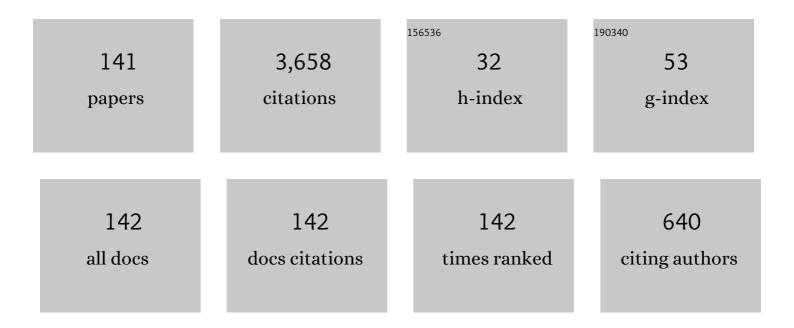
List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Large-amplitude modulation of periodic traveling waves. Discrete and Continuous Dynamical Systems -<br>Series S, 2022, .   | 0.6 | 0         |
| 2  | Instantaneous smoothing and exponential decay of solutions for a degenerate evolution equation with application to Boltzmann's equation. Kinetic and Related Models, 2022, 15, 729.            | 0.5 | 0         |
| 3  | Transverse bifurcation of viscous slow MHD shocks. Physica D: Nonlinear Phenomena, 2021, 420, 132857.  | 1.3 | 1         |
| 4  | Stability of strong detonation waves for Majda's model with general ignition functions. Quarterly of<br>Applied Mathematics, 2021, 79, 357-365.  | 0.5 | 0         |
| 5  | Stability of Hydraulic Shock Profiles. Archive for Rational Mechanics and Analysis, 2020, 235, 195-285.  | 1.1 | 7         |
| 6  | A Sturm–Liouville theorem for quadratic operator pencils. Journal of Differential Equations, 2020,<br>268, 3848-3879.  | 1.1 | 2         |
| 7  | Spectral stability of hydraulic shock profiles. Physica D: Nonlinear Phenomena, 2020, 405, 132360.   | 1.3 | 3         |
| 8  | Spectral Stability of Inviscid Roll Waves. Communications in Mathematical Physics, 2019, 367, 265-316.   | 1.0 | 15        |
| 9  | Convergence as period goes to infinity of spectra of periodic traveling waves toward essential spectra of a homoclinic limit. Journal Des Mathematiques Pures Et Appliquees, 2019, 132, 27-40. | 0.8 | 2         |
| 10 | Existence and stability of steady compressible Navier–Stokes solutions on a finite interval with noncharacteristic boundary conditions. Physica D: Nonlinear Phenomena, 2019, 394, 16-25.      | 1.3 | 2         |
| 11 | Reverse norms and Lâ^ž exponential decay for a class of degenerate evolution systems arising in kinetic theory. Journal of Mathematical Analysis and Applications, 2019, 475, 190-202.         | 0.5 | 0         |
| 12 | Stable manifolds for a class of singular evolution equations and exponential decay of kinetic shocks.<br>Kinetic and Related Models, 2019, 12, 1-36.   | 0.5 | 2         |
| 13 | Center manifolds for a class of degenerate evolution equations and existence of small-amplitude kinetic shocks. Journal of Differential Equations, 2018, 264, 6752-6808.                       | 1.1 | 2         |
| 14 | Turing patterns in parabolic systems of conservation laws and numerically observed stability of periodic waves. Physica D: Nonlinear Phenomena, 2018, 367, 11-18.                              | 1.3 | 2         |
| 15 | Diffusive Stability of Spatially Periodic Solutions of the Brusselator Model. Communications in Mathematical Physics, 2018, 358, 1-43.   | 1.0 | 5         |
| 16 | Euler Versus Lagrange: The Role of Coordinates in Practical Evans-Function Computations. SIAM<br>Journal on Applied Dynamical Systems, 2018, 17, 1766-1785.                                    | 0.7 | 1         |
| 17 | Invariant Manifolds for a Class ofÂDegenerate Evolution Equations andÂStructure of Kinetic Shock<br>Layers. Springer Proceedings in Mathematics and Statistics, 2018, , 691-714.               | 0.1 | 1         |
| 18 | Note on the stability of viscous roll waves. Comptes Rendus - Mecanique, 2017, 345, 125-129.   | 2.1 | 6         |

| #  | Article   | IF   | CITATIONS            |
|----|---|------|----------------------|
| 19 | Multidimensional Stability of Large-Amplitude Navier–Stokes Shocks. Archive for Rational Mechanics<br>and Analysis, 2017, 226, 923-973.   | 1.1  | 17                   |
| 20 | On Nonlinear Stabilization of Linearly Unstable Maps. Journal of Nonlinear Science, 2017, 27, 1641-1666.  | 1.0  | 4                    |
