Giuseppe Toscani

List of Publications by Year
in descending order

178 papers	6,382 citations	42 h-index (66343)	73 g-index (79698)
182 all docs	182 docs citations	182 times ranked	1455 citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic Flocking Dynamics for the Kinetic Cucker–Smale Model. SIAM Journal on Mathematical Analysis, 2010, 42, 218-236.	1.9	361
2	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
3	Entropy Dissipation Methods for Degenerate ParabolicProblems and Generalized Sobolev Inequalities. Monatshefte Fur Mathematik, 2001, 133, 1-82.	0.9	280
4	Kinetic models of opinion formation. Communications in Mathematical Sciences, 2006, 4, 481-496.	1.0	277
5	Particle, kinetic, and hydrodynamic models of swarming. Modeling and Simulation in Science, Engineering and Technology, 2010, , 297-336.	0.6	199
6	On a Kinetic Model for a Simple Market Economy. Journal of Statistical Physics, 2005, 120, 253-277.	1.2	172
7	Uniformly Accurate Diffusive Relaxation Schemes for Multiscale Transport Equations. SIAM Journal on Numerical Analysis, 2000, 38, 913-936.	2.3	152
8	Diffusive Relaxation Schemes for Multiscale Discrete-Velocity Kinetic Equations. SIAM Journal on Numerical Analysis, 1998, 35, 2405-2439.	2.3	140
9	Diffusive limit for finite velocity Boltzmann kinetic models. Revista Matematica Iberoamericana, 1997, 13, 473-513.	0.9	106
10	The Wasserstein Gradient Flow of the Fisher Information and the Quantum Drift-diffusion Equation. Archive for Rational Mechanics and Analysis, 2009, 194, 133-220.	2.4	102
11	Fokker–Planck equations in the modeling of socio-economic phenomena. Mathematical Models and Methods in Applied Sciences, 2017, 27, 115-158.	3.3	101
12	Kinetic equations modelling wealth redistribution: A comparison of approaches. Physical Review E, 2008, 78, 056103.	2.1	100
13	A Kinetic Flocking Model with Diffusion. Communications in Mathematical Physics, 2010, 300, 95-145.	2.2	97
14	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
15	One-dimensional kinetic models of granular flows. ESAIM: Mathematical Modelling and Numerical Analysis, 2000, 34, 1277-1291.	1.9	94
16	Long-Time Asymptotics for Strong Solutions¶of the Thin Film Equation. Communications in Mathematical Physics, 2002, 225, 551-571.	2.2	93
17	An asymptotic-preserving well-balanced scheme for the hyperbolic heat equations. Comptes Rendus Mathematique, 2002, 334, 337-342.	0.3	93
18	Metrics for probability distributions and the trend to equilibrium for solutions of the Boltzmann equation. Journal of Statistical Physics, 1995, 81, 901-934.	1.2	91

#	Article	IF	Citations
19	Title is missing!. Journal of Statistical Physics, 1999, 94, 619-637.	1.2	91
20	Relaxation Schemes for Nonlinear Kinetic Equations. SIAM Journal on Numerical Analysis, 1997, 34, 2168-2194.	2.3	90
21	On Steady Distributions of Kinetic Models of Conservative Economies. Journal of Statistical Physics, 2008, 130, 1087-1117.	1.2	88
22	On the Cauchy problem for the nonlinear Boltzmann equation global existence uniqueness and asymptotic stability. Journal of Mathematical Physics, 1985, 26, 334-338.	1.1	87
23	Long-Time Asymptotics of Kinetic Models of Granular Flows. Archive for Rational Mechanics and Analysis, 2004, 172, 407-428.	2.4	87
24	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
25	Fast Spectral Methods for the Fokker–Planck–Landau Collision Operator. Journal of Computational Physics, 2000, 165, 216-236.	3.8	82
26	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
27	Title is missing!. Journal of Statistical Physics, 2003, 111, 403-417.	1.2	73
28	Fluid dynamic description of flocking via the Povzner–Boltzmann equation. Physica D: Nonlinear Phenomena, 2011, 240, 21-31.	2.8	72
29	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
30	First–Order Continuous Models of Opinion Formation. SIAM Journal on Applied Mathematics, 2007, 67, 837-853.	1.8	55
31	Hydrodynamics from kinetic models of conservative economies. Physica A: Statistical Mechanics and Its Applications, 2007, 384, 493-506.	2.6	55
32	On Generalized Csiszár-Kullback Inequalitieys. Monatshefte Fur Mathematik, 2000, 131, 235-253.	0.9	52
33	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
34	Self-Similarity and Power-Like Tails in Nonconservative Kinetic Models. Journal of Statistical Physics, 2006, 124, 747-779.	1.2	51
35	Kinetic Models for the Trading of Goods. Journal of Statistical Physics, 2013, 151, 549-566.	1.2	51
36	Human behavior and lognormal distribution. A kinetic description. Mathematical Models and Methods in Applied Sciences, 2019, 29, 717-753.	3.3	51

