List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Traveling Fronts in a Reaction–Diffusion Equation with a Memory Term. Journal of Dynamics and Differential Equations, 2024, 36, 487-513.	1.9	1
2	Leray–Hopf solutions to a viscoelastoplastic fluid model with nonsmooth stress–strain relation. Nonlinear Analysis: Real World Applications, 2022, 65, 103491.	1.7	4
3	Global Existence Analysis of Energy-Reaction-Diffusion Systems. SIAM Journal on Mathematical Analysis, 2022, 54, 220-267.	1.9	4
4	On the existence of globalâ€inâ€time weak solutions and scaling laws for Kolmogorov's twoâ€equationÂmodel for turbulence. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	1.6	4
5	On the Darwin-Howie-Whelan Equations for the Scattering of Fast Electrons Described by the SchrĶdinger Equation. SIAM Journal on Applied Mathematics, 2021, 81, 1552-1578.	1.8	2
6	A rigorous derivation and energetics of a wave equation with fractional damping. Journal of Evolution Equations, 2021, 21, 3079-3102.	1.1	2
7	EDP-convergence for nonlinear fast–slow reaction systems with detailed balance*. Nonlinearity, 2021, 34, 5762-5798.	1.4	7
8	Exploring families of energy-dissipation landscapes via tilting: three types of EDP convergence. Continuum Mechanics and Thermodynamics, 2021, 33, 611-637.	2.2	14
9	Linearized elasticity as Mosco limit of finite elasticity in the presence of cracks. Advances in Calculus of Variations, 2020, 13, 33-52.	1.2	0
10	Modeling of Chemical Reaction Systems with Detailed Balance Using Gradient Structures. Journal of Statistical Physics, 2020, 181, 2257-2303.	1.2	16
11	Coarse-graining via EDP-convergence for linear fast-slow reaction systems. Mathematical Models and Methods in Applied Sciences, 2020, 30, 1765-1807.	3.3	14
12	Thermoviscoelasticity in Kelvin–Voigt Rheology at Large Strains. Archive for Rational Mechanics and Analysis, 2020, 238, 1-45.	2.4	20
13	Multi-dimensional Modeling and Simulation of Semiconductor Nanophotonic Devices. Springer Series in Solid-state Sciences, 2020, , 241-283.	0.3	1
14	An existence result and evolutionary \$\$varGamma \$\$ Γ -convergence for perturbed gradient systems. Journal of Evolution Equations, 2019, 19, 479-522.	1.1	4
15	Geometric properties of cones with applications on the Hellinger–Kantorovich space, and a new distance on the space of probability measures. Journal of Functional Analysis, 2019, 276, 3529-3576.	1.4	11
16	A gradient system with a wiggly energy and relaxed EDP-convergence. ESAIM - Control, Optimisation and Calculus of Variations, 2019, 25, 68.	1.3	13
17	Decay to Equilibrium for Energy-Reaction-Diffusion Systems. SIAM Journal on Mathematical Analysis, 2018, 50, 1037-1075.	1.9	13
18	Global Existence Results for Viscoplasticity at Finite Strain. Archive for Rational Mechanics and Analysis, 2018, 227, 423-475.	2.4	17

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19	Optimal Entropy-Transport problems and a new Hellinger–Kantorovich distance between positive measures. Inventiones Mathematicae, 2018, 211, 969-1117.	2.5	105
20	Local control of globally competing patterns in coupled Swift–Hohenberg equations. Chaos, 2018, 28, 043121.	2.5	0
21	Convergence to Equilibrium in Energy-Reaction–Diffusion Systems Using Vector-Valued Functional Inequalities. Journal of Nonlinear Science, 2018, 28, 765-806.	2.1	8
22	Coexistence of Hamiltonian-Like and Dissipative Dynamics in Rings of Coupled Phase Oscillators with Skew-Symmetric Coupling. SIAM Journal on Applied Dynamical Systems, 2018, 17, 2076-2105.	1.6	14
23	Three Examples Concerning the Interaction of Dry Friction and Oscillations. Springer INdAM Series, 2018, , 159-177.	0.5	1
24	An Entropic Gradient Structure for Lindblad Equations and Couplings of Quantum Systems to Macroscopic Models. Journal of Statistical Physics, 2017, 167, 205-233.	1.2	31
25	Non-equilibrium Thermodynamical Principles for Chemical Reactions with Mass-Action Kinetics. SIAM Journal on Applied Mathematics, 2017, 77, 1562-1585.	1.8	27
26	Uniform Exponential Decay for Reaction-Diffusion Systems with Complex-Balanced Mass-Action Kinetics. Springer Proceedings in Mathematics and Statistics, 2017, , 149-171.	0.2	3
