

Enrique Zuazua

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|----------------|-----------------|
| 293 papers | 6,790 citations | 44 h-index | 69 g-index |
| 310 ext. papers | 7,755 ext. citations | 1.7 avg, IF | 6.49 L-index |

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 293 | Linear projection-based CEST parameter estimation.. <i>NMR in Biomedicine</i> , 2022 , e4697 | 4.4 | 1 |
| 292 | The Vlasov-Bokker-Planck equation with high dimensional parametric forcing term. <i>Numerische Mathematik</i> , 2022 , 150, 479-519 | 2.2 | 0 |
| 291 | Control and numerical approximation of fractional diffusion equations. <i>Handbook of Numerical Analysis</i> , 2022 , 1-58 | 1 | 0 |
| 290 | Turnpike in Lipschitz-nonlinear optimal control. <i>Nonlinearity</i> , 2022 , 35, 1652-1701 | 1.7 | 2 |
| 289 | Interpolation and approximation via Momentum ResNets and Neural ODEs. <i>Systems and Control Letters</i> , 2022 , 162, 105182 | 2.4 | 0 |
| 288 | Flow decomposition for heat equations with memory. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2021 , 158, 183-183 | 1.7 | 1 |
| 287 | Classical System Theory Revisited for Turnpike in Standard State Space Systems and Impulse Controllable Descriptor Systems. <i>SIAM Journal on Control and Optimization</i> , 2021 , 59, 3600-3624 | 1.9 | 1 |
| 286 | The turnpike property in nonlinear optimal control: A geometric approach. <i>Automatica</i> , 2021 , 134, 109939 | 3.7 | 1 |
| 285 | Averaged dynamics and control for heat equations with random diffusion. <i>Systems and Control Letters</i> , 2021 , 158, 105055 | 2.4 | 1 |
| 284 | Model predictive control with random batch methods for a guiding problem. <i>Mathematical Models and Methods in Applied Sciences</i> , 2021 , 31, 1569-1592 | 3.5 | 5 |
| 283 | Nonnegative control of finite-dimensional linear systems. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2021 , 38, 301-346 | 1.6 | 4 |
| 282 | The Finite-Time Turnpike Phenomenon for Optimal Control Problems: Stabilization by Non-smooth Tracking Terms. <i>SEMA SIMAI Springer Series</i> , 2021 , 17-41 | 0.2 | 0 |
| 281 | Controllability of One-Dimensional Viscous Free Boundary Flows. <i>SIAM Journal on Control and Optimization</i> , 2021 , 59, 1830-1850 | 1.9 | 3 |
| 280 | Initial data identification for the one-dimensional Burgers equation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1 | 5.9 | 1 |
| 279 | Full probabilistic solution of a finite dimensional linear control system with random initial and final conditions. <i>Journal of the Franklin Institute</i> , 2020 , 357, 8156-8180 | 4 | 3 |
| 278 | Asymptotic behavior and control of a guidance by repulsion-model. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020 , 30, 765-804 | 3.5 | 7 |
| 277 | Shape turnpike for linear parabolic PDE models. <i>Systems and Control Letters</i> , 2020 , 142, 104733 | 2.4 | 6 |

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| 276 | A Stochastic Approach to the Synchronization of Coupled Oscillators. <i>Frontiers in Energy Research</i> , 2020 , 8, | 3.8 | 7 |
| 275 | Propagation of One- and Two-Dimensional Discrete Waves Under Finite Difference Approximation. <i>Foundations of Computational Mathematics</i> , 2020 , 20, 1401-1438 | 2.7 | 2 |
| 274 | Controllability of the one-dimensional fractional heat equation under positivity constraints. <i>Communications on Pure and Applied Analysis</i> , 2020 , 19, 1949-1978 | 1.9 | 9 |
| 273 | Controllability of shadow reaction-diffusion systems. <i>Journal of Differential Equations</i> , 2020 , 268, 3781-3818 | 3.1 | 4 |
| 272 | Control under constraints for multi-dimensional reaction-diffusion monostable and bistable equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2020 , 143, 345-375 | 1.7 | 5 |
| 271 | Sparse source identification of linear diffusion–advection equations by adjoint methods. <i>Systems and Control Letters</i> , 2020 , 145, 104801 | 2.4 | 0 |
| 270 | The Inverse Problem for Hamilton–Jacobi Equations and Semiconcave Envelopes. <i>SIAM Journal on Mathematical Analysis</i> , 2020 , 52, 5627-5657 | 1.7 | 3 |
| 269 | Adjoint computational methods for 2D inverse design of linear transport equations on unstructured grids. <i>Computational and Applied Mathematics</i> , 2019 , 38, 1 | 2.4 | |
| 268 | A Two-Dimensional Blea on the Elephant–Phenomenon and its Numerical Visualization. <i>Multiscale Modeling and Simulation</i> , 2019 , 17, 137-166 | 1.8 | 4 |
| 267 | Phase portrait control for 1D monostable and bistable reaction–diffusion equations. <i>Nonlinearity</i> , 2019 , 32, 884-909 | 1.7 | 8 |
| 266 | Spectral shape optimization for the Neumann traces of the Dirichlet-Laplacian eigenfunctions. <i>Calculus of Variations and Partial Differential Equations</i> , 2019 , 58, 1 | 1.5 | 3 |
| 265 | Internal Observability for Coupled Systems of Linear Partial Differential Equations. <i>SIAM Journal on Control and Optimization</i> , 2019 , 57, 832-853 | 1.9 | 8 |
| 264 | Dynamics and control for multi-agent networked systems: A finite-difference approach. <i>Mathematical Models and Methods in Applied Sciences</i> , 2019 , 29, 755-790 | 3.5 | 10 |
| 263 | Controllability Under Positivity Constraints of Multi-d Wave Equations. <i>Springer INdAM Series</i> , 2019 , 195-232 | 2.1 | 4 |
| 262 | A Parabolic Approach to the Control of Opinion Spreading. <i>Mathematics of Planet Earth</i> , 2019 , 343-363 | 0.4 | 1 |
| 261 | The turnpike property in nonlinear optimal control – A geometric approach 2019 , | | 5 |
| 260 | Turnpike in optimal shape design. <i>IFAC-PapersOnLine</i> , 2019 , 52, 496-501 | 0.7 | 4 |
| 259 | Controllability and positivity constraints in population dynamics with age structuring and diffusion. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2019 , 129, 153-179 | 1.7 | 12 |

