.3	93
130	Time rescaling and asymptotic behavior of some fourth-order degenerate diffusion equations. Computers and Mathematics With Applications, 2002, 43, 721-736.	2.7	18
131	ON CONVEX SOBOLEV INEQUALITIES AND THE RATE OF CONVERGENCE TO EQUILIBRIUM FOR FOKKER-PLANCK TYPE EQUATIONS. Communications in Partial Differential Equations, 2001, 26, 43-100.	2.2	306
132	Entropy Dissipation Methods for Degenerate Parabolic Problems and Generalized Sobolev Inequalities. Monatshefte Fur Mathematik, 2001, 133, 1-82.	0.9	280
133	Fast Spectral Methods for the Fokker-Planck-Landau Collision Operator. Journal of Computational Physics, 2000, 165, 216-236.	3.8	82
134	On the Trend to Equilibrium for Some Dissipative Systems with Slowly Increasing a Priori Bounds. Journal of Statistical Physics, 2000, 98, 1279-1309.	1.2	68
135	On Generalized Csisz�r-Kullback Inequalities. Monatshefte Fur Mathematik, 2000, 131, 235-253.	0.9	52
136	One-dimensional kinetic models of granular flows. ESAIM: Mathematical Modelling and Numerical Analysis, 2000, 34, 1277-1291.	1.9	94
137	On large time asymptotics for drift-diffusion-poisson systems. Transport Theory and Statistical Physics, 2000, 29, 571-581.	0.4	47
138	Uniformly Accurate Diffusive Relaxation Schemes for Multiscale Transport Equations. SIAM Journal on Numerical Analysis, 2000, 38, 913-936.	2.3	152
139	Remarks on entropy and equilibrium states. Applied Mathematics Letters, 1999, 12, 19-25.	2.7	25
140	Propagation of Smoothness and the Rate of Exponential Convergence to Equilibrium for a Spatially Homogeneous Maxwellian Gas. Communications in Mathematical Physics, 1999, 199, 521-546.	2.2	78
141	Sharp Entropy Dissipation Bounds and Explicit Rate of Trend to Equilibrium for the Spatially Homogeneous Boltzmann Equation. Communications in Mathematical Physics, 1999, 203, 667-706.	2.2	94
142	Entropy production and the rate of convergence to equilibrium for the Fokker-Planck equation. Quarterly of Applied Mathematics, 1999, 57, 521-541.	0.7	86
143	Title is missing!. Journal of Statistical Physics, 1999, 94, 619-637.	1.2	91
144	Hyperbolic Relaxation Approximation to Nonlinear Parabolic Problems. , 1999, , 747-756.		3

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145	Diffusive Relaxation Schemes for Multiscale Discrete-Velocity Kinetic Equations. <i>SIAM Journal on Numerical Analysis</i> , 1998, 35, 2405-2439.	2.3	140
146	Relaxation Schemes for Nonlinear Kinetic Equations. <i>SIAM Journal on Numerical Analysis</i> , 1997, 34, 2168-2194.	2.3	90
147	Diffusive limit for finite velocity Boltzmann kinetic models. <i>Revista Matematica Iberoamericana</i> , 1997, 13, 473-513.	0.9	106
148	The theory of the nonlinear Boltzmann equation for Maxwell molecules in Fourier representation. <i>Annali Di Matematica Pura Ed Applicata</i> , 1996, 171, 181-204.	1.0	24
149	Two dimensional half-space problems for the Broadwell discrete velocity model. <i>Continuum Mechanics and Thermodynamics</i> , 1996, 8, 257-274.	2.2	10
150	A Strengthened Central Limit Theorem for Smooth Densities. <i>Journal of Functional Analysis</i> , 1995, 129, 148-167.	1.4	23
151	Metrics for probability distributions and the trend to equilibrium for solutions of the Boltzmann equation. <i>Journal of Statistical Physics</i> , 1995, 81, 901-934.	1.2	91
152	Strong convergence in L^p for a spatially homogeneous Maxwell gas with cut-off. <i>Transport Theory and Statistical Physics</i> , 1995, 24, 319-328.	0.4	1
153	On convergence to equilibrium for Kac's caricature of a Maxwell gas. <i>Journal of Mathematical Physics</i> , 1994, 35, 190-208.	1.1	7
154	On the generalization of the Boltzmann H-theorem for a spatially homogeneous Maxwell gas. <i>Journal of Mathematical Physics</i> , 1992, 33, 2578-2586.	1.1	21
