Michael Renardy

List of Publications by Year
in descending order

169	4,603	109137	118652
papers	citations	35 h-index	62 g-index

171	171	171	2493
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A mathematicianâ€™s perspective on the Oldroyd B model: Progress and future challenges. Journal of Non-Newtonian Fluid Mechanics, 2021, 293, 104573.	1.0	18
2	Lack of null controllability of viscoelastic flows. ESAIM - Control, Optimisation and Calculus of Variations, 2019, 25, 60.	0.7	5
3	Pure stress modes for linear viscoelastic flows with variable coefficients. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	0.7	0
4	A singular perturbation study of the Rolie-Poly model. Journal of Non-Newtonian Fluid Mechanics, 2018, 262, 52-67.	1.0	2
5	Approximate controllability results for viscoelastic flows with infinitely many relaxation modes. Journal of Differential Equations, 2018, 264, 575-603.	1.1	2
6	Stability of shear banded flow for a viscoelastic constitutive model with thixotropic yield stress behavior. Journal of Non-Newtonian Fluid Mechanics, 2017, 244, 57-74.	1.0	3
7	Interior local null controllability of oneâ€dimensional compressible flow near a constant steady state. Mathematical Methods in the Applied Sciences, 2017, 40, 3445-3478.	1.2	5
8	Development of congestion in compressible flow with singular pressure. Asymptotic Analysis, 2017, 103, 95-101.	0.2	6
9	The Rayleigh problem for a yield stress fluid with spurt. Journal of Non-Newtonian Fluid Mechanics, 2017, 248, 23-26.	1.0	0
10	Global Existence Result for the Generalized Peterlin Viscoelastic Model. SIAM Journal on Mathematical Analysis, 2017, 49, 2950-2964.	0.9	24
11	Approximate Controllability Results for Linear Viscoelastic Flows. Journal of Mathematical Fluid Mechanics, 2017, 19, 529-549.	0.4	7
12	Thixotropy in yield stress fluids as a limit of viscoelasticity. IMA Journal of Applied Mathematics, 2016, 81, 522-537.	0.8	8
13	Development of shear bands for a model of a thixotropic yield stress fluid. Journal of Non-Newtonian Fluid Mechanics, 2016, 233, 5-12.	1.0	2
14	Large amplitude oscillatory shear flows for a model of a thixotropic yield stress fluid. Journal of Non-Newtonian Fluid Mechanics, 2015, 222, 1-17.	1.0	5
15	The initial value problem for creeping flow of the upper convected Maxwell fluid at high Weissenberg number. Mathematical Methods in the Applied Sciences, 2015, 38, 959-965.	1.2	3
16	Well-Posedness of the Prandtl Boundary Layer Equations for the Upper Convected Maxwell Fluid. Journal of Dynamics and Differential Equations, 2015, 27, 981-988.	1.0	2
17	Prandtl boundary layers for the Phan-Thien Tanner and Giesekus fluid. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1061-1070.	0.7	3
18	Well-Posedness of Boundary Layer Equations for Time-Dependent Flow of Non-Newtonian Fluids. Journal of Mathematical Fluid Mechanics, 2014, 16, 179-191.	0.4	6

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19	Korteweg stresses and admissibility criteria for shear banded flows. Journal of Non-Newtonian Fluid Mechanics, 2014, 213, 68-72.	1.0	4
20	Null controllability of the linearized compressible Navier Stokes system in one dimension. Journal of Differential Equations, 2014, 257, 3813-3849.	1.1	23
21	On the Generalization of the HÃ©braudâ€“Lequeux Model to Multidimensional Flows. Archive for Rational Mechanics and Analysis, 2013, 208, 569-601.	1.1	4