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| 258 | Greedy optimal control for elliptic problems and its application to turnpike problems. <i>Numerische Mathematik</i> , 2019 , 141, 455-493 | 2.2 | 10 |
| 257 | Internal Controllability for Parabolic Systems Involving Analytic Non-local Terms. <i>Chinese Annals of Mathematics Series B</i> , 2018 , 39, 281-296 | 0.4 | 9 |
| 256 | Steady-State and Periodic Exponential Turnpike Property for Optimal Control Problems in Hilbert Spaces. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 1222-1252 | 1.9 | 28 |
| 255 | Minimal controllability time for finite-dimensional control systems under state constraints. <i>Automatica</i> , 2018 , 96, 380-392 | 5.7 | 9 |
| 254 | Allee optimal control of a system in ecology. <i>Mathematical Models and Methods in Applied Sciences</i> , 2018 , 28, 1665-1697 | 3.5 | 12 |
| 253 | Controllability under positivity constraints of semilinear heat equations. <i>Mathematical Control and Related Fields</i> , 2018 , 8, 935-964 | 1.5 | 11 |
| 252 | Local Regularity for Fractional Heat Equations. <i>SEMA SIMAI Springer Series</i> , 2018 , 233-249 | 0.2 | 5 |
| 251 | Averaged controllability of parameter dependent conservative semigroups. <i>Journal of Differential Equations</i> , 2017 , 262, 1540-1574 | 2.1 | 17 |
| 250 | Large time control and turnpike properties for wave equations. <i>Annual Reviews in Control</i> , 2017 , 44, 199-219 | 1.9 | 14 |
| 249 | Null controllability for wave equations with memory. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2017 , 108, 500-531 | 1.7 | 24 |
| 248 | Local Elliptic Regularity for the Dirichlet Fractional Laplacian. <i>Advanced Nonlinear Studies</i> , 2017 , 17, 387-409 | 1.2 | 44 |
| 247 | Actuator Design for Parabolic Distributed Parameter Systems with the Moment Method. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 1128-1152 | 1.9 | 14 |
| 246 | Addendum: Local Elliptic Regularity for the Dirichlet Fractional Laplacian. <i>Advanced Nonlinear Studies</i> , 2017 , 17, 837-839 | 1.2 | 13 |
| 245 | Minimal controllability time for the heat equation under unilateral state or control constraints. <i>Mathematical Models and Methods in Applied Sciences</i> , 2017 , 27, 1587-1644 | 3.5 | 19 |
| 244 | Controllability of Evolution Equations with Memory. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 2437-2459 | 1.9 | 27 |
| 243 | Decay rates for elastic-thermoelastic star-shaped networks. <i>Networks and Heterogeneous Media</i> , 2017 , 12, 461-488 | 1.6 | 8 |
| 242 | Filtered Gradient Algorithms for Inverse Design Problems of One-Dimensional Burgers Equation. <i>Springer INdAM Series</i> , 2017 , 197-227 | 0.4 | 6 |
| 241 | Numerical meshes ensuring uniform observability of one-dimensional waves: construction and analysis. <i>IMA Journal of Numerical Analysis</i> , 2016 , 36, 503-542 | 1.8 | 15 |

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|-----|--|-----|----|
| 240 | Dispersion for 1-D Schrödinger and wave equations with BV coefficients. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2016 , 33, 1473-1495 | 1.6 | |
| 239 | Greedy controllability of finite dimensional linear systems. <i>Automatica</i> , 2016 , 74, 327-340 | 5.7 | 14 |
| 238 | Numerical hypocoercivity for the Kolmogorov equation. <i>Mathematics of Computation</i> , 2016 , 86, 97-119 | 1.6 | 8 |
| 237 | Numerical aspects of large-time optimal control of Burgers equation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2016 , 50, 1371-1401 | 1.8 | 11 |
| 236 | Exact penalization of terminal constraints for optimal control problems. <i>Optimal Control Applications and Methods</i> , 2016 , 37, 1329-1354 | 1.7 | 8 |
| 235 | Averaged controllability for random evolution Partial Differential Equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2016 , 105, 367-414 | 1.7 | 26 |
| 234 | On the lack of controllability of fractional in time ODE and PDE. <i>Mathematics of Control, Signals, and Systems</i> , 2016 , 28, 1 | 1.3 | 16 |
| 233 | Optimal Neumann control for the 1D wave equation: Finite horizon, infinite horizon, boundary tracking terms and the turnpike property. <i>Systems and Control Letters</i> , 2016 , 90, 61-70 | 2.4 | 31 |
| 232 | Decay rates for 1-d heat-wave planar networks. <i>Networks and Heterogeneous Media</i> , 2016 , 11, 655-692 | 1.6 | 6 |
| 231 | From averaged to simultaneous controllability. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2016 , 25, 785-828 | 0.3 | 12 |
| 230 | Remarks on Long Time Versus Steady State Optimal Control. <i>Springer INdAM Series</i> , 2016 , 67-89 | 0.4 | 15 |
| 229 | Numerical aspects of sonic-boom minimization. <i>Contemporary Mathematics</i> , 2016 , 267-279 | 1.6 | 4 |
| 228 | Optimal observability of the multi-dimensional wave and Schrödinger equations in quantum ergodic domains. <i>Journal of the European Mathematical Society</i> , 2016 , 18, 1043-1111 | 1.8 | 19 |
| 227 | Lipschitz dependence of the coefficients on the resolvent and greedy approximation for scalar elliptic problems. <i>Comptes Rendus Mathematique</i> , 2016 , 354, 1174-1187 | 0.4 | 1 |
| 226 | Null controllability for a heat equation with a singular inverse-square potential involving the distance to the boundary function. <i>Journal of Differential Equations</i> , 2016 , 261, 2809-2853 | 2.1 | 11 |
| 225 | Stable observation of additive superpositions of Partial Differential Equations. <i>Systems and Control Letters</i> , 2016 , 93, 21-29 | 2.4 | 9 |
| 224 | Optimal strategies for driving a mobile agent in a "Guidance by repulsion" model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 39, 58-72 | 3.7 | 7 |
| 223 | Norm saturating property of time optimal controls for wave-type equations. <i>IFAC-PapersOnLine</i> , 2016 , 49, 37-42 | 0.7 | 2 |