155	New a priori estimates for the spatially homogeneous Boltzmann equation. <i>Continuum Mechanics and Thermodynamics</i> , 1992, 4, 81-93.	2.2	20
156	Convergence towards equilibrium for a gas of Maxwellian Pseudomolecules. <i>Continuum Mechanics and Thermodynamics</i> , 1992, 4, 95-107.	2.2	5
157	Lyapunov functionals for a Maxwell gas. <i>Archive for Rational Mechanics and Analysis</i> , 1992, 119, 301-307.	2.4	7
158	Global solution of the Boltzmann equation for rigid spheres and initial data close to a local Maxwellian. <i>Journal of Mathematical Physics</i> , 1989, 30, 2445-2450.	1.1	16
159	On the initial value problem for the Boltzmann equation with a force term. <i>Transport Theory and Statistical Physics</i> , 1989, 18, 87-102.	0.4	18
160	On the cauchy problem for the discrete Boltzmann equation with initial values in L^1 (?). <i>Communications in Mathematical Physics</i> , 1989, 121, 121-142.	2.2	13
161	Global solution of the initial value problem for the Boltzmann equation near a local Maxwellian. <i>Archive for Rational Mechanics and Analysis</i> , 1988, 102, 231-241.	2.4	34
162	The nonlinear Boltzmann equation with partially absorbing boundary conditions. Global existence and uniqueness results. <i>Journal of Mathematical Physics</i> , 1987, 28, 1140-1145.	1.1	3

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163	New results on the Boltzmann equation in unbounded domains. <i>Transport Theory and Statistical Physics</i> , 1987, 16, 223-230.	0.4	1
164	New results on the semidiscrete Boltzmann equation for a binary gas mixture. <i>Meccanica</i> , 1987, 22, 179-184.	2.0	3
165	H-theorem and asymptotic trend of the solution for a rarefied gas in the vacuum. <i>Archive for Rational Mechanics and Analysis</i> , 1987, 100, 1-12.	2.4	34
166	The Enskog-Boltzmann equation in the whole space \mathbb{R}^3 : Some global existence, uniqueness and stability results. <i>Computers and Mathematics With Applications</i> , 1987, 13, 851-859.	2.7	27
167	On the non-linear Boltzmann equation in unbounded domains. <i>Archive for Rational Mechanics and Analysis</i> , 1986, 95, 37-49.	2.4	46
168	On the asymptotic behaviour and stability of the solution for the Broadwell model of the Boltzmann equation in three dimensions. <i>Mathematical Methods in the Applied Sciences</i> , 1985, 7, 340-345.	2.3	3
169	The semidiscrete Boltzmann equation for hard-spheres. <i>Meccanica</i> , 1985, 20, 249-252.	2.0	5
170	On the Cauchy problem for the nonlinear Boltzmann equation global existence uniqueness and asymptotic stability. <i>Journal of Mathematical Physics</i> , 1985, 26, 334-338.	1.1	87
171	Global existence and asymptotic behavior for the discrete velocity models of the Boltzmann equation. <i>Journal of Mathematical Physics</i> , 1985, 26, 2918-2921.	1.1	14
172	On the discrete velocity models of the Boltzmann equation in several dimensions. <i>Annali Di Matematica Pura Ed Applicata</i> , 1984, 138, 297-308.	1.0	9
173	Statistical equilibrium of a classical, randomly driven radiating system. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1975, 14, 101-107.	0.4	4
174	Stability Results for Logarithmic Sobolev and Gagliardo‐Nirenberg Inequalities. <i>International Mathematics Research Notices</i> , 0, , rnv131.	1.0	10
175	A Boltzmann-Type Approach to the Formation of Wealth Distribution Curves. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
176	International and Domestic Trading and Wealth Distribution. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
177	Kinetic Equations Modelling Wealth Redistribution: A Comparison of Approaches. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
178	A multi-agent description of the influence of higher education on social stratification. <i>Journal of Economic Interaction and Coordination</i> , 0, , .	0.7	2