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37	Wealth distribution and collective knowledge: a Boltzmann approach. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130396.	3.4	50
38	On large time asymptotics for drift-diffusion-poisson systems. Transport Theory and Statistical Physics, 2000, 29, 571-581.	0.4	47
39	On the non-linear Boltzmann equation in unbounded domains. Archive for Rational Mechanics and Analysis, 1986, 95, 37-49.	2.4	46
40	Identification of Asymptotic Decay to Self-Similarity for One-Dimensional Filtration Equations. SIAM Journal on Numerical Analysis, 2006, 43, 2590-2606.	2.3	45
41	A central limit theorem for solutions of the porous medium equation. Journal of Evolution Equations, 2005, 5, 185-203.	1.1	43
42	Intermediate Asymptotics Beyond Homogeneity and Self-Similarity: Long Time Behavior for u t = Î"Ï•(u). Archive for Rational Mechanics and Analysis, 2006, 180, 127-149.	2.4	43
43	Propagation of Gevrey regularity for solutions of the Boltzmann equation for Maxwellian molecules. Transactions of the American Mathematical Society, 2008, 361, 1731-1747.	0.9	42
44	The Concavity of RÃ©nyi Entropy Power. IEEE Transactions on Information Theory, 2014, 60, 2687-2693.	2.4	42
45	Kinetic models of opinion formation in the presence of personal conviction. Physical Review E, 2015, 92, 052818.	2.1	42
46	Wealth distribution under the spread of infectious diseases. Physical Review E, 2020, 102, 022303.	2.1	42
47	Asymptotic Properties of the Inelastic Kac Model. Journal of Statistical Physics, 2004, 114, 1453-1480.	1.2	40
48	Lagrangian Numerical Approximations to Oneâ€Dimensional Convolutionâ€Diffusion Equations. SIAM Journal of Scientific Computing, 2006, 28, 1203-1227.	2.8	40
49	Contractive Metrics for a Boltzmann Equation for Granular Gases: Diffusive Equilibria. Journal of Statistical Physics, 2005, 118, 301-331.	1.2	38
50	Kinetic models of conservative economies with wealth redistribution. Communications in Mathematical Sciences, 2009, 7, 901-916.	1.0	37
51	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
52	Asymptotic-preserving & well-balanced schemes for radiative transfer and the Rosseland approximation. Numerische Mathematik, 2004, 98, 223-250.	1.9	35
53	A Boltzmann-like equation for choice formation. Kinetic and Related Models, 2009, 2, 135-149.	0.9	35
54	H-theorem and asymptotic trend of the solution for a rarefied gas in the vacuum. Archive for Rational Mechanics and Analysis, 1987, 100, 1-12.	2.4	34