| 21 | Stability of Viscous St. Venant Roll Waves: From Onset to Infinite Froude Number Limit. Journal of<br>Nonlinear Science, 2017, 27, 285-342.   | 1.0  | 13                   |
| 22 | Balanced flux formulations for multidimensional Evans-function computations for viscous shocks.<br>Quarterly of Applied Mathematics, 2017, 76, 531-545.   | 0.5  | 4                    |
| 23 | Recent Results on Stability of Planar Detonations. Springer INdAM Series, 2017, , 273-308.  | 0.4  | 2                    |
| 24 | <i>L</i> <sup>â^ž</sup> resolvent bounds for steady Boltzmann's Equation. Kinetic<br>and Related Models, 2017, 10, 1255-1257.   | 0.5  | 3                    |
| 25 | Block-Diagonalization of ODEs in the Semiclassical Limit and \$C^omega\$ versus \$C^infty\$ Stationary<br>Phase. SIAM Journal on Mathematical Analysis, 2016, 48, 1773-1797.  | 0.9  | 2                    |
| 26 | Pointwise nonlinear stability of nonlocalized modulated periodic reaction–diffusion waves. Journal of Differential Equations, 2016, 261, 3941-3963.   | 1.1  | 4                    |
| 27 | Numerical proof of stability of viscous shock profiles. Mathematical Models and Methods in Applied Sciences, 2016, 26, 2451-2469.   | 1.7  | 9                    |
| 28 | Periodic-Coefficient Damping Estimates, and Stability of Large-Amplitude Roll Waves in Inclined Thin<br>Film Flow. SIAM Journal on Mathematical Analysis, 2016, 48, 268-280.  | 0.9  | 9                    |
| 29 | High-Frequency Stability of Detonations and Turning Points at Infinity. SIAM Journal on Mathematical<br>Analysis, 2015, 47, 1800-1878.  | 0.9  | 6                    |
| 30 | Convex Entropy, Hopf Bifurcation, and Viscous and Inviscid Shock Stability. Archive for Rational Mechanics and Analysis, 2015, 217, 309-372.  | 1.1  | 13                   |
| 31 | Stability of Viscous Weak Detonation Waves for Majda's Model. Journal of Dynamics and Differential Equations, 2015, 27, 237-260.  | 1.0  | 6                    |
| 32 | <pre><mml:math altimg="si7.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>O</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo> Hopf bifurcation of viscous shock waves in a channel. Physica D: Nonlinear Phenomena, 2015, 308, 59-79.</mml:mo></mml:mrow></mml:math></pre> | )1.3 | o> <u>۶</u> /mml:mro |
| 33 | Viscous Hyperstabilization of Detonation Waves in One Space Dimension. SIAM Journal on Applied Mathematics, 2015, 75, 885-906.  | 0.8  | 14                   |
| 34 | Spectral stability of periodic wave trains of the Korteweg-de Vries/Kuramoto-Sivashinsky equation in<br>the Korteweg-de Vries limit. Transactions of the American Mathematical Society, 2014, 367, 2159-2212.   | 0.5  | 21                   |
| 35 | Entropy criteria and stability of extreme shocks: a remark on a paper of Leger and Vasseur.<br>Proceedings of the American Mathematical Society, 2014, 143, 749-754.  | 0.4  | 6                    |
| 36 | Behavior of periodic solutions of viscous conservation laws under localized and nonlocalized perturbations. Inventiones Mathematicae, 2014, 197, 115-213.   | 1.3  | 50                   |

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|----|---|-----|-----------|
| 37 | Nonlinear stability of source defects in the complex Ginzburg–Landau equation. Nonlinearity, 2014, 27,<br>739-786.  | 0.6 | 15        |
| 38 | Nonlocalized modulation of periodic reaction diffusion waves: The Whitham equation. Archive for Rational Mechanics and Analysis, 2013, 207, 669-692.  | 1.1 | 33        |
| 39 | Nonlocalized Modulation of Periodic Reaction Diffusion Waves: Nonlinear Stability. Archive for<br>Rational Mechanics and Analysis, 2013, 207, 693-715.  | 1.1 | 28        |