22	Kelvinâ€“Helmholtz instability with a free surface. Zeitschrift Fur Angewandte Mathematik Und Physik, 2013, 64, 905-915.	0.7	5
23	On non-existence of steady periodic solutions of the Prandtl equations. Journal of Fluid Mechanics, 2013, 717, .	1.4	1
24	Linear Stability of Steady Flows of Jeffreys Type Fluids. Springer Proceedings in Mathematics and Statistics, 2013, , 609-616.	0.1	0
25	Boundary layers for the upper convected Maxwell fluid. Journal of Non-Newtonian Fluid Mechanics, 2012, 189-190, 14-18.	1.0	23
26	Well-Posedness of the Hydrostatic MHD Equations. Journal of Mathematical Fluid Mechanics, 2012, 14, 355-361.	0.4	6
27	Wolfgang von Ohnesorge. Physics of Fluids, 2011, 23, .	1.6	163
28	Glass Transition Seen through Asymptotic Expansions. SIAM Journal on Applied Mathematics, 2011, 71, 1144-1167.	0.8	13
29	On Hydrostatic Free Surface Problems. Journal of Mathematical Fluid Mechanics, 2011, 13, 89-93.	0.4	5
30	Stability of steady flows for multi-mode Maxwell fluids. Journal of Evolution Equations, 2011, 11, 847-860.	0.6	2
31	Initial value problems for creeping flow of Maxwell fluids. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3614-3632.	0.6	4
32	Well-posedness of the upper convected Maxwell fluid in the limit of infinite Weissenberg number. Mathematical Methods in the Applied Sciences, 2011, 34, 125-139.	1.2	4
33	Symmetric factorization of the conformation tensor in viscoelastic fluid models. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 546-553.	1.0	78
34	Well-posedness of two-layer shallow-water flow between two horizontal rigid plates. Nonlinearity, 2011, 24, 1081-1088.	0.6	15
35	Non-failure of filaments and global existence for the equations of fiber spinning. IMA Journal of Applied Mathematics, 2011, 76, 834-846.	0.8	2
36	Nonlinear stability for advective systems. Journal of Evolution Equations, 2010, 10, 955-963.	0.6	2

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37	Stability of Creeping Flows of Maxwell Fluids. Archive for Rational Mechanics and Analysis, 2010, 198, 723-733.	1.1	4
38	On the high Weissenberg number limit of the upper convected Maxwell fluid. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 70-74.	1.0	11
39	Control of homogeneous shear flow of multimode Maxwell fluids. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 136-142.	1.0	7
40	The mathematics of myth: Yield stress behavior as a limit of non-monotone constitutive theories. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 519-526.	1.0	27
41	On the stability of plane parallel viscoelastic shear flows in the limit of infinite Weissenberg and Reynolds numbers. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1670-1676.	1.0	14
42	Ill-posedness of the Hydrostatic Euler and Navierâ€“Stokes Equations. Archive for Rational Mechanics and Analysis, 2009, 194, 877-886.	1.1	43
43	Global Existence of Solutions for Shear Flow of Certain Viscoelastic Fluids. Journal of Mathematical Fluid Mechanics, 2009, 11, 91-99.	0.4	14
44	Some Global Stability Results for Shear Flows of Viscoelastic Fluids. Journal of Mathematical Fluid Mechanics, 2009, 11, 100-109.	0.4	2
45	A note on a class of observability problems for PDEs. Systems and Control Letters, 2009, 58, 183-187.	1.3	7
46	Controllability of viscoelastic stresses for nonlinear Maxwell models. Journal of Non-Newtonian Fluid Mechanics, 2009, 156, 70-74.	1.0	7