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|-----|---|-----|-----|
| 222 | Null Controllability of Linear Heat and Wave Equations with Nonlocal Spatial Terms. <i>SIAM Journal on Control and Optimization</i> , 2016 , 54, 2009-2019 | 1.9 | 22 |
| 221 | Randomised observation, control and stabilization of waves. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2016 , 96, 538-549 | 1 | 3 |
| 220 | Optimal Shape and Location of Sensors for Parabolic Equations with Random Initial Data. <i>Archive for Rational Mechanics and Analysis</i> , 2015 , 216, 921-981 | 2.3 | 38 |
| 219 | Transmutation techniques and observability for time-discrete approximation schemes of conservative systems. <i>Numerische Mathematik</i> , 2015 , 130, 425-466 | 2.2 | 2 |
| 218 | Weak observability estimates for 1-D wave equations with rough coefficients. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2015 , 32, 245-277 | 1.6 | 8 |
| 217 | The turnpike property in finite-dimensional nonlinear optimal control. <i>Journal of Differential Equations</i> , 2015 , 258, 81-114 | 2.1 | 102 |
| 216 | Control of 2D scalar conservation laws in the presence of shocks. <i>Mathematics of Computation</i> , 2015 , 85, 1183-1224 | 1.6 | 5 |
| 215 | Complexity and regularity of maximal energy domains for the wave equation with fixed initial data. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 35, 6133-6153 | 2 | 11 |
| 214 | Generation of 2D water waves by moving bottom disturbances. <i>IMA Journal of Applied Mathematics</i> , 2015 , 80, 1235-1253 | 1 | 9 |
| 213 | Propagation of 1D Waves in Regular Discrete Heterogeneous Media: A Wigner Measure Approach. <i>Foundations of Computational Mathematics</i> , 2015 , 15, 1571-1636 | 2.7 | 8 |
| 212 | Sparse initial data identification for parabolic PDE and its finite element approximations. <i>Mathematical Control and Related Fields</i> , 2015 , 5, 377-399 | 1.5 | 18 |
| 211 | Averaged control and observation of parameter-depending wave equations. <i>Comptes Rendus Mathematique</i> , 2014 , 352, 497-502 | 0.4 | 28 |
| 210 | Numerical approximation schemes for multi-dimensional wave equations in asymmetric spaces. <i>Mathematics of Computation</i> , 2014 , 84, 119-152 | 1.6 | 3 |
| 209 | Robust null controllability for heat equations with unknown switching control mode. <i>Discrete and Continuous Dynamical Systems</i> , 2014 , 34, 4183-4210 | 2 | 10 |
| 208 | GEOMETRIC NUMERICAL METHODS AND RESULTS IN THE CONTRAST IMAGING PROBLEM IN NUCLEAR MAGNETIC RESONANCE. <i>Mathematical Models and Methods in Applied Sciences</i> , 2014 , 24, 187-212 | 3.5 | 12 |
| 207 | Null controllability of a system of viscoelasticity with a moving control. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2014 , 101, 198-222 | 1.7 | 36 |
| 206 | Recovery of an initial temperature from discrete sampling. <i>Mathematical Models and Methods in Applied Sciences</i> , 2014 , 24, 2487-2501 | 3.5 | 4 |
| 205 | Large-time asymptotics, vanishing viscosity and numerics for 1-D scalar conservation laws. <i>Mathematics of Computation</i> , 2014 , 84, 1633-1662 | 1.6 | 8 |

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|-----|--|-----|----|
| 204 | Averaged control. <i>Automatica</i> , 2014 , 50, 3077-3087 | 5.7 | 43 |
| 203 | Tracking Control of 1D Scalar Conservation Laws in the Presence of Shocks. <i>Springer INdAM Series</i> , 2014 , 195-219 | 0.4 | 3 |
| 202 | Boundary Stabilization of Numerical Approximations of the 1-D Variable Coefficients Wave Equation: A Numerical Viscosity Approach. <i>Lecture Notes in Computational Science and Engineering</i> , 2014 , 285-324 | 0.3 | 2 |
| 201 | Discontinuous Galerkin Approximations and Main Results. <i>SpringerBriefs in Mathematics</i> , 2014 , 15-25 | 0.6 | |
| 200 | Comments and Open Problems. <i>SpringerBriefs in Mathematics</i> , 2014 , 93-95 | 0.6 | |
| 199 | Extensions to Other Numerical Approximation Schemes. <i>SpringerBriefs in Mathematics</i> , 2014 , 83-91 | 0.6 | |
| 198 | Filtering Mechanisms. <i>SpringerBriefs in Mathematics</i> , 2014 , 51-81 | 0.6 | |
| 197 | Fourier Analysis of the Discontinuous Galerkin Methods. <i>SpringerBriefs in Mathematics</i> , 2014 , 31-39 | 0.6 | |
| 196 | On the Lack of Uniform Observability for Discontinuous Galerkin Approximations of Waves. <i>SpringerBriefs in Mathematics</i> , 2014 , 41-50 | 0.6 | |
| 195 | Optimal Observation of the One-dimensional Wave Equation. <i>Journal of Fourier Analysis and Applications</i> , 2013 , 19, 514-544 | 1.1 | 30 |
| 194 | Sensitivity analysis of 1D steady forced scalar conservation laws. <i>Journal of Differential Equations</i> , 2013 , 254, 3817-3834 | 2.1 | 5 |
| 193 | Optimal location of controllers for the one-dimensional wave equation. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2013 , 30, 1097-1126 | 1.6 | 32 |
| 192 | Long Time versus Steady State Optimal Control. <i>SIAM Journal on Control and Optimization</i> , 2013 , 51, 4242-4273 | 1.9 | 69 |
| 191 | On the Quadratic Finite Element Approximation of 1D Waves: Propagation, Observation, Control, and Numerical Implementation 2013 , 75-99 | | 6 |
| 190 | Spike controls for elliptic and parabolic PDEs. <i>Systems and Control Letters</i> , 2013 , 62, 311-318 | 2.4 | 25 |
| 189 | Modelling and Optimisation of Flows on Networks. <i>Lecture Notes in Mathematics</i> , 2013 , | 0.4 | 19 |
| 188 | Control and Stabilization of Waves on 1-d Networks. <i>Lecture Notes in Mathematics</i> , 2013 , 463-493 | 0.4 | 18 |
| 187 | Asymptotic expansions for anisotropic heat kernels. <i>Journal of Evolution Equations</i> , 2013 , 13, 1-20 | 1.2 | 2 |