| 40 | Nonlinear modulational stability of periodic traveling-wave solutions of the generalized<br>Kuramoto–Sivashinsky equation. Physica D: Nonlinear Phenomena, 2013, 258, 11-46.  | 1.3 | 43        |
| 41 | Stability of viscous detonations for Majda's model. Physica D: Nonlinear Phenomena, 2013, 259, 63-80.   | 1.3 | 7         |
| 42 | Convergence of Hill's Method for Nonselfadjoint Operators. SIAM Journal on Numerical Analysis, 2012, 50, 64-78.   | 1.1 | 18        |
| 43 | Efficient numerical stability analysis of detonation waves in ZND. Quarterly of Applied Mathematics, 2012, 70, 685-703.   | O.5 | 9         |
| 44 | 2-Modified Characteristic Fredholm Determinants, Hill's Method, and the Periodic Evans Function of<br>Gardner. Zeitschrift Fur Analysis Und Ihre Anwendung, 2012, 31, 463-472.  | 0.8 | 4         |
| 45 | The Erpenbeck High Frequency Instability Theorem for Zeldovitch–von Neumann–Döring Detonations.<br>Archive for Rational Mechanics and Analysis, 2012, 204, 141-187.   | 1.1 | 8         |
| 46 | Stability of periodic Kuramoto–Sivashinsky waves. Applied Mathematics Letters, 2012, 25, 824-829.   | 1.5 | 19        |
| 47 | Towards nonlinear stability of sources via a modified Burgers equation. Physica D: Nonlinear<br>Phenomena, 2012, 241, 382-392.  | 1.3 | 5         |
| 48 | High-Frequency Asymptotics and One-Dimensional Stability of Zel'dovich–von Neumann–Döring<br>Detonations in the Small-Heat Release and High-Overdrive Limits. Archive for Rational Mechanics and<br>Analysis, 2012, 203, 701-717. | 1.1 | 11        |
| 49 | Existence of quasilinear relaxation shock profiles in systems with characteristic velocities. Annales<br>De La Faculté Des Sciences De Toulouse, 2012, 21, 1-23.  | 0.3 | 1         |
| 50 | Nonlinear Stability of Viscous Roll Waves. SIAM Journal on Mathematical Analysis, 2011, 43, 577-611.  | 0.9 | 26        |
| 51 | Nonlinear Stability of Periodic Traveling-Wave Solutions of Viscous Conservation Laws in Dimensions<br>One and Two. SIAM Journal on Applied Dynamical Systems, 2011, 10, 189-211.   | 0.7 | 15        |
| 52 | Instantaneous shock location and one-dimensional nonlinear stability of viscous shock waves.<br>Quarterly of Applied Mathematics, 2011, 69, 177-202.  | 0.5 | 15        |
| 53 | Existence and stability of steady states of a reaction convection diffusion equation modeling microtubule formation. Journal of Mathematical Biology, 2011, 63, 459-492.  | 0.8 | 16        |
| 54 | Stability of Detonation Profiles in the ZND Limit. Archive for Rational Mechanics and Analysis, 2011, 200, 141-182.   | 1.1 | 22        |

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|------------|---|-----|-----------|
| 55         | Existence and Stability of Viscoelastic Shock Profiles. Archive for Rational Mechanics and Analysis, 2011, 200, 491-532.  | 1.1 | 14        |
| 56         | Transition to Longitudinal Instability of Detonation Waves is Generically Associated with Hopf<br>Bifurcation to Time-Periodic Galloping Solutions. Communications in Mathematical Physics, 2011, 302,<br>1-51. | 1.0 | 16        |
| 5 <b>7</b> | Nash–Moser iteration and singular perturbations. Annales De L'Institut Henri Poincare (C) Analyse<br>Non Lineaire, 2011, 28, 499-527.   | 0.7 | 9         |
| 58         | Nonlinear stability of spatially-periodic traveling-wave solutions of systems of reaction–diffusion equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2011, 28, 471-483.                | 0.7 | 29        |
| 59         | Metastability of solitary roll wave solutions of the St. Venant equations with viscosity. Physica D:<br>Nonlinear Phenomena, 2011, 240, 1289-1310.  | 1.3 | 16        |