27	Uniform Asymptotic Expansions for the Fundamental Solution of Infinite Harmonic Chains. Zeitschrift Fur Analysis Und Ihre Anwendung, 2017, 36, 437-475.	0.6	1
28	Variational Methods for Evolution. Oberwolfach Reports, 2017, 14, 3185-3261.	0.0	0
29	On microscopic origins of generalized gradient structures. Discrete and Continuous Dynamical Systems - Series S, 2017, 10, 1-35.	1.1	11
30	Averaging of time-periodic dissipation potentials in rate-independent processes. Discrete and Continuous Dynamical Systems - Series S, 2017, 10, 1303-1327.	1.1	3
31	Balanced-Viscosity solutions for multi-rate systems. Journal of Physics: Conference Series, 2016, 727, 012010.	0.4	7
32	Balanced Viscosity (BV) solutions to infinite-dimensional rate-independent systems. Journal of the European Mathematical Society, 2016, 18, 2107-2165.	1.4	41
33	Optimal Transport in Competition with Reaction: The HellingerKantorovich Distance and Geodesic Curves. SIAM Journal on Mathematical Analysis, 2016, 48, 2869-2911.	1.9	63
34	Existence, numerical convergence and evolutionary relaxation for a rate-independent phase-transformation model. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150171.	3.4	2
35	A Generalization of Onsager's Reciprocity Relations to Gradient Flows with Nonlinear Mobility. Journal of Non-Equilibrium Thermodynamics, 2016, 41, 141-149.	4.2	37
36	Rate-independent elastoplasticity at finite strains and its numerical approximation. Mathematical Models and Methods in Applied Sciences, 2016, 26, 2203-2236.	3.3	32

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37	On Evolutionary \$\$varGamma \$\$ Γ -Convergence for Gradient Systems. Lecture Notes in Applied Mathematics and Mechanics, 2016, , 187-249.	1.1	47
38	Deriving Effective Models for Multiscale Systems via Evolutionary \$\$varGamma \$\$ Γ -Convergence. Understanding Complex Systems, 2016, , 235-251.	0.6	6
39	Variational Methods for Evolution. Oberwolfach Reports, 2015, 11, 3177-3254.	0.0	Ο
40	In Memoriam Klaus KirchgÃ s sner. Journal of Dynamics and Differential Equations, 2015, 27, 335-342.	1.9	0
41	On Uniform Decay of the Entropy for Reaction–Diffusion Systems. Journal of Dynamics and Differential Equations, 2015, 27, 897-928.	1.9	29
42	Global-in-time existence of weak solutions to Kolmogorov's two-equation model of turbulence. Comptes Rendus Mathematique, 2015, 353, 321-326.	0.3	9
43	Rate-Independent Systems. Applied Mathematical Sciences (Switzerland), 2015, , .	0.8	159
44	Global existence for a nonlocal and nonlinear Fokker–Planck equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 293-315.	1.4	9
45	Spectrum and amplitude equations for scalar delay-differential equations with large delay. Discrete and Continuous Dynamical Systems, 2015, 35, 537-553.	0.9	14
46	Rate-independent systems in Banach spaces. Applied Mathematical Sciences (Switzerland), 2015, , 117-234.	0.8	1
47	Variational Approaches and Methods for Dissipative Material Models with Multiple Scales. Lecture Notes in Applied and Computational Mechanics, 2015, , 125-155.	2.2	5
48	Deriving amplitude equations via evolutionary \$Gamma\$-convergence. Discrete and Continuous Dynamical Systems, 2015, 35, 2679-2700.	0.9	10
49	Energetic rate-independent systems. Applied Mathematical Sciences (Switzerland), 2015, , 45-115.	0.8	1
50	Beyond rate-independence. Applied Mathematical Sciences (Switzerland), 2015, , 459-577.	0.8	0
51	Applications in continuum mechanics and physics of solids. Applied Mathematical Sciences (Switzerland), 2015, , 235-458.	0.8	0
52	A general view of rate-independent systems. Applied Mathematical Sciences (Switzerland), 2015, , 1-43.	0.8	0
53	An Approach to Nonlinear Viscoelasticity via Metric Gradient Flows. SIAM Journal on Mathematical Analysis, 2014, 46, 1317-1347.	1.9	16
54	On the Relation between Gradient Flows and the Large-Deviation Principle, with Applications to Markov Chains and Diffusion. Potential Analysis, 2014, 41, 1293-1327.	0.9	103

