

# Enrique Zuazua

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3054751/enrique-zuazua-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Approximate controllability of the semilinear heat equation. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , <b>1995</b> , 125, 31-61	1	223
292	Propagation, Observation, and Control of Waves Approximated by Finite Difference Methods. <i>SIAM Review</i> , <b>2005</b> , 47, 197-243	7.4	221
291	The Hardy Inequality and the Asymptotic Behaviour of the Heat Equation with an Inverse-Square Potential. <i>Journal of Functional Analysis</i> , <b>2000</b> , 173, 103-153	1.4	220
290	Null and approximate controllability for weakly blowing up semilinear heat equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2000</b> , 17, 583-616	1.6	205
289	Large time behavior for convection-diffusion equations in $\mathbb{R}^N$ . <i>Journal of Functional Analysis</i> , <b>1991</b> , 100, 119-161	1.4	148
288	Decay estimates for some semilinear damped hyperbolic problems. <i>Archive for Rational Mechanics and Analysis</i> , <b>1988</b> , 100, 191-206	2.3	145
287	Exact controllability for semilinear wave equations in one space dimension. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>1993</b> , 10, 109-129	1.6	128
286	Uniform Stabilization of the Wave Equation by Nonlinear Boundary Feedback. <i>SIAM Journal on Control and Optimization</i> , <b>1990</b> , 28, 466-477	1.9	123
285	The rate at which energy decays in a damped String. <i>Communications in Partial Differential Equations</i> , <b>1994</b> , 19, 213-243	1.6	117
284	Null-Controllability of a System of Linear Thermoelasticity. <i>Archive for Rational Mechanics and Analysis</i> , <b>1998</b> , 141, 297-329	2.3	116
283	Decay Rates for the Three-Dimensional Linear System of Thermoelasticity. <i>Archive for Rational Mechanics and Analysis</i> , <b>1999</b> , 148, 179-231	2.3	113
282	The turnpike property in finite-dimensional nonlinear optimal control. <i>Journal of Differential Equations</i> , <b>2015</b> , 258, 81-114	2.1	102
281	Wave Propagation, Observation and Control in 1-d Flexible Multi-Structures. <i>Mathématiques Et Applications</i> , <b>2006</b> ,	0.4	96
280	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> , <b>2008</b> , 25, 1-41	1.6	92
279	On the Controllability of Parabolic Systems with a Nonlinear Term Involving the State and the Gradient. <i>SIAM Journal on Control and Optimization</i> , <b>2002</b> , 41, 798-819	1.9	92
278	Boundary observability for the space semi-discretizations of the 1D wave equation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , <b>1999</b> , 33, 407-438	1.8	90
277	Stabilization of the Korteweg-de Vries equation with localized damping. <i>Quarterly of Applied Mathematics</i> , <b>2002</b> , 60, 111-129	0.7	81

276	Long-Time Behavior of a Coupled Heat-Wave System Arising in Fluid-Structure Interaction. <i>Archive for Rational Mechanics and Analysis</i> , <b>2007</b> , 184, 49-120	2.3	78
275	Controllability and Observability of Partial Differential Equations: Some Results and Open Problems. <i>Handbook of Differential Equations: Evolutionary Equations</i> , <b>2007</b> , 527-621		75
274	The rate at which energy decays in a string damped at one end. <i>Indiana University Mathematics Journal</i> , <b>1995</b> , 44, 0-0	0.6	75
273	Asymptotic behaviour and source-type solutions for a diffusion-convection equation. <i>Archive for Rational Mechanics and Analysis</i> , <b>1993</b> , 124, 43-65	2.3	75
272	Continuous Adjoint Approach for the Spalart-Allmaras Model in Aerodynamic Optimization. <i>AIAA Journal</i> , <b>2012</b> , 50, 631-646	2.1	72