| 60         | Stability and Dynamics of Viscous Shock Waves. The IMA Volumes in Mathematics and Its Applications, 2011, , 123-167.  | 0.5 | 10        |
| 61         | The Resistive State in a Superconducting Wire: Bifurcation from the Normal State. Archive for Rational Mechanics and Analysis, 2010, 195, 117-158.  | 1.1 | 25        |
| 62         | Stability and Asymptotic Behavior of Periodic Traveling Wave Solutions of Viscous Conservation Laws in Several Dimensions. Archive for Rational Mechanics and Analysis, 2010, 196, 1-20.                        | 1.1 | 16        |
| 63         | Nonlinear Stability of Time-Periodic Viscous Shocks. Archive for Rational Mechanics and Analysis, 2010, 196, 1011-1076.   | 1.1 | 23        |
| 64         | Existence and Stability of Noncharacteristic Boundary Layers for the Compressible Navier–Stokes and Viscous MHD Equations. Archive for Rational Mechanics and Analysis, 2010, 197, 1-87.                        | 1.1 | 27        |
| 65         | Conditional Stability of Unstable Viscous Shock Waves in Compressible Gas Dynamics and MHD.<br>Archive for Rational Mechanics and Analysis, 2010, 198, 1031-1056.   | 1.1 | 4         |
| 66         | Stability of Isentropic Navier–Stokes Shocks in the High-Mach Number Limit. Communications in<br>Mathematical Physics, 2010, 293, 1-36.   | 1.0 | 35        |
| 67         | Long-Time Stability of Multi-Dimensional Noncharacteristic Viscous Boundary Layers.<br>Communications in Mathematical Physics, 2010, 299, 1-44.   | 1.0 | 3         |
| 68         | Stability of radiative shock profiles for hyperbolic–elliptic coupled systems. Physica D: Nonlinear<br>Phenomena, 2010, 239, 428-453.   | 1.3 | 24        |
| 69         | The refined inviscid stability condition and cellular instability of viscous shock waves. Physica D:<br>Nonlinear Phenomena, 2010, 239, 1180-1187.  | 1.3 | 6         |
| 70         | Nonlinear stability of periodic traveling wave solutions of systems of viscous conservation laws in the generic case. Journal of Differential Equations, 2010, 249, 1213-1240.                                  | 1.1 | 33        |
| 71         | One-dimensional stability of parallel shock layers in isentropic magnetohydrodynamics. Journal of<br>Differential Equations, 2010, 249, 2175-2213.  | 1.1 | 17        |
| 72         | On the modulation equations and stability of periodic generalized Korteweg–de Vries waves via Bloch<br>decompositions. Physica D: Nonlinear Phenomena, 2010, 239, 2057-2065.                                    | 1.3 | 21        |

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|----|---|-----|-----------|
| 73 | Existence and stability of viscous shock profiles for 2-D isentropic MHD with infinite electrical resistivity. Acta Mathematica Scientia, 2010, 30, 447-498.                    | 0.5 | 12        |
| 74 | A local greedy algorithm and higher-order extensions for global numerical continuation of analytically varying subspaces. Quarterly of Applied Mathematics, 2010, 68, 557-561.  | 0.5 | 14        |
| 75 | Stability of noncharacteristic boundary layers in the standing-shock limit. Transactions of the American Mathematical Society, 2010, 362, 6397-6397.                            | 0.5 | 5         |
| 76 | Stability of Scalar Radiative Shock Profiles. SIAM Journal on Mathematical Analysis, 2010, 41, 2165-2206.   | 0.9 | 12        |
| 77 | Transverse Instability of Periodic Traveling Waves in the Generalized Kadomtsev–Petviashvili<br>Equation. SIAM Journal on Mathematical Analysis, 2010, 42, 2681-2702.           | 0.9 | 25        |