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55	Global solution of the initial value problem for the Boltzmann equation near a local Maxwellian. Archive for Rational Mechanics and Analysis, 1988, 102, 231-241.	2.4	34
56	Long-time behavior for a nonlinear fourth-order parabolic equation. Transactions of the American Mathematical Society, 2004, 357, 1161-1175.	0.9	34
57	Explicit equilibria in a kinetic model of gambling. Physical Review E, 2010, 81, 066115.	2.1	33
58	Kinetic and Hydrodynamic Models of Nearly Elastic Granular Flows. Monatshefte Fur Mathematik, 2004, 142, 179-192.	0.9	32
59	Call center service times are lognormal: A Fokkerâ€"Planck description. Mathematical Models and Methods in Applied Sciences, 2018, 28, 1513-1527.	3.3	32
60	Finite speed of propagation in porous media by mass transportation methods. Comptes Rendus Mathematique, 2004, 338, 815-818.	0.3	31
61	Decay Rates in Probability Metrics Towards Homogeneous Cooling States for the Inelastic Maxwell Model. Journal of Statistical Physics, 2006, 124, 625-653.	1.2	30
62	Kinetic models for optimal control of wealth inequalities. European Physical Journal B, 2018, 91, 1.	1.5	30
63	Opinion modeling on social media and marketing aspects. Physical Review E, 2018, 98, 022315.	2.1	30
64	Spectral methods for the non cut-off Boltzmann equation and numerical grazing collision limit. Numerische Mathematik, 2003, 93, 527-548.	1.9	28
65	The Enskog-Boltzmann equation in the whole space R3: Some global existence, uniqueness and stability results. Computers and Mathematics With Applications, 1987, 13, 851-859.	2.7	27
66	A Nonlinear Fourthâ€order Parabolic Equation with Nonhomogeneous Boundary Conditions. SIAM Journal on Mathematical Analysis, 2006, 37, 1761-1779.	1.9	27
67	Exponential decay in time of solutions of the viscous quantum hydrodynamic equations. Applied Mathematics Letters, 2003, 16, 1273-1278.	2.7	26
68	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
69	Remarks on entropy and equilibrium states. Applied Mathematics Letters, 1999, 12, 19-25.	2.7	25
70	The theory of the nonlinear Boltzmann equation for Maxwell molecules in Fourier representation. Annali Di Matematica Pura Ed Applicata, 1996, 171, 181-204.	1.0	24
71	Gradâ€™s equations and hydrodynamics for weakly inelastic granular flows. Physics of Fluids, 2004, 16, 4235-4247.	4.0	24
72	Non-Maxwellian kinetic equations modeling the dynamics of wealth distribution. Mathematical Models and Methods in Applied Sciences, 2020, 30, 685-725.	3.3	24

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73	A Strengthened Central Limit Theorem for Smooth Densities. Journal of Functional Analysis, 1995, 129, 148-167.	1.4	23
74	Poincaré inequalities for linearizations of very fast diffusion equations. Nonlinearity, 2002, 15, 565-580.	1.4	23
75	On the generalization of the Boltzmann H–theorem for a spatially homogeneous Maxwell gas. Journal of Mathematical Physics, 1992, 33, 2578-2586.	1.1	21
76	Recent Advances in Opinion Modeling: Control and Social Influence. Modeling and Simulation in Science, Engineering and Technology, 2017, , 49-98.	0.6	21
77	Kinetic Modeling of Alcohol Consumption. Journal of Statistical Physics, 2019, 177, 1022-1042.	1.2	21
78	New a priori estimates for the spatially homogeneous Boltzmann equation. Continuum Mechanics and Thermodynamics, 1992, 4, 81-93.	2.2	20
79	Fast diffusion equations: Matching large time asymptotics by relative entropy methods. Kinetic and Related Models, 2011, 4, 701-716.	0.9	20
80	Strict contractivity of the 2-Wasserstein distance for the porous medium equation by mass-centering. Proceedings of the American Mathematical Society, 2006, 135, 353-363.	0.8	19
81	Finite Time Blow Up in Kaniadakis–Quarati Model of Bose–Einstein Particles. Communications in Partial Differential Equations, 2012, 37, 77-87.	2.2	19
82	On the initial value problem for the Boltzmann equation with a force term. Transport Theory and Statistical Physics, 1989, 18, 87-102.	0.4	18
83	Fourier-Based Distances and Berry-Esseen Like Inequalities for Smooth Densities. Monatshefte Fur Mathematik, 2002, 135, 115-136.	0.9	18
84	Time rescaling and asymptotic behavior of some fourth-order degenerate diffusion equations. Computers and Mathematics With Applications, 2002, 43, 721-736.	2.7	18
85	Analysis of a model for wealth redistribution. Kinetic and Related Models, 2008, 1, 1-27.	0.9	18
86	Optimal control of epidemic spreading in the presence of social heterogeneity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210160.	3.4	18
87	Dissipative Linear Boltzmann Equation for Hard Spheres. Journal of Statistical Physics, 2004, 117, 635-664.	1.2	17
88	A Strengthened Entropy Power Inequality for Log-Concave Densities. IEEE Transactions on Information Theory, 2015, 61, 6550-6559.	2.4	17
89	Global solution of the Boltzmann equation for rigid spheres and initial data close to a local Maxwellian. Journal of Mathematical Physics, 1989, 30, 2445-2450.	1.1	16
90	Accurate numerical methods for the collisional motion of (heated) granular flows. Journal of Computational Physics, 2005, 202, 216-235.	3.8	16