47	Stress modes in linear stability of viscoelastic flows. Journal of Non-Newtonian Fluid Mechanics, 2009, 159, 137-140.	1.0	13
48	Linear stability of homogeneous elongational flow of the upper convected Maxwell fluid. Journal of Non-Newtonian Fluid Mechanics, 2009, 160, 168-175.	1.0	6
49	On the use of Laplace transform inversion for reconstruction of relaxation spectra. Journal of Non-Newtonian Fluid Mechanics, 2008, 154, 47-51.	1.0	7
50	Stability of viscoelastic shear flows in the limit of high Weissenberg and Reynolds numbers. Journal of Non-Newtonian Fluid Mechanics, 2008, 155, 124-129.	1.0	8
51	Short Wave Stability for Inviscid Shear Flow. SIAM Journal on Applied Mathematics, 2008, 69, 763-768.	0.8	5
52	â€œFinite time breakup of viscous filaments,â€•ZAMP 52 (2001), 881-887. Zeitschrift Fur Angewandte Mathematik Und Physik, 2007, 58, 904-905.	0.7	1
53	Draw Resonance Revisited. SIAM Journal on Applied Mathematics, 2006, 66, 1261-1269.	0.8	23
54	A comment on smoothness of viscoelastic stresses. Journal of Non-Newtonian Fluid Mechanics, 2006, 138, 204-205.	1.0	39

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55	Viscoelastic stagnation point flow in a wake. Journal of Non-Newtonian Fluid Mechanics, 2006, 138, 206-208.	1.0	6
56	Post-breakup asymptotics for a Giesekus jet. Journal of Non-Newtonian Fluid Mechanics, 2005, 126, 1-5.	1.0	1
57	Shear flow of viscoelastic fluids as a control problem. Journal of Non-Newtonian Fluid Mechanics, 2005, 131, 59-63.	1.0	10
58	Are viscoelastic flows under control or out of control?. Systems and Control Letters, 2005, 54, 1183-1193.	1.3	31
59	Parallel shear flows of fluids with a temperature dependent viscosity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 681-693.	0.7	0
60	A comment on self-similar breakup for inertialess Newtonian liquid jets. IMA Journal of Applied Mathematics, 2005, 70, 353-358.	0.8	8
61	Handbook of Mathematical Fluid Dynamics, Vol. 3. By S. FRIEDLANDER & D. SERRE. North-Holland, 2004. 674 pp. ISBN 0 444 51556 9. $175. Journal of Fluid Mechanics, 2005, 527, 378-379.	1.4	0
62	Similarity solutions for breakup of jets of power law fluids. Journal of Non-Newtonian Fluid Mechanics, 2004, 122, 303-312.	1.0	32
63	Stress integration for the constitutive law of the upper convected Maxwell fluid near the corners in a driven cavity. Journal of Non-Newtonian Fluid Mechanics, 2003, 112, 77-84.	1.0	5
64	Parallel shear flows of fluids with a pressure-dependent viscosity. Journal of Non-Newtonian Fluid Mechanics, 2003, 114, 229-236.	1.0	44
65	PROST: A Parabolic Reconstruction of Surface Tension for the Volume-of-Fluid Method. Journal of Computational Physics, 2002, 183, 400-421.	1.9	446
66	Spectrally determined growth for creeping flow of the upper convected Maxwell fluid. Semigroup Forum, 2002, 66, 171-178.	0.3	6
67	Self-similar jet breakup for a generalized PTT model. Journal of Non-Newtonian Fluid Mechanics, 2002, 103, 261-269.	1.0	27
68	Similarity solutions for jet breakup for various models of viscoelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2002, 104, 65-74.	1.0	51
69	Similarity solutions for jet breakup in a Giesekus fluid with inertia. Journal of Non-Newtonian Fluid Mechanics, 2002, 106, 17-27.	1.0	14
70	Shape Control by Collinear Actuators. Archive for Rational Mechanics and Analysis, 2001, 156, 231-240.	1.1	1
71	Self-similar breakup of a Giesekus jet. Journal of Non-Newtonian Fluid Mechanics, 2001, 97, 283-293.	1.0	25