271	Polynomial decay for a hyperbolic-parabolic coupled system. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2005</b> , 84, 407-470	1.7	71
270	Long Time versus Steady State Optimal Control. <i>SIAM Journal on Control and Optimization</i> , <b>2013</b> , 51, 4242-4273	1.9	69
269	DECAY OF SOLUTIONS OF THE SYSTEM OF THERMOELASTICITY OF TYPE III. <i>Communications in Contemporary Mathematics</i> , <b>2003</b> , 05, 25-83	1.1	69
268	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> , <b>1999</b> , 78, 523-563	1.7	69
267	Stabilization and control for the subcritical semilinear wave equation. <i>Annales Scientifiques De L'Ecole Normale Supérieure</i> , <b>2003</b> , 36, 525-551	1.6	68
266	Large Time Asymptotics for Partially Dissipative Hyperbolic Systems. <i>Archive for Rational Mechanics and Analysis</i> , <b>2011</b> , 199, 177-227	2.3	67
265	Polynomial decay and control of a 1d hyperbolic-parabolic coupled system. <i>Journal of Differential Equations</i> , <b>2004</b> , 204, 380-438	2.1	66
264	Exact Controllability and Stabilization of a Vibrating String with an Interior Point Mass. <i>SIAM Journal on Control and Optimization</i> , <b>1995</b> , 33, 1357-1391	1.9	66
263	Systematic Continuous Adjoint Approach to Viscous Aerodynamic Design on Unstructured Grids. <i>AIAA Journal</i> , <b>2007</b> , 45, 2125-2139	2.1	65
262	Finite dimensional null controllability for the semilinear heat equation. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>1997</b> , 76, 237-264	1.7	62
261	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> , <b>2003</b> , 95, 563-598	2.2	59
260	Controllability of partial differential equations and its semi-discrete approximations. <i>Discrete and Continuous Dynamical Systems</i> , <b>2002</b> , 8, 469-513	2	52
259	Stabilization of the Wave Equation on 1-d Networks. <i>SIAM Journal on Control and Optimization</i> , <b>2009</b> , 48, 2771-2797	1.9	50

258	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> , <b>2000</b> , 79, 741-808	1.7	49
257	Stability Results for the Wave Equation with Indefinite Damping. <i>Journal of Differential Equations</i> , <b>1996</b> , 132, 338-352	2.1	47
256	Null controllability for the heat equation with singular inverse-square potentials. <i>Journal of Functional Analysis</i> , <b>2008</b> , 254, 1864-1902	1.4	46
255	. <i>Indiana University Mathematics Journal</i> , <b>1993</b> , 42, 1413	0.6	46
254	Uniformly exponentially stable approximations for a class of damped systems. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2009</b> , 91, 20-48	1.7	45
253	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> , <b>2008</b> , 18, 369-416	3.5	45
252	Uniform boundary stabilization of the finite difference space discretization of the 1D wave equation. <i>Advances in Computational Mathematics</i> , <b>2007</b> , 26, 337-365	1.6	45
251	Local Elliptic Regularity for the Dirichlet Fractional Laplacian. <i>Advanced Nonlinear Studies</i> , <b>2017</b> , 17, 387-409	4.0	44
250	On the Equivalence of Minimal Time and Minimal Norm Controls for Internally Controlled Heat Equations. <i>SIAM Journal on Control and Optimization</i> , <b>2012</b> , 50, 2938-2958	1.9	44
249	Averaged control. <i>Automatica</i> , <b>2014</b> , 50, 3077-3087	5.7	43
248	Global attractors for semilinear wave equations with locally distributed nonlinear damping and critical exponent. <i>Communications in Partial Differential Equations</i> , <b>1993</b> , 18, 1539-1555	1.6	43
247	Large Time Behavior for a Simplified 1D Model of Fluid-Solid InteractionView all notes. <i>Communications in Partial Differential Equations</i> , <b>2003</b> , 28, 1705-1738	1.6	42