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55	Two-scale homogenization of nonlinear reaction-diffusion systems with slow diffusion. Networks and Heterogeneous Media, 2014, 9, 353-382.	1.1	20
56	On the vanishing-viscosity limit in parabolic systems with rate-independent dissipation terms. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 2014, , 67-135.	0.2	6
57	Geodesic convexity of the relative entropy in reversible Markov chains. Calculus of Variations and Partial Differential Equations, 2013, 48, 1-31.	1.7	93
58	A gradient structure for systems coupling reaction–diffusion effects in bulk and interfaces. Zeitschrift Fur Angewandte Mathematik Und Physik, 2013, 64, 29-52.	1.4	40
59	Nonsmooth analysis of doubly nonlinear evolution equations. Calculus of Variations and Partial Differential Equations, 2013, 46, 253-310.	1.7	57
60	HOMOGENIZATION OF ELASTIC WAVES IN FLUID-SATURATED POROUS MEDIA USING THE BIOT MODEL. Mathematical Models and Methods in Applied Sciences, 2013, 23, 873-916.	3.3	17
61	Linearized plasticity is the evolutionary \$Gamma\$-limit of finite plasticity. Journal of the European Mathematical Society, 2013, 15, 923-948.	1.4	27
62	Gradient structures and geodesic convexity for reaction–diffusion systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120346.	3.4	51
63	Dissipative Quantum Mechanics Using GENERIC. Springer Proceedings in Mathematics and Statistics, 2013, , 555-585.	0.2	7
64	Thermomechanical modeling of energy-reaction-diffusion systems, including bulk-interface interactions. Discrete and Continuous Dynamical Systems - Series S, 2013, 6, 479-499.	1.1	33
65	Preface: Rate-independent evolutions. Discrete and Continuous Dynamical Systems - Series S, 2013, 6, i-ii.	1.1	0
66	Neue Bücher aus Oberwolfach. Mitteilungen Der Deutschen Mathematiker-Vereinigung, 2012, 20, .	0.0	0
67	BV solutions and viscosity approximations of rate-independent systems. ESAIM - Control, Optimisation and Calculus of Variations, 2012, 18, 36-80.	1.3	83
68	Quasi-Static Small-Strain Plasticity in the Limit of Vanishing Hardening and Its Numerical Approximation. SIAM Journal on Numerical Analysis, 2012, 50, 951-976.	2.3	36
69	Variational Convergence of Gradient Flows and Rate-Independent Evolutions in Metric Spaces. Milan Journal of Mathematics, 2012, 80, 381-410.	1.1	25
70	Emergence of rate-independent dissipation from viscous systems with wiggly energies. Continuum Mechanics and Thermodynamics, 2012, 24, 591-606.	2.2	17
71	From Damage to Delamination in Nonlinearly Elastic Materials at Small Strains. Journal of Elasticity, 2012, 109, 235-273.	1.9	31
72	A model for the evolution of laminates in finiteâ€strain elastoplasticity. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2012, 92, 888-909.	1.6	18

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73	Calculation of ultrashort pulse propagation based on rational approximations for medium dispersion. Optical and Quantum Electronics, 2012, 44, 241-246.	3.3	7
74	Passing to the limit in a Wasserstein gradient flow: from diffusion to reaction. Calculus of Variations and Partial Differential Equations, 2012, 44, 419-454.	1.7	37
75	Generalized Prandtl–Ishlinskii operators arising from homogenization and dimension reduction. Physica B: Condensed Matter, 2012, 407, 1330-1335.	2.7	9
76	From Discrete Visco-Elasticity to Continuum Rate-Independent Plasticity: Rigorous Results. Archive for Rational Mechanics and Analysis, 2012, 203, 577-619.	2.4	44
77	A gradient structure for reaction–diffusion systems and for energy-drift-diffusion systems. Nonlinearity, 2011, 24, 1329-1346.	1.4	168
78	Formulation of thermoelastic dissipative material behavior using GENERIC. Continuum Mechanics and Thermodynamics, 2011, 23, 233-256.	2.2	84
79	On thermodynamically consistent models and gradient structures for thermoplasticity. GAMM Mitteilungen, 2011, 34, 51-58.	5.5	9
80	Weighted energy-dissipation functionals for gradient flows. ESAIM - Control, Optimisation and Calculus of Variations, 2011, 17, 52-85.	1.3	28
81	AN EVOLUTIONARY ELASTOPLASTIC PLATE MODEL DERIVED VIA Γ-CONVERGENCE. Mathematical Models and Methods in Applied Sciences, 2011, 21, 1961-1986.	3.3	20
