Eduard Feireisl

List of Publications by Year
in descending order

275	6,093	81839	128225
papers	citations	39 h-index	60 g-index

292	292	292	996
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Motion of a Compressible Viscous Fluid Driven by Time Periodic Inflow/Outflow Boundary Conditions. Journal of Dynamics and Differential Equations, 2024, 36, 105-126.	1.0	0
2	Navierâ€“Stokesâ€“Fourier system with Dirichlet boundary conditions. Applicable Analysis, 2022, 101, 4076-4094.	0.6	17
3	Asymptotic stability of solutions to the Navierâ€“Stokesâ€“Fourier system driven by inhomogeneous Dirichlet boundary conditions. Communications in Partial Differential Equations, 2022, 47, 1435-1456.	1.0	2
4	Euler System with a Polytropic Equation of State as a Vanishing Viscosity Limit. Journal of Mathematical Fluid Mechanics, 2022, 24, .	0.4	1
5	On the convergence of a finite volume method for the Navierâ€“Stokesâ€“Fourier system. IMA Journal of Numerical Analysis, 2021, 41, 2388-2422.	1.5	7
6	A Diffuse Interface Model of a Two-Phase Flow with Thermal Fluctuations. Applied Mathematics and Optimization, 2021, 83, 531-563.	0.8	7
7	Stability of planar rarefaction waves under general viscosity perturbation of the isentropic Euler system. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2021, 38, 1725-1737.	0.7	4
8	(S)-convergence and approximation of oscillatory solutions in fluid dynamics. Nonlinearity, 2021, 34, 2327-2349.	0.6	2
9	On Strong Continuity of Weak Solutions to the Compressible Euler System. Journal of Nonlinear Science, 2021, 31, 1.	1.0	0
10	Computing oscillatory solutions of the Euler system via ?-convergence. Mathematical Models and Methods in Applied Sciences, 2021, 31, 537-576.	1.7	7
11	Navierâ€“Stokesâ€“Fourier System with General Boundary Conditions. Communications in Mathematical Physics, 2021, 386, 975-1010.	1.0	10
12	On the motion of rigid bodies in a perfect fluid. Nonlinear Differential Equations and Applications, 2021, 28, 1.	0.4	0
13	Some remarks on steady solutions to the Euler system in Rd. Applied Mathematics Letters, 2021, 116, 107031.	1.5	0
14	Weakâ€“strong uniqueness property for models of compressible viscous fluids near vacuum*. Nonlinearity, 2021, 34, 6627-6650.	0.6	3
15	Numerical Analysis of a Model of Two Phase Compressible Fluid Flow. Journal of Scientific Computing, 2021, 89, 1.	1.1	1
16	Ergodic theory for energetically open compressible fluid flows. Physica D: Nonlinear Phenomena, 2021, 423, 132914.	1.3	4
17	Homogenization of a non-homogeneous heat conducting fluid. Asymptotic Analysis, 2021, 125, 327-346.	0.2	0
18	On a class of generalized solutions to equations describing incompressible viscous fluids. Annali Di Matematica Pura Ed Applicata, 2020, 199, 1183-1195.	0.5	15