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| 186 | Improved Multipolar Hardy Inequalities 2013 , 35-52 | | 8 |
| 185 | Further Comments and Open Problems. <i>SpringerBriefs in Mathematics</i> , 2013 , 115-118 | 0.6 | |
| 184 | Numerical Approximation of Exact Controls for Waves. <i>SpringerBriefs in Mathematics</i> , 2013 , | 0.6 | 25 |
| 183 | Numerical Approximation of Exact Controls for Waves. <i>SpringerBriefs in Mathematics</i> , 2013 , 1-48 | 0.6 | 1 |
| 182 | Approximating travelling waves by equilibria of non-local equations. <i>Asymptotic Analysis</i> , 2012 , 78, 145-186 | 0.6 | 5 |
| 181 | On the Equivalence of Minimal Time and Minimal Norm Controls for Internally Controlled Heat Equations. <i>SIAM Journal on Control and Optimization</i> , 2012 , 50, 2938-2958 | 1.9 | 44 |
| 180 | Null controllability of viscous Hamilton-Jacobi equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2012 , 29, 301-333 | 1.6 | 12 |
| 179 | Continuous Adjoint Approach for the Spalart-Allmaras Model in Aerodynamic Optimization. <i>AIAA Journal</i> , 2012 , 50, 631-646 | 2.1 | 72 |
| 178 | Convergence rates for dispersive approximation schemes to nonlinear Schrödinger equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2012 , 98, 479-517 | 1.7 | 6 |
| 177 | On the Quadratic Finite Element Approximation of One-Dimensional Waves: Propagation, Observation, and Control. <i>SIAM Journal on Numerical Analysis</i> , 2012 , 50, 2744-2777 | 2.4 | 9 |
| 176 | Control of Partial Differential Equations. <i>Lecture Notes in Mathematics</i> , 2012 , | 0.4 | 4 |
| 175 | The Wave Equation: Control and Numerics. <i>Lecture Notes in Mathematics</i> , 2012 , 245-339 | 0.4 | 21 |
| 174 | Robust Grid Adaptation for Efficient Uncertainty Quantification. <i>AIAA Journal</i> , 2012 , 50, 1538-1546 | 2.1 | 12 |
| 173 | On the best observation of wave and Schrödinger equations in quantum ergodic billiards. <i>Annales Aux Divisions Partielles</i> , 2012 , 1-13 | | 5 |
| 172 | A remark on the observability of conservative linear systems. <i>Contemporary Mathematics</i> , 2012 , 47-59 | 1.6 | 2 |
| 171 | When the 'Exact' Discrete Gradient is not the Best Choice in Optimal Shape Design 2011 , | | 2 |
| 170 | Continuous Adjoint Approach for the Spalart-Allmaras Model in Aerodynamic Optimization 2011 , | | 3 |
| 169 | Numerical Approximation of a One-Dimensional Elliptic Optimal Design Problem. <i>Multiscale Modeling and Simulation</i> , 2011 , 9, 1181-1216 | 1.8 | 9 |

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| 168 | Flux identification for 1- \mathbf{d} scalar conservation laws in the presence of shocks. <i>Mathematics of Computation</i> , 2011 , 80, 2025-2025 | 1.6 | 11 |
| 167 | Large Time Asymptotics for Partially Dissipative Hyperbolic Systems. <i>Archive for Rational Mechanics and Analysis</i> , 2011 , 199, 177-227 | 2.3 | 67 |
| 166 | Sharp Observability Estimates for Heat Equations. <i>Archive for Rational Mechanics and Analysis</i> , 2011 , 202, 975-1017 | 2.3 | 36 |
| 165 | High frequency wave packets for the Schrödinger equation and its numerical approximations. <i>Comptes Rendus Mathématique</i> , 2011 , 349, 105-110 | 0.4 | 8 |
| 164 | On the regularity of null-controls of the linear 1-d heat equation. <i>Comptes Rendus Mathématique</i> , 2011 , 349, 673-677 | 0.4 | 6 |
| 163 | On a nonlocal moving frame approximation of traveling waves. <i>Comptes Rendus Mathématique</i> , 2011 , 349, 753-758 | 0.4 | |
| 162 | The asymptotic behaviour of the heat equation in a twisted Dirichlet-Neumann waveguide. <i>Journal of Differential Equations</i> , 2011 , 250, 2334-2346 | 2.1 | 11 |
| 161 | Regularity issues for the null-controllability of the linear 1-d heat equation. <i>Systems and Control Letters</i> , 2011 , 60, 406-413 | 2.4 | 8 |
| 160 | Switching control. <i>Journal of the European Mathematical Society</i> , 2011 , 85-117 | 1.8 | 26 |
| 159 | Observability of heat processes by transmutation without geometric restrictions. <i>Mathematical Control and Related Fields</i> , 2011 , 1, 177-187 | 1.5 | 12 |
| 158 | Numerical approximation of null controls for the heat equation: Ill-posedness and remedies. <i>Inverse Problems</i> , 2010 , 26, 085018 | 2.3 | 39 |
| 157 | Asymptotics and stabilization for dynamic models of nonlinear beams. <i>Proceedings of the Estonian Academy of Sciences</i> , 2010 , 59, 150 | 1.6 | 1 |
| 156 | A systematic method for building smooth controls for smooth data. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2010 , 14, 1375-1401 | 1.3 | 37 |
| 155 | Exact Controllability of the Time Discrete Wave Equation: A Multiplier Approach. <i>Computational Methods in Applied Sciences (Springer)</i> , 2010 , 229-245 | 0.4 | 1 |
| 154 | Asymptotic limits and stabilization for the 1D nonlinear Mindlin-Timoshenko system. <i>Journal of Systems Science and Complexity</i> , 2010 , 23, 414-430 | 1 | 10 |
| 153 | The Hardy inequality and the heat equation in twisted tubes. <i>Journal Des Mathématiques Pures Et Appliquées</i> , 2010 , 94, 277-303 | 1.7 | 20 |
| 152 | Localized solutions for the finite difference semi-discretization of the wave equation. <i>Comptes Rendus Mathématique</i> , 2010 , 348, 647-652 | 0.4 | 10 |
| 151 | Localized solutions and filtering mechanisms for the discontinuous Galerkin semi-discretizations of the wave equation. <i>Comptes Rendus Mathématique</i> , 2010 , 348, 1087-1092 | 0.4 | 9 |