| 78 | Nonlinear Stability of Semidiscrete Shocks for Two-Sided Schemes. SIAM Journal on Mathematical<br>Analysis, 2010, 42, 857-903.  | 0.9 | 13        |
| 79 | ASYMPTOTIC BEHAVIOR OF MULTIDIMENSIONAL SCALAR RELAXATION SHOCKS. Journal of Hyperbolic Differential Equations, 2009, 06, 663-708.  | 0.3 | 6         |
| 80 | Spectral Stability of Weak Relaxation Shock Profiles. Communications in Partial Differential Equations, 2009, 34, 119-136.  | 1.0 | 11        |
| 81 | Spectral Stability of Noncharacteristic Isentropic Navier–Stokes Boundary Layers. Archive for<br>Rational Mechanics and Analysis, 2009, 192, 537-587.                           | 1.1 | 14        |
| 82 | Spectral Stability of Ideal-Gas Shock Layers. Archive for Rational Mechanics and Analysis, 2009, 194, 1029-1079.  | 1.1 | 38        |
| 83 | Stability of undercompressive viscous shock profiles of hyperbolic–parabolic systems. Journal of Differential Equations, 2009, 246, 1539-1567.                                  | 1.1 | 19        |
| 84 | Conditional stability of unstable viscous shocks. Journal of Differential Equations, 2009, 247, 648-671.  | 1.1 | 10        |
| 85 | Existence of semilinear relaxation shocks. Journal Des Mathematiques Pures Et Appliquees, 2009, 92, 209-231.  | 0.8 | 7         |
| 86 | Long-time stability of large-amplitude noncharacteristic boundary layers for hyperbolic–parabolic<br>systems. Journal Des Mathematiques Pures Et Appliquees, 2009, 92, 547-598. | 0.8 | 13        |
| 87 | Pointwise Green Function Bounds and Long-Time Stability of Large-Amplitude Noncharacteristic<br>Boundary Layers. SIAM Journal on Mathematical Analysis, 2009, 40, 2328-2350.    | 0.9 | 7         |
| 88 | Hopf Bifurcation of Viscous Shock Waves in Compressible Gas Dynamics and MHD. Archive for Rational Mechanics and Analysis, 2008, 190, 107-140.                                  | 1.1 | 27        |
| 89 | Stability of Viscous Shocks in Isentropic Gas Dynamics. Communications in Mathematical Physics, 2008, 281, 231-249.   | 1.0 | 33        |
| 90 | Galloping instability of viscous shock waves. Physica D: Nonlinear Phenomena, 2008, 237, 1553-1601.   | 1.3 | 28        |

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|-----|--|-----|-----------|
| 91  | Derivatives of (modified) Fredholm determinants and stability of standing and traveling waves.<br>Journal Des Mathematiques Pures Et Appliquees, 2008, 90, 160-200.                    | 0.8 | 26        |
| 92  | Viscous boundary value problems for symmetric systems with variable multiplicities. Journal of Differential Equations, 2008, 244, 309-387.   | 1.1 | 14        |
| 93  | Stability of isentropic Navier–Stokes shocks. Applied Mathematics Letters, 2008, 21, 742-747.  | 1.5 | 8         |
| 94  | Transition to Instability of Planar Viscous Shock Fronts: the Refined Stability Condition. Zeitschrift<br>Fur Analysis Und Ihre Anwendung, 2008, 27, 381-406.                          | 0.8 | 3         |
| 95  | A Sharp Stability Criterion for Soliton-Type Propagating Phase Boundaries in Korteweg's Model.<br>Zeitschrift Fur Analysis Und Ihre Anwendung, 2008, 27, 11-30.                        | 0.8 | 8         |
| 96  | Nonclassical multidimensional viscous and inviscid shocks. Duke Mathematical Journal, 2008, 142, .   | 0.8 | 4         |
| 97  | Uniform Stability Estimates for Constant-Coefficient Symmetric Hyperbolic Boundary Value Problems.<br>Communications in Partial Differential Equations, 2007, 32, 579-590.             | 1.0 | 5         |
| 98  | SPECTRAL STABILITY CONDITIONS FOR SHOCK WAVE PATTERNS. Journal of Hyperbolic Differential Equations, 2007, 04, 181-196.  | 0.3 | 0         |