82	Differential, Energetic, and Metric Formulations for Rate-Independent Processes. Lecture Notes in Mathematics, 2011, , 87-170.	0.2	40
83	Complete-damage evolution based on energies and stresses. Discrete and Continuous Dynamical Systems - Series S, 2011, 4, 423-439.	1.1	14
84	Complete damage in elastic and viscoelastic media and its energetics. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 1242-1253.	6.6	39
85	Crack growth in polyconvex materials. Physica D: Nonlinear Phenomena, 2010, 239, 1470-1484.	2.8	41
86	Padé approximant for refractive index and nonlocal envelope equations. Optics Communications, 2010, 283, 480-485.	2.1	28
87	Damage of nonlinearly elastic materials at small strain – Existence and regularity results –. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2010, 90, 88-112.	1.6	70
88	Microstructures in Solids: From Quantum Models to Continua. Oberwolfach Reports, 2010, 7, 733-798.	0.0	0
89	Dispersive stability of infinite-dimensional Hamiltonian systems on lattices. Applicable Analysis, 2010, 89, 1493-1512.	1.3	14
90	High-frequency averaging in semi-classical Hartree-type equations. Asymptotic Analysis, 2010, 70, 87-100.	0.5	4

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91	Error Estimates for Space-Time Discretizations of a Rate-Independent Variational Inequality. SIAM Journal on Numerical Analysis, 2010, 48, 1625-1646.	2.3	25
92	Error Bounds for Space-Time Discretizations of a 3D Model for Shape-Memory Materials. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 185-197.	0.2	5
93	Existence Theory for Finite-Strain Crystal Plasticity with Gradient Regularization. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 171-183.	0.2	1
94	Numerical approaches to rate-independent processes and applications in inelasticity. ESAIM: Mathematical Modelling and Numerical Analysis, 2009, 43, 399-428.	1.9	36
95	Reverse Approximation of Energetic Solutions to Rate-Independent Processes. Nonlinear Differential Equations and Applications, 2009, 16, 17-40.	0.8	10
96	A complete-damage problem at small strains. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 205-236.	1.4	37
97	Global Existence for Rate-Independent Gradient Plasticity at Finite Strain. Journal of Nonlinear Science, 2009, 19, 221-248.	2.1	76
98	A Model for the Evolution of Laminates. Proceedings in Applied Mathematics and Mechanics, 2009, 9, 43-46.	0.2	0
99	On Existence and Approximation for a 3D Model of Thermally Induced Phase Transformations in Shape-Memory Alloys. SIAM Journal on Mathematical Analysis, 2009, 41, 1388-1414.	1.9	23
100	Multi-pulse evolution and space-time chaos in dissipative systems. Memoirs of the American Mathematical Society, 2009, 198, 0-0.	0.9	22
101	A metric approach to a class of doubly nonlinear evolution equations and applications. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 2009, , 97-169.	0.2	14
102	Modeling solutions with jumps for rate-independent systems on metric spaces. Discrete and Continuous Dynamical Systems, 2009, 25, 585-615.	0.9	68
103	Convergence of solutions of kinetic variational inequalities in the rate-independent quasi-static limit. Journal of Mathematical Analysis and Applications, 2008, 348, 1012-1020.	1.0	10
104	Γ-limits and relaxations for rate-independent evolutionary problems. Calculus of Variations and Partial Differential Equations, 2008, 31, 387-416.	1.7	149
105	On rate independent models for crack propagation. Proceedings in Applied Mathematics and Mechanics, 2008, 8, 10213-10214.	0.2	0
106	Existence and approximation for a 3D model of thermally-induced phase transformations in shape-memory alloys. Proceedings in Applied Mathematics and Mechanics, 2008, 8, 10395-10396.	0.2	3
107	Energy release rate for cracks in finiteâ€strain elasticity. Mathematical Methods in the Applied Sciences, 2008, 31, 501-528	2.3	33
108	Interaction of modulated pulses in the nonlinear SchrĶdinger equation with periodic potential. Journal of Differential Equations, 2008, 245, 939-963.	2.2	17