72	Numerical Simulation of Moving Contact Line Problems Using a Volume-of-Fluid Method. Journal of Computational Physics, 2001, 171, 243-263.	1.9	229

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73	Eigenvalue Asymptotics in Non-isothermal Elongational Flow. Journal of Mathematical Analysis and Applications, 2000, 252, 431-443.	0.5	17
74	Location of the continuous spectrum in complex flows of the UCM fluid. Journal of Non-Newtonian Fluid Mechanics, 2000, 94, 75-85.	1.0	20
75	Asymptotic structure of the stress field in flow past a cylinder at high Weissenberg number. Journal of Non-Newtonian Fluid Mechanics, 2000, 90, 13-23.	1.0	17
76	Current issues in non-Newtonian flows: a mathematical perspective. Journal of Non-Newtonian Fluid Mechanics, 2000, 90, 243-259.	1.0	41
77	Wall Boundary Layers for Maxwell Liquids. Archive for Rational Mechanics and Analysis, 2000, 152, 93-102.	1.1	9
78	A Boundary value problem for laplace's equation. Complex Variables and Elliptic Equations, 2000, 41, 145-150.	0.2	1
79	Numerical simulation of breakup of a viscous drop in simple shear flow through a volume-of-fluid method. Physics of Fluids, 2000, 12, 269-282.	1.6	232
80	Structure of the spectrum in zero Reynolds number shear flow of the UCM and Oldroyd-B liquids. Journal of Non-Newtonian Fluid Mechanics, 1999, 80, 251-268.	1.0	94
81	Instability due to second normal stress jump in two-layer shear flow of the Giesekus fluid. Journal of Non-Newtonian Fluid Mechanics, 1999, 81, 215-234.	1.0	14
82	Takensâ€“Bogdanov bifurcation on the hexagonal lattice for double-layer convection. Physica D: Nonlinear Phenomena, 1999, 129, 171-202.	1.3	31
83	A note on bifurcation problems in large containers. Fluid Dynamics Research, 1999, 24, 189-199.	0.6	3
84	A model equation for axisymmetric stability of small-gap parallel-plate flows. Journal of Non-Newtonian Fluid Mechanics, 1998, 77, 103-114.	1.0	6
85	Failure and nonfailure of fluid filaments in extension1Dedicated to the memory of Professor Gianni Astarita.1. Journal of Non-Newtonian Fluid Mechanics, 1998, 76, 137-151.	1.0	62
86	A numerical study of periodic disturbances on two-layer Couette flow. Physics of Fluids, 1998, 10, 3056-3071.	1.6	57
87	Stability of equatorial currents with nonzero potential vorticity. Geophysical and Astrophysical Fluid Dynamics, 1997, 85, 31-64.	0.4	4
88	A Degenerate Parabolic-Hyperbolic System Modeling the Spreading of Surfactants. SIAM Journal on Mathematical Analysis, 1997, 28, 1048-1063.	0.9	16
89	Equilibrium Configurations of an Inflated Cylindrical Membrane. Journal of Elasticity, 1997, 46, 255-261.	0.9	3
90	Qualitative correlation between viscometric and linear viscoelastic functions. Journal of Non-Newtonian Fluid Mechanics, 1997, 68, 133-135.	1.0	11

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91	High weissenberg number boundary layers for the upper convected Maxwell fluid. Journal of Non-Newtonian Fluid Mechanics, 1997, 68, 125-132.	1.0	70
92	Re-entrant corner behavior of the PTT fluid. Journal of Non-Newtonian Fluid Mechanics, 1997, 69, 99-104.	1.0	24
93	The high Weissenberg number limit of the UCM model and the Euler equations. Journal of Non-Newtonian Fluid Mechanics, 1997, 69, 293-301.	1.0	32
94	Boundary layer analysis of the Phan-Thien-Tanner and Giesekus model in high Weissenberg number flow. Journal of Non-Newtonian Fluid Mechanics, 1997, 73, 181-189.	1.0	41