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19	Convergence of Finite Volume Schemes for the Euler Equations via Dissipative Measure-Valued Solutions. Foundations of Computational Mathematics, 2020, 20, 923-966.	1.5	19
20	Solution Semiflow to the Isentropic Euler System. Archive for Rational Mechanics and Analysis, 2020, 235, 167-194.	1.1	19
21	A finite volume scheme for the Euler system inspired by the two velocities approach. Numerische Mathematik, 2020, 144, 89-132.	0.9	22
22	Dissipative Solutions and Semiflow Selection for the Complete Euler System. Communications in Mathematical Physics, 2020, 376, 1471-1497.	1.0	22
23	Globally bounded trajectories for the barotropic Navierâ€“Stokes system with general boundary conditions. Communications in Partial Differential Equations, 2020, 45, 1820-1832.	1.0	5
24	On convergence of approximate solutions to the compressible Euler system. Annals of PDE, 2020, 6, 1.	0.8	8
25	On the density of â€œwildâ€•initial data for the compressible Euler system. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	4
26	Stochastic Navier-Stokes-Fourier equations. Indiana University Mathematics Journal, 2020, 69, 911-975.	0.4	3
27	On solvability and ill-posedness of the compressible Euler system subject to stochastic forces. Analysis and PDE, 2020, 13, 371-402.	0.6	19
28	On global-in-time weak solutions to the magnetohydrodynamic system of compressible inviscid fluids. Nonlinearity, 2020, 33, 139-155.	0.6	16
29	?-convergence as a new tool in numerical analysis. IMA Journal of Numerical Analysis, 2020, 40, 2227-2255.	1.5	17
30	On oscillatory solutions to the complete Euler system. Journal of Differential Equations, 2020, 269, 1521-1543.	1.1	20
31	Stability of Strong Solutions to the Navier--Stokes--Fourier System. SIAM Journal on Mathematical Analysis, 2020, 52, 1761-1785.	0.9	12
32	Markov selection for the stochastic compressible Navierâ€“Stokes system. Annals of Applied Probability, 2020, 30, .	0.6	6
33	On a singular limit for the stratified compressible Euler system. Asymptotic Analysis, 2019, 114, 59-72.	0.2	3
34	Errata corrige: â€œExistence of solutions to some models of phase changes with microscopic movementsâ€• Mathematical Methods in the Applied Sciences, 2019, 42, 7537-7538.	1.2	1
35	On uniqueness of dissipative solutions to the isentropic Euler system. Communications in Partial Differential Equations, 2019, 44, 1285-1298.	1.0	13
36	The compressible Navierâ€“Stokesâ€“Cahnâ€“Hilliard equations with dynamic boundary conditions. Mathematical Models and Methods in Applied Sciences, 2019, 29, 2557-2584.	1.7	7

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37	On the Low Mach Number Limit for the Compressible Euler System. SIAM Journal on Mathematical Analysis, 2019, 51, 1496-1513.	0.9	16
38	Stability of strong solutions for a model of incompressible twoâ€“phase flow under thermal fluctuations. Journal of Differential Equations, 2019, 267, 1836-1858.	1.1	8
39	On weakâ€“strong uniqueness for the compressible Navierâ€“Stokes system with non-monotone pressure law. Communications in Partial Differential Equations, 2019, 44, 271-278.	1.0	12
40	Relative energy approach to a diffuse interface model of a compressible twoâ€phase flow. Mathematical Methods in the Applied Sciences, 2019, 42, 1465-1479.	1.2	7
41	Convergence of a finite volume scheme for the compressible Navierâ€“Stokes system. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 1957-1979.	0.8	19
42	On a class of compressible viscoelastic rate-type fluids with stress-diffusion. Nonlinearity, 2019, 32, 4665-4681.	0.6	8
43	Stationary solutions to the compressible Navierâ€“Stokes system driven by stochastic forces. Probability Theory and Related Fields, 2019, 174, 981-1032.	0.9	11
44	B. Bibliographical remarks. , 2018, , 317-326.		0
45	Stationary solutions to the compressible Navierâ€“Stokes system with general boundary conditions. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2018, 35, 1457-1475.	0.7	14
46	Asymptotic Preserving Error Estimates for Numerical Solutions of Compressible Navier--Stokes Equations in the Low Mach Number Regime. Multiscale Modeling and Simulation, 2018, 16, 150-183.	0.6	14
47	Measure-valued solutions to the complete Euler system revisited. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	0.7	12
48	Local strong solutions to the stochastic compressible Navierâ€“Stokes system. Communications in Partial Differential Equations, 2018, 43, 313-345.	1.0	25
49	Convergence of a Mixed Finite Elementâ€“Finite Volume Scheme for the Isentropic Navierâ€“Stokes System via Dissipative Measure-Valued Solutions. Foundations of Computational Mathematics, 2018, 18, 703-730.	1.5	36
50	Analysis of the adiabatic piston problem via methods of continuum mechanics. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2018, 35, 1377-1408.	0.7	10
51	Weak-strong uniqueness for the compressible Navier-Stokes equations with a hard-sphere pressure law. Science China Mathematics, 2018, 61, 2003-2016.	0.8	15
52	Concepts of Solutions in the Thermodynamics of Compressible Fluids. , 2018, , 1353-1379.		2
53	Singular Limits for Models of Compressible, Viscous, Heat Conducting, and/or Rotating Fluids. , 2018, , 2771-2825.		1
54	On a singular limit for stratified compressible fluids. Nonlinear Analysis: Real World Applications, 2018, 44, 334-346.	0.9	5