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109	On the Energy Release Rate in Finite–Strain Elasticity. Mechanics of Advanced Materials and Structures, 2008, 15, 421-427.	2.6	0
110	A class of minimum principles for characterizing the trajectories and the relaxation of dissipative systems. ESAIM - Control, Optimisation and Calculus of Variations, 2008, 14, 494-516.	1.3	62
111	A discrete variational principle for rate-independent evolution. Advances in Calculus of Variations, 2008, 1, .	1.2	24
112	A RATE-INDEPENDENT MODEL FOR THE ISOTHERMAL QUASI-STATIC EVOLUTION OF SHAPE-MEMORY MATERIALS. Mathematical Models and Methods in Applied Sciences, 2008, 18, 125-164.	3.3	48
113	ON THE INVISCID LIMIT OF A MODEL FOR CRACK PROPAGATION. Mathematical Models and Methods in Applied Sciences, 2008, 18, 1529-1569.	3.3	94
114	Lagrangian and Hamiltonian two-scale reduction. Journal of Mathematical Physics, 2008, 49, .	1.1	6
115	Numerical Approximation Techniques for Rate-Independent Inelasticity. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2008, , 53-63.	0.2	1
116	Weak-convergence methods for Hamiltonian multiscale problems. Discrete and Continuous Dynamical Systems, 2008, 20, 53-79.	0.9	11
117	EXISTENCE AND UNIQUENESS RESULTS FOR A CLASS OF RATE-INDEPENDENT HYSTERESIS PROBLEMS. Mathematical Models and Methods in Applied Sciences, 2007, 17, 81-123.	3.3	53
118	A model for temperature-induced phase transformations in finite-strain elasticity. IMA Journal of Applied Mathematics, 2007, 72, 644-658.	1.6	8
119	Two-Scale Homogenization for Evolutionary Variational Inequalities via the Energetic Formulation. SIAM Journal on Mathematical Analysis, 2007, 39, 642-668.	1.9	68
120	Analysis and Numerics for Rate-Independent Processes. Oberwolfach Reports, 2007, 4, 591-666.	0.0	0
121	Existence results for a contact problem with varying friction coefficient and nonlinear forces. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2007, 87, 616-631.	1.6	4
122	Infinite-Dimensional Hyperbolic Sets and Spatio-Temporal Chaos in Reaction Diffusion Systems in \$\${mathbb{R}^{n}}\$. Journal of Dynamics and Differential Equations, 2007, 19, 333-389.	1.9	10
123	Existence results for a class of rate-independent material models with nonconvex elastic energies. Journal Fur Die Reine Und Angewandte Mathematik, 2006, 2006, .	0.9	86
124	Modeling and Analytical Study for Ferroelectric Materials. Mechanics of Advanced Materials and Structures, 2006, 13, 457-462.	2.6	5
125	Lower semicontinuity and existence of minimizers in incremental finite-strain elastoplasticity. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2006, 86, 233-250.	1.6	58
126	Macroscopic Behavior of Microscopic Oscillations in Harmonic Lattices via Wigner-Husimi Transforms. Archive for Rational Mechanics and Analysis, 2006, 181, 401-448.	2.4	58

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127	An energetic material model for time-dependent ferroelectric behaviour: existence and uniqueness. Mathematical Methods in the Applied Sciences, 2006, 29, 1393-1410.	2.3	26
128	Micro–macro transition in the atomic chain via Whitham's modulation equation. Nonlinearity, 2006, 19, 471-500.	1.4	33
129	Continuum Descriptions for the Dynamics in Discrete Lattices: Derivation and Justification. , 2006, , 435-466.		10
130	A Rate-Independent Approach to the Delamination Problem. Mathematics and Mechanics of Solids, 2006, 11, 423-447.	2.4	56
131	A Mathematical Framework for Generalized Standard Materials in the Rate-Independent Case. , 2006, , 399-428.		30
132	RATE-INDEPENDENT DAMAGE PROCESSES IN NONLINEAR ELASTICITY. Mathematical Models and Methods in Applied Sciences, 2006, 16, 177-209.	3.3	98
133	Analytical and Numerical Methods for Finite-Strain Elastoplasticity. , 2006, , 491-529.		4
134	Dispersive evolution of pulses in oscillator chains with general interaction potentials. Discrete and Continuous Dynamical Systems - Series B, 2006, 6, 493-523.	0.9	24
135	Evolution of Rate-Independent Systems. Handbook of Differential Equations: Evolutionary Equations, 2005, 2, 461-559.	0.9	222