95	IMPOSING â€˜NOâ€™ BOUNDARY CONDITION AT OUTFLOW: WHY DOES IT WORK?. International Journal for Numerical Methods in Fluids, 1997, 24, 413-417.	0.9	41
96	Temporal Evolution of Periodic Disturbances in Two-Layer Couette Flow. Journal of Computational Physics, 1997, 132, 346-361.	1.9	60
97	Initial-Value Problems with Inflow Boundaries for Maxwell Fluids. SIAM Journal on Mathematical Analysis, 1996, 27, 914-931.	0.9	9
98	A singularly perturbed problem related to surfactant spreading on thin films. Nonlinear Analysis: Theory, Methods & Applications, 1996, 27, 287-296.	0.6	24
99	On an equation describing the spreading of surfactants on thin films. Nonlinear Analysis: Theory, Methods & Applications, 1996, 26, 1207-1219.	0.6	22
100	Singular value decomposition in Minkowski space. Linear Algebra and Its Applications, 1996, 236, 53-58.	0.4	25
101	A Characterization of Uniformly Accelerated Motion (Murray S. Klamkin). SIAM Review, 1996, 38, 525-526.	4.2	0
102	Spectrally determined growth is generic. Proceedings of the American Mathematical Society, 1996, 124, 2451-2453.	0.4	6
103	On the mechanism of drag reduction. Journal of Non-Newtonian Fluid Mechanics, 1995, 59, 93-101.	1.0	17
104	On the stability of differentiability of semigroups. Semigroup Forum, 1995, 51, 343-346.	0.3	20
105	Nonlinear stability of flows of Jeffreys fluids at low Weissenberg numbers. Archive for Rational Mechanics and Analysis, 1995, 132, 37-48.	1.1	11
106	Instability proof for some transonic problems with resonant mode crossings. Theoretical and Computational Fluid Dynamics, 1995, 7, 457-461.	0.9	2
107	A matched solution for corner flow of the upper convected Maxwell fluid. Journal of Non-Newtonian Fluid Mechanics, 1995, 58, 83-89.	1.0	64
108	A numerical study of the asymptotic evolution and breakup of Newtonian and viscoelastic jets. Journal of Non-Newtonian Fluid Mechanics, 1995, 59, 267-282.	1.0	111

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109	Nonlinear Problems of Elasticity (Stuart S. Antman). SIAM Review, 1995, 37, 637-637.	4.2	3
110	Polar decomposition of positive operators and a problem of crandall and lions. Applicable Analysis, 1995, 57, 383-385.	0.6	13
111	A Convex Set (Marvin Marcus). SIAM Review, 1994, 36, 111-111.	4.2	0
112	An Operator Limit (W. Boehm). SIAM Review, 1994, 36, 659-659.	4.2	0
113	An Integral Relation for Successive Eigenvalues (Richard B. Evans). SIAM Review, 1994, 36, 497-497.	4.2	0
114	A Unique Real Root (G. M. Gladwell). SIAM Review, 1994, 36, 661-662.	4.2	0
115	On the linear stability of hyperbolic PDEs and viscoelastic flows. Zeitschrift Fur Angewandte Mathematik Und Physik, 1994, 45, 854-865.	0.7	64
116	Reaction-diffusion problems in electrolysis. Nonlinear Differential Equations and Applications, 1994, 1, 91-117.	0.4	19
117	Instability of uniform flow. International Journal for Numerical Methods in Fluids, 1994, 19, 687-692.	0.9	0
118	Some comments on the surface-tension driven break-up (or the lack of it) of viscoelastic jets. Journal of Non-Newtonian Fluid Mechanics, 1994, 51, 97-107.	1.0	77
119	How to integrate the upper convected Maxwell (UCM) stresses near a singularity (and maybe) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	30
120	Mathematical Topics in Fluid Mechanics (J. F. Rodrigues and A. Sequeira). SIAM Review, 1994, 36, 139-140.	4.2	0
121	The stresses of an upper convected Maxwell fluid in a Newtonian velocity field near a re-entrant corner. Journal of Non-Newtonian Fluid Mechanics, 1993, 50, 127-134.	1.0	47