| 99  | Pointwise Green function bounds and stability of combustion waves. Journal of Differential Equations, 2007, 233, 654-698.  | 1.1 | 22        |
| 100 | Planar Stability Criteria for Viscous Shock Waves of Systems with Real Viscosity. , 2007, , 229-326.   |     | 14        |
| 101 | Low-Frequency Stability Analysis of Periodic Traveling-Wave Solutions of Viscous Conservation Laws in Several Dimensions. Zeitschrift Fur Analysis Und Ihre Anwendung, 2006, 25, 1-21. | 0.8 | 12        |
| 102 | SHARP POINTWISE BOUNDS FOR PERTURBED VISCOUS SHOCK WAVES. Journal of Hyperbolic Differential Equations, 2006, 03, 297-373.   | 0.3 | 16        |
| 103 | Navier–Stokes regularization of multidimensional Euler shocks. Annales Scientifiques De L'Ecole<br>Normale Superieure, 2006, 39, 75-175.   | 0.2 | 44        |
| 104 | An efficient shooting algorithm for Evans function calculations in large systems. Physica D:<br>Nonlinear Phenomena, 2006, 220, 116-126.   | 1.3 | 71        |
| 105 | Stability of undercompressive shock profiles. Journal of Differential Equations, 2006, 225, 308-360.   | 1.1 | 40        |
| 106 | Efficient Computation of Analytic Bases in Evans Function Analysis of Large Systems. Numerische<br>Mathematik, 2006, 103, 631-642.   | 0.9 | 39        |
| 107 | STABILITY OF DETONATION WAVES. , 2005, , .   |     | 1         |
| 108 | Stability of Large-Amplitude Shock Waves of Compressible Navier–Stokes Equations. Handbook of<br>Mathematical Fluid Dynamics, 2005, 3, 311-533.  | 0.1 | 44        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Hyperbolic boundary value problems for symmetric systems with variable multiplicities. Journal of<br>Differential Equations, 2005, 211, 61-134.             | 1.1 | 74        |
| 110 | Existence and Stability of Multidimensional Shock Fronts in the Vanishing Viscosity Limit. Archive for Rational Mechanics and Analysis, 2005, 175, 151-244. | 1.1 | 69        |
| 111 | Stability of Large-Amplitude Shock Profiles of General Relaxation Systems. SIAM Journal on<br>Mathematical Analysis, 2005, 37, 889-913.                     | 0.9 | 35        |
| 112 | Large viscous boundary layers for noncharacteristic nonlinear hyperbolic problems. Memoirs of the<br>American Mathematical Society, 2005, 175, 0-0.         | 0.5 | 52        |
| 113 | Relative Poincaré-Hopf bifurcation and Galloping Instability of Traveling Waves. Methods and Applications of Analysis, 2005, 12, 349-380.                   | 0.1 | 24        |
| 114 | Stability of Large-Amplitude Viscous Shock Profiles of Hyperbolic-Parabolic Systems. Archive for Rational Mechanics and Analysis, 2004, 172, 93-131.        | 1.1 | 79        |
| 115 | One-Dimensional Stability of Viscous Strong Detonation Waves. Archive for Rational Mechanics and Analysis, 2004, 173, 213-277.                              | 1.1 | 32        |
| 116 | Multidimensional viscous shocks II: The small viscosity limit. Communications on Pure and Applied Mathematics, 2004, 57, 141-218.                           | 1.2 | 29        |
| 117 | A stability index for detonation waves in Majda's model for reacting flow. Physica D: Nonlinear<br>Phenomena, 2004, 194, 1-29.                              | 1.3 | 36        |
| 118 | Multidimensional viscous shocks I: Degenerate symmetrizers and long time stability. Journal of the<br>American Mathematical Society, 2004, 18, 61-120.      | 1.9 | 49        |
| 119 | Pointwise Green Function Bounds for Shock Profiles of Systems with Real Viscosity. Archive for Rational Mechanics and Analysis, 2003, 169, 177-263.         | 1.1 | 88        |
| 120 | Pointwise Green's function bounds and stability of relaxation shocks. Indiana University Mathematics<br>Journal, 2002, 51, 773-904.                         | 0.4 | 68        |