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55	On a hyperbolic system arising in liquid crystals modeling. Journal of Hyperbolic Differential Equations, 2018, 15, 15-35.	0.3	25
56	Measure-valued solutions to the complete Euler system. Journal of the Mathematical Society of Japan, 2018, 70, .	0.3	30
57	Compressible Fluids Driven by Stochastic Forcing: The Relative Energy Inequality and Applications. Communications in Mathematical Physics, 2017, 350, 443-473.	1.0	23
58	Unconditional convergence and error estimates for bounded numerical solutions of the barotropic Navierâ€“Stokes system. Numerical Methods for Partial Differential Equations, 2017, 33, 1208-1223.	2.0	6
59	Analysis of a diffuse interface model of multispecies tumor growth. Nonlinearity, 2017, 30, 1639-1658.	0.6	52
60	Weak solutions for Euler systems with non-local interactions. Journal of the London Mathematical Society, 2017, 95, 705-724.	0.5	18
61	Regularity and Energy Conservation for the Compressible Euler Equations. Archive for Rational Mechanics and Analysis, 2017, 223, 1375-1395.	1.1	61
62	Error estimates for a numerical method for the compressible Navierâ€“Stokes system on sufficiently smooth domains. ESAIM: Mathematical Modelling and Numerical Analysis, 2017, 51, 279-319.	0.8	12
63	The inverse of the divergence operator on perforated domains with applications to homogenization problems for the compressible Navierâ€“Stokes system. ESAIM - Control, Optimisation and Calculus of Variations, 2017, 23, 851-868.	0.7	20
64	Singular Limits in Thermodynamics of Viscous Fluids. Advances in Mathematical Fluid Mechanics, 2017, , .	0.1	95
65	Mathematical Thermodynamics of Viscous Fluids. Lecture Notes in Mathematics, 2017, , 47-100.	0.1	1
66	On the Motion of Chemically Reacting Fluids Through Porous Medium. Springer Proceedings in Mathematics and Statistics, 2017, , 139-152.	0.1	0
67	An anelastic approximation arising in astrophysics. Mathematische Annalen, 2017, 369, 1573-1597.	0.7	3
68	$${mathcal {A}}$$ A -free rigidity and applications to the compressible Euler system. Annali Di Matematica Pura Ed Applicata, 2017, 196, 1557-1572.	0.5	17
69	Bibliographical Remarks. Advances in Mathematical Fluid Mechanics, 2017, , 501-505.	0.1	0
70	Problems on Large Domains. Advances in Mathematical Fluid Mechanics, 2017, , 313-367.	0.1	0
71	Vanishing Dissipation Limits. Advances in Mathematical Fluid Mechanics, 2017, , 369-408.	0.1	0
72	Stratified Fluids. Advances in Mathematical Fluid Mechanics, 2017, , 221-262.	0.1	0