246	Numerical approximation of null controls for the heat equation: Ill-posedness and remedies. <i>Inverse Problems</i> , <b>2010</b> , 26, 085018	2.3	39
245	Uniform boundary controllability of a discrete 1-D wave equation. <i>Systems and Control Letters</i> , <b>2003</b> , 48, 261-279	2.4	39
244	Optimal Shape and Location of Sensors for Parabolic Equations with Random Initial Data. <i>Archive for Rational Mechanics and Analysis</i> , <b>2015</b> , 216, 921-981	2.3	38
243	Concentration and Lack of Observability of Waves in Highly Heterogeneous Media. <i>Archive for Rational Mechanics and Analysis</i> , <b>2002</b> , 164, 39-72	2.3	38
242	A systematic method for building smooth controls for smooth data. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2010</b> , 14, 1375-1401	1.3	37
241	On the observability of time-discrete conservative linear systems. <i>Journal of Functional Analysis</i> , <b>2008</b> , 254, 3037-3078	1.4	37

240	On the Controllability of a Fractional Order Parabolic Equation. <i>SIAM Journal on Control and Optimization</i> , <b>2006</b> , 44, 1950-1972	1.9	37
239	Approximate Controllability for the Semilinear Heat Equation Involving Gradient Terms. <i>Journal of Optimization Theory and Applications</i> , <b>1999</b> , 101, 307-328	1.6	37
238	Null controllability of a system of viscoelasticity with a moving control. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2014</b> , 101, 198-222	1.7	36
237	Sharp Observability Estimates for Heat Equations. <i>Archive for Rational Mechanics and Analysis</i> , <b>2011</b> , 202, 975-1017	2.3	36
236	Low Frequency Asymptotic Analysis of a String with Rapidly Oscillating Density. <i>SIAM Journal on Applied Mathematics</i> , <b>2000</b> , 60, 1205-1233	1.8	36
235	Convergence of a multigrid method for the controllability of a 1-d wave equation. <i>Comptes Rendus Mathematique</i> , <b>2004</b> , 338, 413-418	0.4	35
234	Numerical Dispersive Schemes for the Nonlinear Schrödinger Equation. <i>SIAM Journal on Numerical Analysis</i> , <b>2009</b> , 47, 1366-1390	2.4	34
233	Singular Internal Stabilization of the Wave Equation. <i>Journal of Differential Equations</i> , <b>1998</b> , 145, 184-215.	1.1	33
232	Optimal location of controllers for the one-dimensional wave equation. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2013</b> , 30, 1097-1126	1.6	32
231	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> , <b>2016</b> , 90, 61-70	2.4	31
230	Optimal Observation of the One-dimensional Wave Equation. <i>Journal of Fourier Analysis and Applications</i> , <b>2013</b> , 19, 514-544	1.1	30
229	LACK OF COLLISION IN A SIMPLIFIED 1D MODEL FOR FLUIDSOLID INTERACTION. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2006</b> , 16, 637-678	3.5	30
228	On the lack of null-controllability of the heat equation on the half-line. <i>Transactions of the American Mathematical Society</i> , <b>2000</b> , 353, 1635-1659	1	30
227	Steady-State and Periodic Exponential Turnpike Property for Optimal Control Problems in Hilbert Spaces. <i>SIAM Journal on Control and Optimization</i> , <b>2018</b> , 56, 1222-1252	1.9	28
226	Averaged control and observation of parameter-depending wave equations. <i>Comptes Rendus Mathematique</i> , <b>2014</b> , 352, 497-502	0.4	28
225	Boundary Controllability of a Linear Hybrid System Arising in the Control of Noise. <i>SIAM Journal on Control and Optimization</i> , <b>1997</b> , 35, 1614-1637	1.9	28
224	Boundary controllability of the finite-difference space semi-discretizations of the beam equation. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2002</b> , 8, 827-862	1	28
223	Controllability of Evolution Equations with Memory. <i>SIAM Journal on Control and Optimization</i> , <b>2017</b> , 55, 2437-2459	1.9	27