122	Shock conditions for hypoelastic materials. Theoretical and Computational Fluid Dynamics, 1993, 5, 49-55.	0.9	0
123	On Winning in the Game of Lotto (Andy Liu). SIAM Review, 1993, 35, 137-139.	4.2	0
124	On the Type of Certain Co-Semigroups. Communications in Partial Differential Equations, 1993, 18, 1299-1307.	1.0	40
125	Asymptotic Solution of the Telegraph Equation (Mark A. Pinsky). SIAM Review, 1993, 35, 306-307.	4.2	1
126	Derivation of amplitude equations and analysis of sideband instabilities in twoâ€layer flows. Physics of Fluids A, Fluid Dynamics, 1993, 5, 2738-2762.	1.6	40

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127	An Existence Theorem For A Free Surface Flow Problem With Open Boundaries. Communications in Partial Differential Equations, 1992, 17, 340-423.	1.0	7
128	Linear System with Positive Solutions (Peter Thejll). SIAM Review, 1992, 34, 500-502.	4.2	0
129	A centre manifold theorem for hyperbolic PDEs. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1992, 122, 363-377.	0.8	14
130	A possible explanation of ?bamboo waves? in core-annular flow of two liquids. Theoretical and Computational Fluid Dynamics, 1992, 4, 95-99.	0.9	4
131	Ill-posedness at the boundary for elastic solids sliding under Coulomb friction. Journal of Elasticity, 1992, 27, 281-287.	0.9	44
132	Pattern selection in the Bï¿½nard problem for a viscoelastic fluid. Zeitschrift Fur Angewandte Mathematik Und Physik, 1992, 43, 154-180.	0.7	18
133	Report on the VIIth international workshop on numerical methods in non-Newtonian flow. Journal of Non-Newtonian Fluid Mechanics, 1992, 43, 386.	1.0	4
134	An Existence Theorem for Model Equations Resulting from Kinetic Theories of Polymer Solutions. SIAM Journal on Mathematical Analysis, 1991, 22, 313-327.	0.9	82
135	Two-dimensional cusped interfaces. Journal of Fluid Mechanics, 1991, 223, 383.	1.4	112
136	On the nature of boundary conditions for flows with moving free surfaces. Journal of Computational Physics, 1991, 93, 325-335.	1.9	9
137	A Two-Point Boundary Problem for Airy Functions (Richard B. Evans). SIAM Review, 1991, 33, 477-479.	4.2	1
138	An alternative approach to inflow boundary conditions for Maxwell fluids in three space dimensions. Journal of Non-Newtonian Fluid Mechanics, 1990, 36, 419-425.	1.0	27
139	Short wave instabilities resulting from memory slip. Journal of Non-Newtonian Fluid Mechanics, 1990, 35, 73-76.	1.0	19
140	On the nature of boundary conditions for flows with moving free surfaces. Journal of Computational Physics, 1990, 89, 255.	1.9	0
141	Local Existence of Solutions of the Dirichlet Initial-Boundary Value Problem for Incompressible Hypoelastic Materials. SIAM Journal on Mathematical Analysis, 1990, 21, 1369-1385.	0.9	27
142	On the Number of Roots of a Transcendental Equation. SIAM Review, 1990, 32, 682-683.	4.2	0
143	Two Determinant Inequalities (Ralph Kelsey). SIAM Review, 1990, 32, 681-682.	4.2	0
144	Zero of Least Modulus (M. L. Glasser). SIAM Review, 1989, 31, 126-127.	4.2	1

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145	Stability of shear flows of viscoelastic fluids under perturbations perpendicular to the plane of flow. Journal of Non-Newtonian Fluid Mechanics, 1989, 32, 145-155.	1.0	8
146	On Rankineâ€"Hugoniot conditions for Maxwell liquids. Journal of Non-Newtonian Fluid Mechanics, 1989, 32, 69-77.	1.0	4