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91	Kinetic Approach to Long time Behavior of Linearized Fast Diffusion Equations. Journal of Statistical Physics, 2007, 128, 883-925.	1.2	16
92	Convex Sobolev Inequalities Derived from Entropy Dissipation. Archive for Rational Mechanics and Analysis, 2011, 199, 563-596.	2.4	16
93	Pareto tails in socio-economic phenomena: a kinetic description. Economics, 2018, 12, .	0.6	16
94	Hydrodynamic Models of Preference Formation in Multi-agent Societies. Journal of Nonlinear Science, 2019, 29, 2761-2796.	2.1	16
95	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
96	Control of tumor growth distributions through kinetic methods. Journal of Theoretical Biology, 2021, 514, 110579.	1.7	15
97	A data-driven epidemic model with social structure for understanding the COVID-19 infection on a heavily affected Italian province. Mathematical Models and Methods in Applied Sciences, 2021, 31, 2533-2570.	3.3	15
98	Over-populated tails for conservative-in-the-mean inelastic Maxwell models. Discrete and Continuous Dynamical Systems, 2009, 24, 59-81.	0.9	15
99	Global existence and asymptotic behavior for the discrete velocity models of the Boltzmann equation. Journal of Mathematical Physics, 1985, 26, 2918-2921.	1.1	14
100	The Grazing Collision Limit of the Inelastic Kac Model around a Lévy-type Equilibrium. SIAM Journal on Mathematical Analysis, 2012, 44, 827-850.	1.9	14
101	Wealth distribution in presence of debts: A Fokker–Planck description. Communications in Mathematical Sciences, 2018, 16, 537-560.	1.0	14
102	On the cauchy problem for the discrete Boltzmann equation with initial values inL 1 + (?). Communications in Mathematical Physics, 1989, 121, 121-142.	2.2	13
103	The dissipative linear boltzmann equation. Applied Mathematics Letters, 2004, 17, 295-301.	2.7	13
104	Size distribution of cities: A kinetic explanation. Physica A: Statistical Mechanics and Its Applications, 2019, 524, 221-234.	2.6	13
105	Wealth redistribution in conservative linear kinetic models. Europhysics Letters, 2009, 88, 10007.	2.0	12
106	Kinetic Models with Randomly Perturbed Binary Collisions. Journal of Statistical Physics, 2011, 142, 686-709.	1.2	12
107	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
108	Nonlinear diffusions: Extremal properties of Barenblatt profiles, best matching and delays. Nonlinear Analysis: Theory, Methods & Applications, 2016, 138, 31-43.	1.1	12