136	Dynamical Properties of Spatially Non-Decaying 2D Navier?Stokes Flows with Kolmogorov Forcing in an Infinite Strip. Journal of Mathematical Fluid Mechanics, 2005, 7, S51-S67.	1.0	15
137	Existence results for energetic models for rate-independent systems. Calculus of Variations and Partial Differential Equations, 2005, 22, 73-99.	1.7	146
138	Modelling of Microstructure and its Evolution in Shape-Memory-Alloy Single-Crystals, in Particular in CuAlNi. Meccanica, 2005, 40, 389-418.	2.0	86
139	Vortex pinning in super-conductivity as a rate-independent process. European Journal of Applied Mathematics, 2005, 16, 799-808.	2.9	7
140	The nonlinear Schrödinger equation as a macroscopic limit for an oscillator chain with cubic nonlinearities. Nonlinearity, 2004, 17, 551-565.	1.4	49
141	On rate-independent hysteresis models. Nonlinear Differential Equations and Applications, 2004, 11, 151.	0.8	183
142	Macroscopic pulse evolution for a nonlinear oscillator chain. Proceedings in Applied Mathematics and Mechanics, 2004, 4, 540-541.	0.2	1
143	Deriving new evolution equations for microstructures via relaxation of variational incremental problems. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 5095-5127.	6.6	46
144	Existence of Minimizers in Incremental Elasto-Plasticity with Finite Strains. SIAM Journal on Mathematical Analysis, 2004, 36, 384-404.	1.9	55

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145	Uniqueness of the Surface-Wave Speed: A Proof That Is Independent of the Stroh Formalism. Mathematics and Mechanics of Solids, 2004, 9, 5-15.	2.4	11
146	Energetic formulation of multiplicative elasto-plasticity using dissipation distances. Continuum Mechanics and Thermodynamics, 2003, 15, 351-382.	2.2	137
147	Convergence Results for a Coarsening Model Using Global Linearization. Journal of Nonlinear Science, 2003, 13, 311-346.	2.1	15
148	Errata to "The free energy of mixing for n-variant martensitic phase transformations using quasi-convex analysis― Journal of the Mechanics and Physics of Solids, 2003, 51, 763.	4.8	28
149	A Rate-Independent Model for Inelastic Behavior of Shape-Memory Alloys. Multiscale Modeling and Simulation, 2003, 1, 571-597.	1.6	88
150	Dissipation distances in multiplicative elastoplasticity. Lecture Notes in Applied and Computational Mechanics, 2003, , 87-100.	2.2	16
151	Finite Elastoplasticity Lie Groups and Geodesics on SL(d). , 2002, , 61-90.		52
152	The Ginzburg-Landau Equation in Its Role as a Modulation Equation* *The research was partially supported by DFG-SPP "Dynamische Systeme―under Mi 459/2 and by Volkswagen-Stiftung under 1/71016 Handbook of Dynamical Systems, 2002, 2, 759-834.	0.6	69
153	On the energetic stability of solitary water waves. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 2337-2358.	3.4	30
154	Infinite-dimensional trajectory attractors of elliptic boundary-value problems in cylindrical domains. Russian Mathematical Surveys, 2002, 57, 753-784.	0.6	20
155	Non–convex potentials and microstructures in finite–strain plasticity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2002, 458, 299-317.	2.1	296
156	A new identity for the surface–impedance matrix and its application to the determination of surface-wave speeds. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2002, 458, 2523-2543.	2.1	57
157	A Variational Formulation of¶Rate-Independent Phase Transformations¶Using an Extremum Principle. Archive for Rational Mechanics and Analysis, 2002, 162, 137-177.	2.4	242
158	Multi-pulse solutions to the Navier-Stokes problem between parallel plates. Zeitschrift Fur Angewandte Mathematik Und Physik, 2001, 52, 79-100.	1.4	14
159	Nonlocal modulation equations for viscous-fluid flows in layers and spatially localized perturbations. Doklady Physics, 2001, 46, 869-872.	0.7	1
160	A spatial dynamics approach to three-dimensional gravity-capillary steady water waves. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2001, 131, 83-136.	1.2	57
161	Stability and Diffusive Dynamics on Extended Domains. , 2001, , 563-583.		9