| 121 | Pointwise Green's Function Bounds for Multidimensional Scalar Viscous Shock Fronts. Journal of Differential Equations, 2002, 183, 368-408.                  | 1.1 | 24        |
| 122 | Errata to: 'Pointwise semigroup methods and stability of viscous shock waves'. Indiana University<br>Mathematics Journal, 2002, 51, 1017-1022.              | 0.4 | 21        |
| 123 | Analytically varying eigenvectors and the stability of viscous shock waves. Matematica<br>Contemporanea, 2002, 22, .  | 0.0 | 18        |
| 124 | Multidimensional Stability of Planar Viscous Shock Waves. , 2001, , 307-516.  |     | 72        |
| 125 | Alternate Evans Functions and Viscous Shock Waves. SIAM Journal on Mathematical Analysis, 2001, 32, 929-962.  | 0.9 | 55        |
| 126 | Boundary Layer Stability¶in Real Vanishing Viscosity Limit. Communications in Mathematical Physics,<br>2001, 221, 267-292.                                  | 1.0 | 61        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Stability of compressive and undercompressive thin film travelling waves. European Journal of Applied Mathematics, 2001, 12, 253-291.   | 1.4 | 53        |
| 128 | Asymptotic behavior of multidimensional scalar viscous shock fronts. Indiana University Mathematics<br>Journal, 2000, 49, 427-474.  | 0.4 | 48        |
| 129 | Pointwise Estimates and Stability for Dispersive-Diffusive Shock Waves. Archive for Rational<br>Mechanics and Analysis, 2000, 155, 85-169.                                      | 1.1 | 32        |
| 130 | Dynamical Stability of Phase Transitions in thep-System with Viscosity-Capillarity. SIAM Journal on Applied Mathematics, 2000, 60, 1913-1924.                                   | 0.8 | 36        |
| 131 | Existence of Relaxation Shock Profiles for Hyperbolic Conservation Laws. SIAM Journal on Applied Mathematics, 2000, 60, 1565-1575.  | 0.8 | 50        |
| 132 | Refined wave-tracking and nonlinear stability of viscous lax shocks. Methods and Applications of Analysis, 2000, 7, 747-768.  | 0.1 | 32        |
| 133 | The gap lemma and geometric criteria for instability of viscous shock profiles. Communications on<br>Pure and Applied Mathematics, 1998, 51, 797-855.                           | 1.2 | 242       |
| 134 | Connectivity of Phase Boundaries in Strictly Convex Domains. Archive for Rational Mechanics and Analysis, 1998, 141, 375-400.   | 1.1 | 100       |
| 135 | Pointwise semigroup methods and stability of viscous shock waves. Indiana University Mathematics<br>Journal, 1998, 47, 741-872.   | 0.4 | 224       |
| 136 | Nonuniqueness of solutions of Riemann problems. Zeitschrift Fur Angewandte Mathematik Und<br>Physik, 1996, 47, 977-998.   | 0.7 | 45        |
| 137 | Multi-dimensional diffusion waves for the Navier-Stokes equations of compressible flow. Indiana<br>University Mathematics Journal, 1995, 44, 603-676.                           | 0.4 | 252       |
| 138 | Nonlinear stability of an undercompressive shock for complex Burgers equation. Communications in<br>Mathematical Physics, 1995, 168, 163-186.                                   | 1.0 | 53        |
| 139 | On nonlinear stability of general undercompressive viscous shock waves. Communications in<br>Mathematical Physics, 1995, 174, 319-345.  | 1.0 | 54        |
| 140 | Scattering behavior of transitional shock waves. Matematica Contemporanea, 1992, 3, .   | 0.0 | 6         |
| 141 | Whitham averaged equations and modulational stability of periodic traveling waves of a hyperbolic-parabolic balance law. Journées Équations Aux Dérivées Partielles, 0, , 1-24. | 0.2 | 9         |