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| 150 | Optimal Control and Vanishing Viscosity for the Burgers Equation 2010 , 65-90 | | 5 |
| 149 | Hardy Inequalities, Observability, and Control for the Wave and Schrödinger Equations with Singular Potentials. <i>SIAM Journal on Mathematical Analysis</i> , 2009 , 41, 1508-1532 | 1.7 | 24 |
| 148 | Convergence of a two-grid algorithm for the control of the wave equation. <i>Journal of the European Mathematical Society</i> , 2009 , 351-391 | 1.8 | 22 |
| 147 | 2-D Euler Shape Design on Nonregular Flows Using Adjoint Rankine-Hugoniot Relations. <i>AIAA Journal</i> , 2009 , 47, 552-562 | 2.1 | 19 |
| 146 | Uniformly exponentially stable approximations for a class of damped systems. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2009 , 91, 20-48 | 1.7 | 45 |
| 145 | Some controllability results for the 2D Kolmogorov equation. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2009 , 26, 1793-1815 | 1.6 | 17 |
| 144 | Numerical Dispersive Schemes for the Nonlinear Schrödinger Equation. <i>SIAM Journal on Numerical Analysis</i> , 2009 , 47, 1366-1390 | 2.4 | 34 |
| 143 | Stabilization of the Wave Equation on 1-d Networks. <i>SIAM Journal on Control and Optimization</i> , 2009 , 48, 2771-2797 | 1.9 | 50 |
| 142 | Identification of the class of initial data for the insensitizing control of the heat equation. <i>Communications on Pure and Applied Analysis</i> , 2009 , 8, 457-471 | 1.9 | 20 |
| 141 | Uniform Exponential Decay for Viscous Damped Systems* 2009 , 95-112 | | 6 |
| 140 | 2D Euler Shape Design on Non-Regular Flows Using Adjoint Rankine-Hugoniot Relations 2008 , | | 3 |
| 139 | Time discrete wave equations: Boundary observability and control. <i>Discrete and Continuous Dynamical Systems</i> , 2008 , 23, 571-604 | 2 | 8 |
| 138 | AN ALTERNATING DESCENT METHOD FOR THE OPTIMAL CONTROL OF THE INVISCID BURGERS EQUATION IN THE PRESENCE OF SHOCKS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2008 , 18, 369-416 | 3.5 | 45 |
| 137 | Controllability of the Kirchhoff System for Beams as a Limit of the Mindlin-Timoshenko System. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 1909-1938 | 1.9 | 16 |
| 136 | On the optimality of the observability inequalities for parabolic and hyperbolic systems with potentials. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2008 , 25, 1-41 | 1.6 | 92 |
| 135 | Perfectly matched layers in 1-d : energy decay for continuous and semi-discrete waves. <i>Numerische Mathematik</i> , 2008 , 109, 597-634 | 2.2 | 15 |
| 134 | Null controllability for the heat equation with singular inverse-square potentials. <i>Journal of Functional Analysis</i> , 2008 , 254, 1864-1902 | 1.4 | 46 |
| 133 | On the observability of time-discrete conservative linear systems. <i>Journal of Functional Analysis</i> , 2008 , 254, 3037-3078 | 1.4 | 37 |

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| 132 | On the Optimality of the Observability Inequalities for Kirchhoff Plate Systems with Potentials in Unbounded Domains 2008 , 233-243 | | 7 |
| 131 | Long-Time Behavior of a Coupled Heat-Wave System Arising in Fluid-Structure Interaction. <i>Archive for Rational Mechanics and Analysis</i> , 2007 , 184, 49-120 | 2.3 | 78 |
| 130 | Addendum to "Concentration and Lack of Observability of Waves in Highly Heterogeneous Media" <i>Archive for Rational Mechanics and Analysis</i> , 2007 , 185, 365-377 | 2.3 | 2 |
| 129 | Uniform boundary stabilization of the finite difference space discretization of the 1D wave equation. <i>Advances in Computational Mathematics</i> , 2007 , 26, 337-365 | 1.6 | 45 |
| 128 | Systematic Continuous Adjoint Approach to Viscous Aerodynamic Design on Unstructured Grids. <i>AIAA Journal</i> , 2007 , 45, 2125-2139 | 2.1 | 65 |
| 127 | Controllability and Observability of Partial Differential Equations: Some Results and Open Problems. <i>Handbook of Differential Equations: Evolutionary Equations</i> , 2007 , 527-621 | | 75 |
| 126 | LACK OF COLLISION IN A SIMPLIFIED 1D MODEL FOR FLUIDSOLID INTERACTION. <i>Mathematical Models and Methods in Applied Sciences</i> , 2006 , 16, 637-678 | 3.5 | 30 |
| 125 | A Systematic Continuous Adjoint Approach to Viscous Aerodynamic Design on Unstructured Grids 2006 , | | 3 |
| 124 | On the Controllability of a Fractional Order Parabolic Equation. <i>SIAM Journal on Control and Optimization</i> , 2006 , 44, 1950-1972 | 1.9 | 37 |
| 123 | Discrete Ingham Inequalities and Applications. <i>SIAM Journal on Numerical Analysis</i> , 2006 , 44, 412-448 | 2.4 | 16 |
| 122 | Finite-element approximation of 2D elliptic optimal design. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2006 , 85, 225-249 | 1.7 | 14 |
| 121 | Long-time behavior of solutions to a nonlinear hyperbolic relaxation system. <i>Journal of Differential Equations</i> , 2006 , 228, 17-38 | 2.1 | 11 |
| 120 | Finite Element Approximation of 2D Parabolic Optimal Design Problems 2006 , 151-176 | | 1 |
| 119 | Asymptotic Behavior of a Hyperbolic-parabolic Coupled System Arising in Fluid-structure Interaction. <i>International Series of Numerical Mathematics</i> , 2006 , 445-455 | 0.4 | 13 |
| 118 | A hybrid system of PDEs arising in multi-structure interaction: coupling of wave equations in \mathbb{R}^n and \mathbb{R}^{n-1} space dimensions. <i>Contemporary Mathematics</i> , 2006 , 55-77 | 1.6 | 10 |
| 117 | Wave Propagation, Observation and Control in 1-d Flexible Multi-Structures. <i>Mathematiques Et Applications</i> , 2006 , | 0.4 | 96 |
| 116 | Finite Difference Approximation of Homogenization Problems for Elliptic Equations. <i>Multiscale Modeling and Simulation</i> , 2005 , 4, 36-87 | 1.8 | 7 |
| 115 | Propagation, Observation, and Control of Waves Approximated by Finite Difference Methods. <i>SIAM Review</i> , 2005 , 47, 197-243 | 7.4 | 221 |