222	Averaged controllability for random evolution Partial Differential Equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2016</b> , 105, 367-414	1.7	26
221	Switching control. <i>Journal of the European Mathematical Society</i> , <b>2011</b> , 85-117	1.8	26
220	Spike controls for elliptic and parabolic PDEs. <i>Systems and Control Letters</i> , <b>2013</b> , 62, 311-318	2.4	25
219	Boundary Controllability of a Hybrid System Consisting in Two Flexible Beams Connected by a Point Mass. <i>SIAM Journal on Control and Optimization</i> , <b>1998</b> , 36, 1576-1595	1.9	25
218	Numerical Approximation of Exact Controls for Waves. <i>SpringerBriefs in Mathematics</i> , <b>2013</b> ,	0.6	25
217	Null controllability for wave equations with memory. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2017</b> , 108, 500-531	1.7	24
216	Hardy Inequalities, Observability, and Control for the Wave and Schrödinger Equations with Singular Potentials. <i>SIAM Journal on Mathematical Analysis</i> , <b>2009</b> , 41, 1508-1532	1.7	24
215	A Dynamical System Approach to the Self-Similar Large Time Behavior in Scalar Convection-Diffusion Equations. <i>Journal of Differential Equations</i> , <b>1994</b> , 108, 1-35	2.1	24
214	COMPLEXITY OF LARGE TIME BEHAVIOUR OF EVOLUTION EQUATIONS WITH BOUNDED DATA. <i>Chinese Annals of Mathematics Series B</i> , <b>2002</b> , 23, 293-310	0.4	23
213	Convergence of a two-grid algorithm for the control of the wave equation. <i>Journal of the European Mathematical Society</i> , <b>2009</b> , 351-391	1.8	22
212	On a theorem of Ingham. <i>Journal of Fourier Analysis and Applications</i> , <b>1997</b> , 3, 577-582	1.1	22
211	Unique continuation for the linearized Benjamin-Bona-Mahony equation with space-dependent potential. <i>Mathematische Annalen</i> , <b>2003</b> , 325, 543-582	1	22
210	Control, observation and polynomial decay for a coupled heat-wave system. <i>Comptes Rendus Mathematique</i> , <b>2003</b> , 336, 823-828	0.4	22
209	Controllability of star-shaped networks of strings. <i>Comptes Rendus Mathematique</i> , <b>2001</b> , 332, 621-626		22
208	Null Controllability in Unbounded Domains for the Semilinear Heat Equation with Nonlinearities Involving Gradient Terms. <i>Journal of Optimization Theory and Applications</i> , <b>2001</b> , 110, 245-264	1.6	22
207	Null Controllability of Linear Heat and Wave Equations with Nonlocal Spatial Terms. <i>SIAM Journal on Control and Optimization</i> , <b>2016</b> , 54, 2009-2019	1.9	22
206	The Wave Equation: Control and Numerics. <i>Lecture Notes in Mathematics</i> , <b>2012</b> , 245-339	0.4	21
205	Unique Continuation and Control for the Heat Equation from an Oscillating Lower Dimensional Manifold. <i>SIAM Journal on Control and Optimization</i> , <b>2004</b> , 43, 1400-1434	1.9	21

204	ASYMPTOTIC EXPANSION FOR DAMPED WAVE EQUATIONS WITH PERIODIC COEFFICIENTS. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2001</b> , 11, 1285-1310	3.5	21
203	Generic Simplicity of the Spectrum and Stabilization for a Plate Equation. <i>SIAM Journal on Control and Optimization</i> , <b>2000</b> , 39, 1585-1614	1.9	21
202	The Hardy inequality and the heat equation in twisted tubes. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2010</b> , 94, 277-303	1.7	20
201	Controllability of an Elliptic equation and its Finite Difference Approximation by the Shape of the Domain. <i>Numerische Mathematik</i> , <b>2003</b> , 95, 63-99	2.2	20
200	Controllability of tree-shaped networks of vibrating strings. <i>Comptes Rendus Mathematique</i> , <b>2001</b> , 332, 1087-1092		20