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109	Rényi entropy and improved equilibration rates to self-similarity for nonlinear diffusion equations. Nonlinearity, 2014, 27, 3159-3177.	1.4	11
110	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
111	Kinetic models for goods exchange in a multi-agent market. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 362-375.	2.6	11
112	Social climbing and Amoroso distribution. Mathematical Models and Methods in Applied Sciences, 2020, 30, 2229-2262.	3.3	11
113	Kinetic modelling of multiple interactions in socio-economic systems. Networks and Heterogeneous Media, 2020, 15, 519-542.	1.1	11
114	Two dimensional half-space problems for the Broadwell discrete velocity model. Continuum Mechanics and Thermodynamics, 1996, 8, 257-274.	2.2	10
115	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
116	Rényi Entropies and Nonlinear Diffusion Equations. Acta Applicandae Mathematicae, 2014, 132, 595-604.	1.0	10
117	Stability Results for Logarithmic Sobolev and Gagliardo–Nirenberg Inequalities. International Mathematics Research Notices, 0, , rnv131.	1.0	10
118	The fractional Fisher information and the central limit theorem for stable laws. Ricerche Di Matematica, 2016, 65, 71-91.	1.0	10
119	Wright–Fisher–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
120	Social contacts, epidemic spreading and health system. Mathematical modeling and applications to COVID-19 infection. Mathematical Biosciences and Engineering, 2021, 18, 3384-3403.	1.9	10
121	On the minimization problem of sub-linear convex functionals. Kinetic and Related Models, 2011, 4, 857-871.	0.9	10
122	A kinetic description of mutation processes in bacteria. Kinetic and Related Models, 2013, 6, 1043-1055.	0.9	10
123	On the discrete velocity models of the Boltzmann equation in several dimensions. Annali Di Matematica Pura Ed Applicata, 1984, 138, 297-308.	1.0	9
124	Explicit equilibria in bilinear kinetic models for socio-economic interactions. ESAIM Proceedings and Surveys, 2014, 47, 1-16.	0.4	9
125	Multiple-interaction kinetic modeling of a virtual-item gambling economy. Physical Review E, 2019, 100, 012308.	2.1	9
126	Entropy-type inequalities for generalized Gamma densities. Ricerche Di Matematica, 2021, 70, 35-50.	1.0	9

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127	On a Fokker-Planck equation for wealth distribution. Kinetic and Related Models, 2018, 11, 337-355.	0.9	9
128	Best matching Barenblatt profiles are delayed. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 065206.	2.1	8
129	Relaxation rate, diffusion approximation and Fick's law for inelastic scattering Boltzmann models. Kinetic and Related Models, 2008, 1, 223-248.	0.9	8
130	Lyapunov functionals for a Maxwell gas. Archive for Rational Mechanics and Analysis, 1992, 119, 301-307.	2.4	7
131	On convergence to equilibrium for Kac's caricature of a Maxwell gas. Journal of Mathematical Physics, 1994, 35, 190-208.	1.1	7
132	Heat Equation and Convolution Inequalities. Milan Journal of Mathematics, 2014, 82, 183-212.	1.1	7
133	Hydrodynamics from the Dissipative Boltzmann Equation. Lecture Notes in Mathematics, 2008, , 59-75.	0.2	7
134	The diffusive limit of Carleman-type models in the range of very fast diffusion equations. Journal of Evolution Equations, 2009, 9, 67-80.	1.1	6
135	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
136	Propagation of Sobolev regularity for a class of random kinetic models on the real line. Nonlinearity, 2010, 23, 2081-2100.	1.4	6
137	Score functions, generalized relative Fisher information and applications. Ricerche Di Matematica, 2017, 66, 15-26.	1.0	6
138	Statistical Description of Human Addiction Phenomena. SEMA SIMAI Springer Series, 2021, , 209-226.	0.7	6
139	Boltzmann-type models for price formation in the presence of behavioral aspects. Networks and Heterogeneous Media, 2015, 10, 543-557.	1.1	6
140	Effects of Vaccination Efficacy on Wealth Distribution in Kinetic Epidemic Models. Entropy, 2022, 24, 216.	2.2	6
141	The semidiscrete Boltzmann equation for hard-spheres. Meccanica, 1985, 20, 249-252.	2.0	5
142	Convergence towards equilibrium for a gas of Maxwellian Pseudomolecules. Continuum Mechanics and Thermodynamics, 1992, 4, 95-107.	2.2	5
143	Wealth Redistribution in Boltzmann-like Models of Conservative Economies. New Economic Windows, 2010, , 71-82.	1.0	5
144	Statistical equilibrium of a classical, randomly driven radiating system. Lettere Al Nuovo Cimento Rivista Internazionale Della Società Italiana Di Fisica, 1975, 14, 101-107.	0.4	4