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73	Interaction of Acoustic Waves with Boundary. Advances in Mathematical Fluid Mechanics, 2017, , 263-312.	0.1	0
74	Existence Theory. Advances in Mathematical Fluid Mechanics, 2017, , 49-144.	0.1	0
75	Fluid Flow Modeling. Advances in Mathematical Fluid Mechanics, 2017, , 1-19.	0.1	0
76	Singular Limits: Low Stratification. Advances in Mathematical Fluid Mechanics, 2017, , 167-219.	0.1	0
77	Acoustic Analogies. Advances in Mathematical Fluid Mechanics, 2017, , 409-428.	0.1	0
78	Weak Solutions, A Priori Estimates. Advances in Mathematical Fluid Mechanics, 2017, , 21-47.	0.1	0
79	Asymptotic Analysis: An Introduction. Advances in Mathematical Fluid Mechanics, 2017, , 145-165.	0.1	0
80	Dissipative measure-valued solutions to the compressible Navierâ€“Stokes system. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	0.9	59
81	A Rigorous Justification of the Euler and Navier--Stokes Equations with Geometric Effects. SIAM Journal on Mathematical Analysis, 2016, 48, 3907-3930.	0.9	17
82	Mathematical Model. Advances in Mathematical Fluid Mechanics, 2016, , 25-30.	0.1	0
83	Convergence of a numerical method for the compressible Navierâ€“Stokes system on general domains. Numerische Mathematik, 2016, 134, 667-704.	0.9	13
84	On Global Well/Ill-Posedness of the Euler-Poisson System. Advances in Mathematical Fluid Mechanics, 2016, , 215-231.	0.1	0
85	On the low Mach number limit of compressible flows in exterior moving domains. Journal of Evolution Equations, 2016, 16, 705-722.	0.6	2
86	A Convergent Numerical Method for the Full Navier--Stokes--Fourier System in Smooth Physical Domains. SIAM Journal on Numerical Analysis, 2016, 54, 3062-3082.	1.1	7
87	Incompressible Limit for Compressible Fluids with Stochastic Forcing. Archive for Rational Mechanics and Analysis, 2016, 222, 895-926.	1.1	20
88	On asymptotic isotropy for a hydrodynamic model of liquid crystals. Asymptotic Analysis, 2016, 97, 189-210.	0.2	16
89	On the motion of viscous, compressible, and heat-conducting liquids. Journal of Mathematical Physics, 2016, 57, 083101.	0.5	16
90	A convergent numerical method for the Navierâ€“Stokesâ€“Fourier system. IMA Journal of Numerical Analysis, 2016, 36, 1477-1535.	1.5	35

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91	Dissipative weak solutions to compressible Navierâ€“Stokesâ€“Fokkerâ€“Planck systems with variable viscosity coefficients. Journal of Mathematical Analysis and Applications, 2016, 443, 322-351.	0.5	8
92	On PDE analysis of flows of quasi-incompressible fluids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2016, 96, 491-508.	0.9	18
93	On singular limits arising in the scale analysis of stratified fluid flows. Mathematical Models and Methods in Applied Sciences, 2016, 26, 419-443.	1.7	22
94	On weak solutions to the 2D Savageâ€“Hutter model of the motion of a gravity-driven avalanche flow. Communications in Partial Differential Equations, 2016, 41, 759-773.	1.0	6
95	Mathematical analysis of variable density flows in porous media. Journal of Evolution Equations, 2016, 16, 1-19.	0.6	5
96	Homogenization of the evolutionary Navierâ€“Stokes system. Manuscripta Mathematica, 2016, 149, 251-274.	0.3	22
97	On weak solutions to a diffuse interface model of a binary mixture of compressible fluids. Discrete and Continuous Dynamical Systems - Series S, 2016, 9, 173-183.	0.6	7
98	Vanishing dissipation limit for the Navierâ€“Stokesâ€“Fourier system. Communications in Mathematical Sciences, 2016, 14, 1535-1551.	0.5	10
99	Weak Sequential Stability. Advances in Mathematical Fluid Mechanics, 2016, , 55-77.	0.1	0
100	Consistency. Advances in Mathematical Fluid Mechanics, 2016, , 111-133.	0.1	0
101	A Priori Bounds. Advances in Mathematical Fluid Mechanics, 2016, , 39-47.	0.1	0
102	Weak Solutions. Advances in Mathematical Fluid Mechanics, 2016, , 31-38.	0.1	0
103	Concepts of Solutions in the Thermodynamics of Compressible Fluids. , 2016, , 1-27.		0
104	Weak Formulation Revisited. Advances in Mathematical Fluid Mechanics, 2016, , 49-53.	0.1	0
105	Strong Convergence of the Approximate Densities. Advances in Mathematical Fluid Mechanics, 2016, , 165-176.	0.1	0
106	Weak Solutions with Artificial Pressure. Advances in Mathematical Fluid Mechanics, 2016, , 157-164.	0.1	0
107	Numerical Method. Advances in Mathematical Fluid Mechanics, 2016, , 81-102.	0.1	0
108	Stability of the Numerical Method. Advances in Mathematical Fluid Mechanics, 2016, , 103-109.	0.1	0