| | | | |
|-----|---|-----|----|
| 114 | Polynomial decay for a hyperbolic-parabolic coupled system. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2005 , 84, 407-470 | 1.7 | 71 |
| 113 | Dispersive properties of a viscous numerical scheme for the Schrödinger equation. <i>Comptes Rendus Mathematique</i> , 2005 , 340, 529-534 | 0.4 | 19 |
| 112 | A two-grid approximation scheme for nonlinear Schrödinger equations: dispersive properties and convergence. <i>Comptes Rendus Mathematique</i> , 2005 , 341, 381-386 | 0.4 | 14 |
| 111 | Large Time Behavior for a Simplified N-Dimensional Model of Fluid-Solid Interaction. <i>Communications in Partial Differential Equations</i> , 2005 , 30, 377-417 | 1.6 | 7 |
| 110 | Polynomial decay and control of a 1D hyperbolic-parabolic coupled system. <i>Journal of Differential Equations</i> , 2004 , 204, 380-438 | 2.1 | 66 |
| 109 | Convergence of a multigrid method for the controllability of a 1-d wave equation. <i>Comptes Rendus Mathematique</i> , 2004 , 338, 413-418 | 0.4 | 35 |
| 108 | Discrete Ingham inequalities and applications. <i>Comptes Rendus Mathematique</i> , 2004 , 338, 281-286 | 0.4 | 9 |
| 107 | Approximation par éléments finis de problèmes elliptiques d'optimisation de forme. <i>Comptes Rendus Mathematique</i> , 2004 , 338, 729-734 | 0.4 | 5 |
| 106 | Unique Continuation and Control for the Heat Equation from an Oscillating Lower Dimensional Manifold. <i>SIAM Journal on Control and Optimization</i> , 2004 , 43, 1400-1434 | 1.9 | 21 |
| 105 | Finite Element Approximation of Wild Optimal Shapes 2004 , | | 1 |
| 104 | DECAY OF SOLUTIONS OF THE SYSTEM OF THERMOELASTICITY OF TYPE III. <i>Communications in Contemporary Mathematics</i> , 2003 , 05, 25-83 | 1.1 | 69 |
| 103 | Large Time Behavior for a Simplified 1D Model of Fluid-Solid Interaction View all notes . <i>Communications in Partial Differential Equations</i> , 2003 , 28, 1705-1738 | 1.6 | 42 |
| 102 | Controllability of Nonlinear Partial Differential Equations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 239-243 | | 1 |
| 101 | On a Constrained Approximate Controllability Problem for the Heat Equation: Addendum. <i>Journal of Optimization Theory and Applications</i> , 2003 , 118, 183-190 | 1.6 | 2 |
| 100 | Unique continuation for the linearized Benjamin-Bona-Mahony equation with space-dependent potential. <i>Mathematische Annalen</i> , 2003 , 325, 543-582 | 1 | 22 |
| 99 | Uniform exponential long time decay for the space semi-discretization of a locally damped wave equation via an artificial numerical viscosity. <i>Numerische Mathematik</i> , 2003 , 95, 563-598 | 2.2 | 59 |
| 98 | Controllability of an Elliptic equation and its Finite Difference Approximation by the Shape of the Domain. <i>Numerische Mathematik</i> , 2003 , 95, 63-99 | 2.2 | 20 |
| 97 | The energy decay rate for the modified Von Kármán system of thermoelastic plates: An improvement. <i>Applied Mathematics Letters</i> , 2003 , 16, 531-534 | 3.5 | 5 |

| | | | |
|----|---|-----|----|
| 96 | Uniform boundary controllability of a discrete 1-D wave equation. <i>Systems and Control Letters</i> , 2003 , 48, 261-279 | 2.4 | 39 |
| 95 | Polynomial decay and control of a 1D model for fluid-structure interaction. <i>Comptes Rendus Mathematique</i> , 2003 , 336, 745-750 | 0.4 | 16 |
| 94 | Control, observation and polynomial decay for a coupled heat-wave system. <i>Comptes Rendus Mathematique</i> , 2003 , 336, 823-828 | 0.4 | 22 |
| 93 | Stabilization and control for the subcritical semilinear wave equation. <i>Annales Scientifiques De L'Ecole Normale Supérieure</i> , 2003 , 36, 525-551 | 1.6 | 68 |
| 92 | Addendum to "Generic Simplicity of the Spectrum and Stabilization for a Plate Equation". <i>SIAM Journal on Control and Optimization</i> , 2003 , 42, 1905-1910 | 1.9 | 1 |
| 91 | A 2-Grid Algorithm for the 1-d Wave Equation 2003 , 213-217 | | 1 |
| 90 | Concentration and Lack of Observability of Waves in Highly Heterogeneous Media. <i>Archive for Rational Mechanics and Analysis</i> , 2002 , 164, 39-72 | 2.3 | 38 |
| 89 | Spectral boundary controllability of networks of strings. <i>Comptes Rendus Mathematique</i> , 2002 , 334, 545-550 | 0.4 | 7 |
| 88 | Log-Lipschitz regularity and uniqueness of the flow for a field in $(W^{n/p+1,p}(\mathbb{R}^n))_n$. <i>Comptes Rendus Mathematique</i> , 2002 , 335, 17-22 | 0.4 | 12 |
| 87 | Uniform null-controllability for the one-dimensional heat equation with rapidly oscillating periodic density. <i>Annales De L'Institut Henri Poincaré (C) Analyse Non Linéaire</i> , 2002 , 19, 543-580 | 1.6 | 14 |
| 86 | COMPLEXITY OF LARGE TIME BEHAVIOUR OF EVOLUTION EQUATIONS WITH BOUNDED DATA. <i>Chinese Annals of Mathematics Series B</i> , 2002 , 23, 293-310 | 0.4 | 23 |
| 85 | Control of Weakly Blowing up Semilinear Heat Equations 2002 , 127-148 | | |
| 84 | Boundary controllability of the finite-difference space semi-discretizations of the beam equation. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2002 , 8, 827-862 | 1 | 28 |
| 83 | Stabilization of Berger-Mimoshenko's equation as limit of the uniform stabilization of the von Kármán system of beams and plates. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2002 , 36, 657-691 | 1.8 | 8 |
| 82 | Stabilization of the Korteweg-de Vries equation with localized damping. <i>Quarterly of Applied Mathematics</i> , 2002 , 60, 111-129 | 0.7 | 81 |
| 81 | Controllability of partial differential equations and its semi-discrete approximations. <i>Discrete and Continuous Dynamical Systems</i> , 2002 , 8, 469-513 | 2 | 52 |
| 80 | On the Controllability of Parabolic Systems with a Nonlinear Term Involving the State and the Gradient. <i>SIAM Journal on Control and Optimization</i> , 2002 , 41, 798-819 | 1.9 | 92 |
| 79 | Existence, uniqueness and controllability for parabolic equations in non-cylindrical domains 2002 , 23, | | 4 |