162	Influence of Hardening and Inhomogeneity on Internal Loops in Pseudoelasticity. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2000, 80, 291-306.	1.6	11

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163	Comparison of Inertial Manifolds and Application to Modulated Systems. Mathematische Nachrichten, 2000, 214, 53-69.	0.8	22
164	Bifurcation of Homoclinic Orbits to a Saddle-Focus in Reversible Systems with SO(2)-Symmetry. Journal of Differential Equations, 1999, 159, 370-402.	2.2	20
165	Flow properties for Young-measure solutions of semilinear hyperbolic problems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1999, 129, 85-123.	1.2	15
166	Quasiconvexity at the Boundary and a Simple Variational Formulation of Agmon's Condition. , 1998, 51, 23-41.		39
167	Diffusive Mixing of Stable States in the Ginzburg-Landau Equation. Communications in Mathematical Physics, 1998, 199, 71-97.	2.2	19
168	Bounds for the solutions of the complex Ginzburg-Landau equation in terms of the dispersion parameters. Physica D: Nonlinear Phenomena, 1998, 117, 106-116.	2.8	30
169	Global existence and uniqueness for an optical fibre laser model. Nonlinearity, 1998, 11, 1489-1504.	1.4	5
170	The complex Ginzburg - Landau equation on large and unbounded domains: sharper bounds and attractors. Nonlinearity, 1997, 10, 199-222.	1.4	89
171	Mathematical analysis of sideband instabilities with application to rayleigh-bénard convection. Journal of Nonlinear Science, 1997, 7, 57-99.	2.1	19
172	Instability and Stability of Rolls in the Swift-Hohenberg Equation. Communications in Mathematical Physics, 1997, 189, 829-853.	2.2	68
173	Instability of Spatially — Periodic States for a Family of Semilinear PDE's on an Infinite Strip. Mathematische Nachrichten, 1996, 179, 5-25.	0.8	7
174	On the justification of plate theories in linear elasticity theory using exponential decay estimates. Journal of Elasticity, 1995, 38, 165-208.	1.9	18
175	A proof of the Benjamin-Feir instability. Archive for Rational Mechanics and Analysis, 1995, 133, 145-198.	2.4	82
176	Bifurcations of Poiseuille flow between parallel plates: Three-dimensional solutions with large spanwise wavelength. Archive for Rational Mechanics and Analysis, 1995, 129, 101-127.	2.4	14
177	Attractors for modulation equations on unbounded domains-existence and comparison. Nonlinearity, 1995, 8, 743-768.	1.4	152
178	Essential Manifolds for an Elliptic Problem in an Infinite Strip. Journal of Differential Equations, 1994, 110, 322-355.	2.2	46
179	The validity of modulation equations for extended systems with cubic nonlinearities. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1992, 122, 85-91.	1.2	156
180	Reduction of PDEs on domains with several unbounded directions: A first step towards modulation equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 1992, 43, 449-470.	1.4	23

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181	Normal hyperbolicity of center manifolds and Saint-Venant's principle. Archive for Rational Mechanics and Analysis, 1990, 110, 353-372.	2.4	55
182	Reduction of quasilinear elliptic equations in cylindrical domains with applications. Mathematical Methods in the Applied Sciences, 1988, 10, 51-66.	2.3	172
183	Spatially complex equilibria of buckled rods. Archive for Rational Mechanics and Analysis, 1988, 101, 319-348.	2.4	86
184	Saint-Venant's problem and semi-inverse solutions in nonlinear elasticity. Archive for Rational Mechanics and Analysis, 1988, 102, 205-229.	2.4	61
185	On Saint-Venant's problem for an elastic strip. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1988, 110, 161-181.	1.2	19
186	�ber maximaleL p-Regularitï;½t fï;½r Differentialgleichungen in Banach- und Hilbert-Rï;½umen. Mathematisch Annalen, 1987, 277, 121-133.	10 1.4	36
187	A reduction principle for nonautonomous systems in infinite-dimensional spaces. Journal of Differential Equations, 1986, 65, 68-88.	2.2	95
188	Relating a Rate-Independent System and a Gradient System for the Case of One-Homogeneous Potentials. Journal of Dynamics and Differential Equations, 0, , 1.	1.9	0