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109	Concluding Remarks and Suggestions forÂFurther Reading. Advances in Mathematical Fluid Mechanics, 2016, , 177-178.	0.1	0
110	Preliminaries, Notation, and Spaces of Functions. Advances in Mathematical Fluid Mechanics, 2016, , 1-22.	0.1	0
111	Singular Limits for Models of Compressible, Viscous, Heat Conducting, and/or Rotating Fluids. , 2016, , 1-55.		0
112	Uniqueness of rarefaction waves in multidimensional compressible Euler system. Journal of Hyperbolic Differential Equations, 2015, 12, 489-499.	0.3	27
113	Scale analysis of a hydrodynamic model of plasma. Mathematical Models and Methods in Applied Sciences, 2015, 25, 371-394.	1.7	18
114	Robustness of strong solutions to the compressible Navier-Stokes system. Mathematische Annalen, 2015, 362, 281-303.	0.7	7
115	Homogenization of Stationary Navierâ€“Stokes Equations in Domains with Tiny Holes. Journal of Mathematical Fluid Mechanics, 2015, 17, 381-392.	0.4	23
116	The Navierâ€“Stokesâ€“Fourier system: From weak solutions to numerical analysis. Analysis (Germany), 2015, 35, .	0.2	2
117	On the energy inequality for weak solutions to the Navierâ€“Stokes equations of compressible fluids on unbounded domains. Nonlinear Analysis: Theory, Methods & Applications, 2015, 128, 136-148.	0.6	2
118	Robustness of one-dimensional viscous fluid motion under multidimensional perturbations. Journal of Differential Equations, 2015, 259, 7529-7539.	1.1	3
119	Well/Ill Posedness for the Euler-Korteweg-Poisson System and Related Problems. Communications in Partial Differential Equations, 2015, 40, 1314-1335.	1.0	45
120	On the weak solutions to the equations of a compressible heat conducting gas. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2015, 32, 225-243.	0.7	35
121	Nonisothermal nematic liquid crystal flows with the Ballâ€“Majumdar free energy. Annali Di Matematica Pura Ed Applicata, 2015, 194, 1269-1299.	0.5	23
122	Multiple Scales and Singular Limits for Compressible Rotating Fluids with General Initial Data. Communications in Partial Differential Equations, 2014, 39, 1104-1127.	1.0	31
123	Inviscid incompressible limits on expanding domains. Nonlinearity, 2014, 27, 2465-2477.	0.6	12
124	Incompressible Limits of Fluids Excited by Moving Boundaries. SIAM Journal on Mathematical Analysis, 2014, 46, 1456-1471.	0.9	8
125	Inviscid incompressible limits of strongly stratified fluids. Asymptotic Analysis, 2014, 89, 307-329.	0.2	11
126	Dimension Reduction for Compressible Viscous Fluids. Acta Applicandae Mathematicae, 2014, 134, 111-121.	0.5	40