| | | | |
|----|--|-----|-----|
| 78 | Controllability of star-shaped networks of strings. <i>Comptes Rendus Mathematique</i> , 2001 , 332, 621-626 | | 22 |
| 77 | Controllability of tree-shaped networks of vibrating strings. <i>Comptes Rendus Mathematique</i> , 2001 , 332, 1087-1092 | | 20 |
| 76 | On a one-dimensional version of the dynamical Marguerre-Vlasov system. <i>Sociedade Brasileira De Matematica Boletim, Nova Serie</i> , 2001 , 32, 303-319 | | 1 |
| 75 | Null Controllability in Unbounded Domains for the Semilinear Heat Equation with Nonlinearities Involving Gradient Terms. <i>Journal of Optimization Theory and Applications</i> , 2001 , 110, 245-264 | 1.6 | 22 |
| 74 | On a Constrained Approximate Controllability Problem for the Heat Equation. <i>Journal of Optimization Theory and Applications</i> , 2001 , 108, 29-64 | 1.6 | 4 |
| 73 | PARABOLIC SINGULAR LIMIT OF A WAVE EQUATION WITH LOCALIZED INTERIOR DAMPING. <i>Communications in Contemporary Mathematics</i> , 2001 , 03, 215-257 | 1.1 | 1 |
| 72 | ASYMPTOTIC EXPANSION FOR DAMPED WAVE EQUATIONS WITH PERIODIC COEFFICIENTS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2001 , 11, 1285-1310 | 3.5 | 21 |
| 71 | Large Time Asymptotics in Contaminant Transport in Porous Media with Variable Diffusion 2001 , 317-325 | | |
| 70 | Uniform stabilization of the higher-dimensional system of thermoelasticity with a nonlinear boundary feedback. <i>Quarterly of Applied Mathematics</i> , 2001 , 59, 269-314 | 0.7 | 18 |
| 69 | Some Results and Open Problems on the Controllability of Linear and Semilinear Heat Equations 2001 , 191-211 | | 6 |
| 68 | On the lack of null-controllability of the heat equation on the half-line. <i>Transactions of the American Mathematical Society</i> , 2000 , 353, 1635-1659 | 1 | 30 |
| 67 | High frequency asymptotic analysis of a string with rapidly oscillating density. <i>European Journal of Applied Mathematics</i> , 2000 , 11, 595-622 | 1 | 16 |
| 66 | Large Time Behavior for Convection-Diffusion Equations in \mathbb{R}^N with Periodic Coefficients. <i>Journal of Differential Equations</i> , 2000 , 167, 275-315 | 2.1 | 9 |
| 65 | The Hardy Inequality and the Asymptotic Behaviour of the Heat Equation with an Inverse-Square Potential. <i>Journal of Functional Analysis</i> , 2000 , 173, 103-153 | 1.4 | 220 |
| 64 | Null controllability of the heat equation as singular limit of the exact controllability of dissipative wave equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2000 , 79, 741-808 | 1.7 | 49 |
| 63 | Null and approximate controllability for weakly blowing up semilinear heat equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2000 , 17, 583-616 | 1.6 | 205 |
| 62 | Controllability for blowing up semilinear parabolic equations. <i>Comptes Rendus Mathematique</i> , 2000 , 330, 199-204 | | 10 |
| 61 | Exact boundary controllability of two Euler-Bernoulli beams connected by a point mass. <i>Mathematical and Computer Modelling</i> , 2000 , 32, 955-969 | | 16 |

| | | | |
|----|--|-----|-----|
| 60 | On exact controllability of generic trees. <i>ESAIM: Proceedings and Surveys</i> , 2000 , 8, 95-105 | | 11 |
| 59 | Timoshenko's beam equation as limit of a nonlinear one-dimensional von K rm  system. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2000 , 130, 855-875 | 1 | 12 |
| 58 | Low Frequency Asymptotic Analysis of a String with Rapidly Oscillating Density. <i>SIAM Journal on Applied Mathematics</i> , 2000 , 60, 1205-1233 | 1.8 | 36 |
| 57 | Generic Simplicity of the Spectrum and Stabilization for a Plate Equation. <i>SIAM Journal on Control and Optimization</i> , 2000 , 39, 1585-1614 | 1.9 | 21 |
| 56 | Large time behavior for convection-diffusion equations in irn with asymptotically constant diffusion. <i>Communications in Partial Differential Equations</i> , 1999 , 24, 1283-1340 | 1.6 | 18 |
| 55 | Approximate controllability of a semilinear heat equation in unbounded domains. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1999 , 37, 1059-1090 | 1.3 | 12 |
| 54 | Boundary observability for the finite-difference space semi-discretizations of the 2-d wave equation in the square. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 1999 , 78, 523-563 | 1.7 | 69 |
| 53 | Approximate Controllability for the Semilinear Heat Equation Involving Gradient Terms. <i>Journal of Optimization Theory and Applications</i> , 1999 , 101, 307-328 | 1.6 | 37 |
| 52 | Decay Rates for the Three-Dimensional Linear System of Thermoelasticity. <i>Archive for Rational Mechanics and Analysis</i> , 1999 , 148, 179-231 | 2.3 | 113 |
| 51 | Boundary observability for the space semi-discretizations of the 1 D wave equation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 1999 , 33, 407-438 | 1.8 | 90 |
| 50 | On the Nonexistence of Some Special Eigenfunctions for the Dirichlet Laplacian and the Lam  System. <i>Journal of Elasticity</i> , 1998 , 52, 111-120 | 1.5 | 3 |
| 49 | Singular Internal Stabilization of the Wave Equation. <i>Journal of Differential Equations</i> , 1998 , 145, 184-215 | 1.1 | 33 |
| 48 | On exponential stability for von K rm  equations in the presence of thermal effects. <i>Mathematical Methods in the Applied Sciences</i> , 1998 , 21, 393-416 | 2.3 | 11 |
| 47 | Null-Controllability of a System of Linear Thermoelasticity. <i>Archive for Rational Mechanics and Analysis</i> , 1998 , 141, 297-329 | 2.3 | 116 |
| 46 | Boundary observability for the space-discretizations of the 1 D wave equation. <i>Comptes Rendus Mathematique</i> , 1998 , 326, 713-718 | | 16 |
| 45 | Uniform null-controllability for the one-dimensional heat equation with rapidly oscillating coefficients. <i>Comptes Rendus Mathematique</i> , 1998 , 326, 955-960 | | 4 |
| 44 | Null controllability of the 1 D heat equation as limit of the controllability of dissipative wave equations. <i>Comptes Rendus Mathematique</i> , 1998 , 327, 753-758 | | 3 |
| 43 | Asymptotics for the Spectrum of a Fluid/Structure Hybrid System Arising in the Control of Noise. <i>SIAM Journal on Mathematical Analysis</i> , 1998 , 29, 967-1001 | 1.7 | 14 |