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145	Entropy Inequalities for Stable Densities and Strengthened Central Limit Theorems. Journal of Statistical Physics, 2016, 165, 371-389.	1.2	4
146	On the asymptotic behaviour and stability of the solution for the Broadwell model of the Boltzmann equation in three dimensions. Mathematical Methods in the Applied Sciences, 1985, 7, 340-345.	2.3	3
147	The nonlinear Boltzmann equation with partially absorbing boundary conditions. Global existence and uniqueness results. Journal of Mathematical Physics, 1987, 28, 1140-1145.	1.1	3
148	New results on the semidiscrete Boltzmann equation for a binary gas mixture. Meccanica, 1987, 22, 179-184.	2.0	3
149	A kinetic approximation of Hele–Shaw flow. Comptes Rendus Mathematique, 2004, 338, 177-182.	0.3	3
150	Large-time asymptotics for nonlinear diffusions: the initial-boundary value problem. Journal of Mathematical Physics, 2005, 46, 023502.	1.1	3
151	Kinetic and mean field description of Gibrat's law. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 802-811.	2.6	3
152	Economic Segregation Under the Action of Trading Uncertainties. Symmetry, 2020, 12, 1390.	2.2	3
153	Modelling and numerical methods for granular gases. Modeling and Simulation in Science, Engineering and Technology, 2004, , 259-285.	0.6	3
154	Measure valued solutions of sub-linear diffusion equations with a drift term. Discrete and Continuous Dynamical Systems, 2012, 32, 1675-1707.	0.9	3
155	Hyperbolic Relaxation Approximation to Nonlinear Parabolic Problems. , 1999, , 747-756.		3
156	Strong convergence towards self-similarity for one-dimensional dissipative Maxwell models. Journal of Functional Analysis, 2009, 257, 2291-2324.	1.4	2
157	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
158	The information-theoretic meaning of Gagliardo–Nirenberg type inequalities. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2019, 30, 237-253.	0.6	2
159	A Boltzmann-Type Approach to the Formation of Wealth Distribution Curves. SSRN Electronic Journal, 0, , .	0.4	2
160	On Rosenau-type approximations to fractional diffusion equations. Communications in Mathematical Sciences, 2015, 13, 1163-1191.	1.0	2
161	Kinetic Equations Modelling Wealth Redistribution: A Comparison of Approaches. SSRN Electronic Journal, 0, , .	0.4	2
162	A multi-agent description of the influence of higher education on social stratification. Journal of Economic Interaction and Coordination, 0, , .	0.7	2

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163	New results on the Boltzmann equation in unbounded domains. Transport Theory and Statistical Physics, 1987, 16, 223-230.	0.4	1
164	Strong convergence in L^p for a spatially homogeneous Maxwell gas with cut-off. Transport Theory and Statistical Physics, 1995, 24, 319-328.	0.4	1
165	The grazing collision limit of Kac caricature of Bose–Einstein particles. Asymptotic Analysis, 2011, 72, 201-229.	0.5	1
166	Variation on a theme by Bobylëv and Villani. Comptes Rendus Mathematique, 2012, 350, 107-110.	0.3	1
167	Poincaré-type inequalities for stable densities. Ricerche Di Matematica, 2019, 68, 225-236.	1.0	1
168	A Rosenau-type approach to the approximation of the linear Fokker-Planck equation. Kinetic and Related Models, 2018, 11, 697-714.	0.9	1
169	International and Domestic Trading and Wealth Distribution. SSRN Electronic Journal, 0, , .	0.4	1
170	Self-similar solutions of a nonlinear friction equation in higher dimensions. Annali Dell'Universita Di Ferrara, 2004, 50, 91-110.	1.3	1
171	One-Dimensional Fokker–Planck Equations and Functional Inequalities for Heavy Tailed Densities. Milan Journal of Mathematics, 2022, 90, 177-208.	1.1	1
172	Kinetic exchange models of societies and economies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210170.	3.4	1
173	Long-Time Behavior of Nonautonomous Fokker-Planck Equations and Cooling of Granular Gases. Ukrainian Mathematical Journal, 2005, 57, 923-935.	0.5	0
174	On the hydrodynamic closure of a transport-diffusion equation. Europhysics Letters, 2008, 83, 40007.	2.0	0
175	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
176	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
177	Kinetic and Hydrodynamic Models of Nearly Elastic Granular Flows. , 2004, , 179-192.		0
178	Heat equation with an exponential nonlinear boundary condition in the half space. SN Partial Differential Equations and Applications, 2022, 3, 1.	0.6	0