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127	Maximal Dissipation and Well-posedness for the Compressible Euler System. Journal of Mathematical Fluid Mechanics, 2014, 16, 447-461.	0.4	28
128	Scale interactions in compressible rotating fluids. Annali Di Matematica Pura Ed Applicata, 2014, 193, 1703-1725.	0.5	26
129	Polynomial stabilization of some dissipative hyperbolic systems. Discrete and Continuous Dynamical Systems, 2014, 34, 4371-4388.	0.5	6
130	A Regularity Criterion for the Weak Solutions to the Navierâ€“Stokesâ€“Fourier System. Archive for Rational Mechanics and Analysis, 2014, 212, 219-239.	1.1	23
131	Inviscid Incompressible Limits Under Mild Stratification: A Rigorous Derivation of the Eulerâ€“Boussinesq System. Applied Mathematics and Optimization, 2014, 70, 279-307.	0.8	20
132	Front propagation in nonlinear parabolic equations. Journal of the London Mathematical Society, 2014, 90, 551-572.	0.5	0
133	Rotating compressible fluids under strong stratification. Nonlinear Analysis: Real World Applications, 2014, 19, 11-18.	0.9	11
134	Dissipative solutions and the incompressible inviscid limits of the compressible magnetohydrodynamic system in unbounded domains. Discrete and Continuous Dynamical Systems, 2014, 34, 121-143.	0.5	30
135	Evolution of non-isothermal Landauâ€“de Gennes nematic liquid crystals flows with singular potential. Communications in Mathematical Sciences, 2014, 12, 317-343.	0.5	27
136	New developments in mathematical theory of fluid mechanics. Discrete and Continuous Dynamical Systems - Series S, 2014, 7, .	0.6	0
137	Mathematical analysis of fluids in motion: from well-posedness to model reduction. Revista Matematica Complutense, 2013, 26, 299-340.	0.7	5
138	Inviscid Incompressible Limits of the Full Navier-Stokes-Fourier System. Communications in Mathematical Physics, 2013, 321, 605-628.	1.0	52
139	Sensitivity analysis of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>d</mml:mi></mml:math>steady forced scalar conservation laws. Journal of Differential Equations, 2013, 254, 3817-3834.	1.1	5
140	STABILITY WITH RESPECT TO DOMAIN OF THE LOW MACH NUMBER LIMIT OF COMPRESSIBLE VISCOUS FLUIDS. Mathematical Models and Methods in Applied Sciences, 2013, 23, 2465-2493.	1.7	17
141	Suitable weak solutions: from compressible viscous to incompressible inviscid fluid flows. Mathematische Annalen, 2013, 356, 683-702.	0.7	2
142	Long Time Behavior and Stabilization to Equilibria of Solutions to the Navierâ€“Stokesâ€“Fourier System Driven by Highly Oscillating Unbounded External Forces. Journal of Dynamics and Differential Equations, 2013, 25, 257-268.	1.0	4
143	Weak solutions to the barotropic Navierâ€“Stokes system with slip boundary conditions in time dependent domains. Journal of Differential Equations, 2013, 254, 125-140.	1.1	27
144	Compressible fluid flows driven by stochastic forcing. Journal of Differential Equations, 2013, 254, 1342-1358.	1.1	20

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145	Scaling and singular limits in the equations of continuum fluid mechanics. Methods and Applications of Analysis, 2013, 20, 115-140.	0.1	0
146	A Singular Limit for Compressible Rotating Fluids. SIAM Journal on Mathematical Analysis, 2012, 44, 192-205.	0.9	32
147	Relative Entropies, Suitable Weak Solutions, and Weak-Strong Uniqueness for the Compressible Navierâ€“Stokes System. Journal of Mathematical Fluid Mechanics, 2012, 14, 717-730.	0.4	168
148	Continuity of Drag and Domain Stability in the Low Mach Number Limits. Journal of Mathematical Fluid Mechanics, 2012, 14, 731-750.	0.4	1
149	Multi-scale Analysis of Compressible Viscous and Rotating Fluids. Communications in Mathematical Physics, 2012, 314, 641-670.	1.0	32
150	On the Vanishing Electron-Mass Limit in Plasma Hydrodynamics in Unbounded Media. Journal of Nonlinear Science, 2012, 22, 985-1012.	1.0	13
151	Weakâ€“Strong Uniqueness Property for the Full Navierâ€“Stokesâ€“Fourier System. Archive for Rational Mechanics and Analysis, 2012, 204, 683-706.	1.1	140
152	Time-Periodic Solutions to the Full Navierâ€“Stokesâ€“Fourier System. Archive for Rational Mechanics and Analysis, 2012, 204, 745-786.	1.1	66
153	A New Approach to Non-Isothermal Models for Nematic Liquid Crystals. Archive for Rational Mechanics and Analysis, 2012, 205, 651-672.	1.1	56
154	Travelling waves in a convectionâ€“diffusion equation. Journal of Differential Equations, 2012, 252, 2296-2310.	1.1	3
155	Low Mach Number Limits of Compressible Rotating Fluids. Journal of Mathematical Fluid Mechanics, 2012, 14, 61-78.	0.4	11
156	On the Oberbeckâ€“Boussinesq Approximation on Unbounded Domains. Abel Symposia, 2012, , 131-168.	0.3	8
157	Relative entropies in thermodynamics of complete fluid systems. Discrete and Continuous Dynamical Systems, 2012, 32, 3059-3080.	0.5	39
158	Local Decay of Acoustic Waves in the Low Mach Number Limits on General Unbounded Domains Under Slip Boundary Conditions. Communications in Partial Differential Equations, 2011, 36, 1778-1796.	1.0	11
159	Suitable weak solutions to the Navier-Stokes equations of compressible viscous fluids. Indiana University Mathematics Journal, 2011, 60, 611-632.	0.4	109
160	On a model in radiation hydrodynamics. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2011, 28, 797-812.	0.7	40
161	The effective boundary conditions for vector fields on domains with rough boundaries: Applications to fluid mechanics. Applications of Mathematics, 2011, 56, 39-49.	0.9	3
162	Convergence of a Brinkman-type penalization for compressible fluid flows. Journal of Differential Equations, 2011, 250, 596-606.	1.1	37