| | | | |
|----|---|-----|-----|
| 42 | Boundary Controllability of a Hybrid System Consisting in Two Flexible Beams Connected by a Point Mass. <i>SIAM Journal on Control and Optimization</i> , 1998 , 36, 1576-1595 | 1.9 | 25 |
| 41 | Some Problems and Results on the Controllability of Partial Differential Equations 1998 , 276-311 | | 6 |
| 40 | On a Weakly Damped System Arising in the Control of Noise 1998 , 207-222 | | 1 |
| 39 | On the Control of Coupled Linear Systems 1998 , 183-189 | | |
| 38 | Long-Time Behavior for a Convection-Diffusion Equation in Higher Dimensions. <i>SIAM Journal on Mathematical Analysis</i> , 1997 , 28, 570-594 | 1.7 | 14 |
| 37 | Boundary Controllability of a Linear Hybrid System Arising in the Control of Noise. <i>SIAM Journal on Control and Optimization</i> , 1997 , 35, 1614-1637 | 1.9 | 28 |
| 36 | A hybrid system consisting in two flexible beams connected by a point mass: spectral analysis and well-posedness in asymmetric spaces. <i>ESAIM: Proceedings and Surveys</i> , 1997 , 2, 17-53 | | 6 |
| 35 | On the cost of controlling unstable systems: The case of boundary controls. <i>Journal D'Analyse Mathématique</i> , 1997 , 73, 225-249 | 0.8 | 6 |
| 34 | On a theorem of Ingham. <i>Journal of Fourier Analysis and Applications</i> , 1997 , 3, 577-582 | 1.1 | 22 |
| 33 | Sur la décroissance non uniforme de l'énergie dans le système de la thermoélasticité linéaire. <i>Comptes Rendus Mathématique</i> , 1997 , 324, 409-415 | | 16 |
| 32 | Contrôlabilité exacte des approximations de Galerkin des équations de Navier-Stokes. <i>Comptes Rendus Mathématique</i> , 1997 , 324, 1015-1021 | | 6 |
| 31 | Contrôlabilité de l'équation des ondes à densité rapidement oscillante à une dimension d'espace. <i>Comptes Rendus Mathématique</i> , 1997 , 324, 1237-1242 | | 6 |
| 30 | Finite dimensional null controllability for the semilinear heat equation. <i>Journal Des Mathématiques Pures Et Appliquées</i> , 1997 , 76, 237-264 | 1.7 | 62 |
| 29 | A Uniqueness Result for the Linear System of Elasticity and Its Control Theoretical Consequences. <i>SIAM Journal on Control and Optimization</i> , 1996 , 34, 1473-1495 | 1.9 | 4 |
| 28 | Exact controllability and asymptotic limit for thin plates. <i>Asymptotic Analysis</i> , 1996 , 12, 213-252 | 0.7 | 6 |
| 27 | Stability Results for the Wave Equation with Indefinite Damping. <i>Journal of Differential Equations</i> , 1996 , 132, 338-352 | 2.1 | 47 |
| 26 | The rate at which energy decays in a string damped at one end. <i>Indiana University Mathematics Journal</i> , 1995 , 44, 0-0 | 0.6 | 75 |
| 25 | Approximate controllability of the semilinear heat equation. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 1995 , 125, 31-61 | 1 | 223 |

| | | | |
|----|---|-----|-----|
| 24 | Exact Controllability and Stabilization of a Vibrating String with an Interior Point Mass. <i>SIAM Journal on Control and Optimization</i> , 1995 , 33, 1357-1391 | 1.9 | 66 |
| 23 | Parabolic singular limit of a wave equation with localized boundary damping. <i>Discrete and Continuous Dynamical Systems</i> , 1995 , 1, 303-346 | 2 | 14 |
| 22 | On the Density of the Range of the Semigroup for Semilinear Heat Equations. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1995 , 73-91 | 0.5 | 4 |
| 21 | A Dynamical System Approach to the Self-Similar Large Time Behavior in Scalar Convection-Diffusion Equations. <i>Journal of Differential Equations</i> , 1994 , 108, 1-35 | 2.1 | 24 |
| 20 | The rate at which energy decays in a damped String. <i>Communications in Partial Differential Equations</i> , 1994 , 19, 213-243 | 1.6 | 117 |
| 19 | Asymptotic Analysis of a Multidimensional Vibrating Structure. <i>SIAM Journal on Mathematical Analysis</i> , 1994 , 25, 836-858 | 1.7 | 7 |
| 18 | Approximate Boundary Controllability for the Wave Equation in Perforated Domains. <i>SIAM Journal on Control and Optimization</i> , 1994 , 32, 35-50 | 1.9 | 3 |
| 17 | Controllability of the Linear System of Thermoelasticity: Dirichlet-Neumann Boundary Conditions 1994 , 391-402 | | 1 |
| 16 | Global attractors for semilinear wave equations with locally distributed nonlinear damping and critical exponent. <i>Communications in Partial Differential Equations</i> , 1993 , 18, 1539-1555 | 1.6 | 43 |
| 15 | Exact controllability for semilinear wave equations in one space dimension. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 1993 , 10, 109-129 | 1.6 | 128 |
| 14 | Exact controllability for a model of a multidimensional flexible structure. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 1993 , 123, 323-344 | 1 | 9 |
| 13 | Asymptotic behaviour and source-type solutions for a diffusion-convection equation. <i>Archive for Rational Mechanics and Analysis</i> , 1993 , 124, 43-65 | 2.3 | 75 |
| 12 | . <i>Indiana University Mathematics Journal</i> , 1993 , 42, 1413 | 0.6 | 46 |
| 11 | Approximate controllability for the wave equation. <i>Lecture Notes in Control and Information Sciences</i> , 1992 , 118-124 | 0.5 | 2 |
| 10 | Large time behavior for convection-diffusion equations in \mathbb{R}^N . <i>Journal of Functional Analysis</i> , 1991 , 100, 119-161 | 1.4 | 148 |
| 9 | Self-similar solutions for a convection-diffusion equation with absorption in \mathbb{R}^N . <i>Israel Journal of Mathematics</i> , 1991 , 74, 47-64 | 0.8 | 4 |
| 8 | Uniform Stabilization of the Wave Equation by Nonlinear Boundary Feedback. <i>SIAM Journal on Control and Optimization</i> , 1990 , 28, 466-477 | 1.9 | 123 |
| 7 | Self-Similar Solutions of a Convection Diffusion Equation And Related Semilinear Elliptic Problems. <i>Communications in Partial Differential Equations</i> , 1990 , 15, 139-157 | 1.6 | 18 |

| | | | |
|---|---|-----|-----|
| 6 | Super-solutions of eigenvalue problems and the oscillation properties of second order evolution equations. <i>Journal of Differential Equations</i> , 1988 , 74, 11-28 | 2.1 | 4 |
| 5 | Decay estimates for some semilinear damped hyperbolic problems. <i>Archive for Rational Mechanics and Analysis</i> , 1988 , 100, 191-206 | 2.3 | 145 |
| 4 | Uniform observability of the wave equation via a discrete Ingham inequality | | 1 |
| 3 | Sidewise Profile Control of 1-D Waves. <i>Journal of Optimization Theory and Applications</i> , 1 | 1.6 | 1 |
| 2 | Control and numerical approximation of the wave and heat equations 1389-1417 | | 9 |
| 1 | A framework for randomized time-splitting in linear-quadratic optimal control. <i>Numerische Mathematik</i> , 1 | 2.2 | |