147	An existence theorem for the Dirichlet problem in the elastodynamics of incompressible materials. Archive for Rational Mechanics and Analysis, 1988, 102, 95-117.	1.1	12
148	Recent advances in the mathematical theory of steady flow of viscoelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 1988, 29, 11-24.	1.0	39
149	Bifurcating solutions at the onset of convection in the BÃ©nard problem for two fluids. Physica D: Nonlinear Phenomena, 1988, 32, 227-252.	1.3	26
150	A Model Equation for Viscoelasticity with a Strongly Singular Kernel. SIAM Journal on Mathematical Analysis, 1988, 19, 257-269.	0.9	34
151	Inflow boundary conditions for steady flow of viscoelastic fluids with differential constituitive laws. Rocky Mountain Journal of Mathematics, 1988, 18, 445.	0.2	38
152	A model equation in combustion theory exhibiting an infinite number of secondary bifurcations. Physica D: Nonlinear Phenomena, 1987, 28, 155-167.	1.3	15
153	Linear stability of plane couette flow of an upper convected maxwell fluid. Journal of Non-Newtonian Fluid Mechanics, 1986, 22, 23-33.	1.0	130
154	Somk remarks on the navier-stokes equations with a pressure-dependent viscosity. Communications in Partial Differential Equations, 1986, 11, 779-793.	1.0	52
155	Dense imbedding of test functions in certain function spaces. Transactions of the American Mathematical Society, 1986, 298, 241-241.	0.5	5
156	A local existence and uniqueness theorem for a K-BKZ-fluid. Archive for Rational Mechanics and Analysis, 1985, 88, 83-94.	1.1	24
157	Hyperbolicity and change of type in the flow of viscoelastic fluids. Archive for Rational Mechanics and Analysis, 1985, 87, 213-251.	1.1	207
158	Configuration-dependent friction coefficients and elastic dumbbell rheology. Journal of Non-Newtonian Fluid Mechanics, 1985, 18, 255-272.	1.0	49
159	Perturbation analysis of steady and oscillatory onset in a BÃ©nard problem with two similar liquids. Physics of Fluids, 1985, 28, 2699-2708.	1.4	31
160	Corrigenda: Laxâ€"Wendroff Methods for Hyperbolic History Value Problems. SIAM Journal on Numerical Analysis, 1985, 22, 204-204.	1.1	0
161	Laxâ€"Wendroff Methods for Hyperbolic History Value Problems. SIAM Journal on Numerical Analysis, 1984, 21, 24-51.	1.1	16
162	Limit of a Power of a Matrix (Gengzhe Chang). SIAM Review, 1984, 26, 121-122.	4.2	0

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163	Singularly Perturbed Hyperbolic Evolution Problems with Infinite Delay and an Application to Polymer Rheology. SIAM Journal on Mathematical Analysis, 1984, 15, 333-349.	0.9	19
164	Instability of the flow of two immiscible liquids with different viscosities in a pipe. Journal of Fluid Mechanics, 1984, 141, 309-317.	1.4	181
165	Local existence theorems for the first and second initial-boundary value problems for a weakly non-newtonian fluid. Archive for Rational Mechanics and Analysis, 1983, 83, 229-244.	1.1	12
166	Bifurcation of solutions of the laser equations. Physica D: Nonlinear Phenomena, 1983, 8, 57-89.	1.3	7
167	The Numerical Solution of a Class of Quasilinear Parabolic Volterra Equations Arising in Polymer Rheology. SIAM Journal on Numerical Analysis, 1983, 20, 890-908.	1.1	6
168	Bifurcation from Rotating Waves. Archive for Rational Mechanics and Analysis, 1982, 79, 49-84.	1.1	36
169	On bounded solutions of a classical yang-mills equation. Communications in Mathematical Physics, 1980, 76, 277-287.	1.0	7