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163	On the long-time behaviour of a rigid body immersed in a viscous fluid. Applicable Analysis, 2011, 90, 59-66.	0.6	5
164	On a non-isothermal model for nematic liquid crystals. Nonlinearity, 2011, 24, 243-257.	0.6	45
165	Global-in-time solutions for the isothermal Matovichâ€“Pearson equations. Nonlinearity, 2011, 24, 277-292.	0.6	1
166	FLOWS OF VISCOUS COMPRESSIBLE FLUIDS UNDER STRONG STRATIFICATION: INCOMPRESSIBLE LIMITS FOR LONG-RANGE POTENTIAL FORCES. Mathematical Models and Methods in Applied Sciences, 2011, 21, 7-27.	1.7	8
167	Mathematical Models of Incompressible Fluids as Singular Limits of Complete Fluid Systems. Milan Journal of Mathematics, 2010, 78, 523-560.	0.7	5
168	Boundary Behavior of Viscous Fluids: Influence of Wall Roughness and Friction-driven Boundary Conditions. Archive for Rational Mechanics and Analysis, 2010, 197, 117-138.	1.1	39
169	Quasi-Neutral Limit for a Model of Viscous Plasma. Archive for Rational Mechanics and Analysis, 2010, 197, 271-295.	1.1	17
170	Incompressible Limits and Propagation of Acoustic Waves in Large Domains with Boundaries. Communications in Mathematical Physics, 2010, 294, 73-95.	1.0	20
171	Homogenization and singular limits for the complete Navierâ€“Stokesâ€“Fourier system. Journal Des Mathematiques Pures Et Appliquees, 2010, 94, 33-57.	0.8	22
172	ANALYSIS OF A PHASE-FIELD MODEL FOR TWO-PHASE COMPRESSIBLE FLUIDS. Mathematical Models and Methods in Applied Sciences, 2010, 20, 1129-1160.	1.7	87
173	Long time behavior and attractors for energetically insulated fluid systems. Discrete and Continuous Dynamical Systems, 2010, 27, 1587-1609.	0.5	0
174	Low Mach number asymptotics for reacting compressible fluid flows. Discrete and Continuous Dynamical Systems, 2010, 26, 455-480.	0.5	4
175	Mathematical theory of viscous fluids: Retrospective and future perspectives. Discrete and Continuous Dynamical Systems, 2010, 27, 533-555.	0.5	2
176	On incompressible limits for the Navier-Stokes system on unbounded domains under slip boundary conditions. Discrete and Continuous Dynamical Systems - Series B, 2010, 13, 783-798.	0.5	15
177	On the motion of incompressible inhomogeneous Euler-Korteweg fluids. Discrete and Continuous Dynamical Systems - Series S, 2010, 3, 497-515.	0.6	8
178	On compactness of the velocity field in the incompressible limit of the full Navierâ€“Stokesâ€“Fourier system on large domains. Mathematical Methods in the Applied Sciences, 2009, 32, 1269-1286.	1.2	2
179	Existence of solutions to a phase transition model with microscopic movements. Mathematical Methods in the Applied Sciences, 2009, 32, 1345-1369.	1.2	31
180	The Oberbeckâ€“Boussinesq Approximation as a Singular Limit of the Full Navierâ€“Stokesâ€“Fourier System. Journal of Mathematical Fluid Mechanics, 2009, 11, 274-302.	0.4	45

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181	A Navierâ€“Stokesâ€“Fourier system for incompressible fluids with temperature dependent material coefficients. Nonlinear Analysis: Real World Applications, 2009, 10, 992-1015.	0.9	74
182	The incompressible limit of the full Navierâ€“Stokesâ€“Fourier system on domains with rough boundaries. Nonlinear Analysis: Real World Applications, 2009, 10, 3203-3229.	0.9	26
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