199	Identification of the class of initial data for the insensitizing control of the heat equation. <i>Communications on Pure and Applied Analysis</i> , <b>2009</b> , 8, 457-471	1.9	20
198	Modelling and Optimisation of Flows on Networks. <i>Lecture Notes in Mathematics</i> , <b>2013</b> ,	0.4	19
197	Minimal controllability time for the heat equation under unilateral state or control constraints. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2017</b> , 27, 1587-1644	3.5	19
196	2-D Euler Shape Design on Nonregular Flows Using Adjoint Rankine-Hugoniot Relations. <i>AIAA Journal</i> , <b>2009</b> , 47, 552-562	2.1	19
195	Dispersive properties of a viscous numerical scheme for the Schrödinger equation. <i>Comptes Rendus Mathematique</i> , <b>2005</b> , 340, 529-534	0.4	19
194	Optimal observability of the multi-dimensional wave and Schrödinger equations in quantum ergodic domains. <i>Journal of the European Mathematical Society</i> , <b>2016</b> , 18, 1043-1111	1.8	19
193	Control and Stabilization of Waves on 1-d Networks. <i>Lecture Notes in Mathematics</i> , <b>2013</b> , 463-493	0.4	18
192	Large time behavior for convection-diffusion equations in irn with asymptotically constant diffusion. <i>Communications in Partial Differential Equations</i> , <b>1999</b> , 24, 1283-1340	1.6	18
191	Self-Similar Solutions of a Convection Diffusion Equation And Related Semilinear Elliptic Problems. <i>Communications in Partial Differential Equations</i> , <b>1990</b> , 15, 139-157	1.6	18
190	Sparse initial data identification for parabolic PDE and its finite element approximations. <i>Mathematical Control and Related Fields</i> , <b>2015</b> , 5, 377-399	1.5	18
189	Uniform stabilization of the higher-dimensional system of thermoelasticity with a nonlinear boundary feedback. <i>Quarterly of Applied Mathematics</i> , <b>2001</b> , 59, 269-314	0.7	18
188	Averaged controllability of parameter dependent conservative semigroups. <i>Journal of Differential Equations</i> , <b>2017</b> , 262, 1540-1574	2.1	17
187	Some controllability results for the 2D Kolmogorov equation. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2009</b> , 26, 1793-1815	1.6	17



186	On the lack of controllability of fractional in time ODE and PDE. <i>Mathematics of Control, Signals, and Systems</i> , <b>2016</b> , 28, 1	1.3	16
185	Sur la décroissance non uniforme de l'énergie dans le système de la thermoélasticité linéaire. <i>Comptes Rendus Mathématique</i> , <b>1997</b> , 324, 409-415		16
184	Boundary observability for the space-discretizations of the 1D wave equation. <i>Comptes Rendus Mathématique</i> , <b>1998</b> , 326, 713-718		16
183	Controllability of the Kirchhoff System for Beams as a Limit of the Mindlin-Timoshenko System. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 1909-1938	1.9	16
182	Discrete Ingham Inequalities and Applications. <i>SIAM Journal on Numerical Analysis</i> , <b>2006</b> , 44, 412-448	2.4	16
181	Polynomial decay and control of a 1D model for fluid-structure interaction. <i>Comptes Rendus Mathématique</i> , <b>2003</b> , 336, 745-750	0.4	16
180	High frequency asymptotic analysis of a string with rapidly oscillating density. <i>European Journal of Applied Mathematics</i> , <b>2000</b> , 11, 595-622	1	16
179	Exact boundary controllability of two Euler-Bernoulli beams connected by a point mass. <i>Mathematical and Computer Modelling</i> , <b>2000</b> , 32, 955-969		16
178	Numerical meshes ensuring uniform observability of one-dimensional waves: construction and analysis. <i>IMA Journal of Numerical Analysis</i> , <b>2016</b> , 36, 503-542	1.8	15
177	Perfectly matched layers in 1-d : energy decay for continuous and semi-discrete waves. <i>Numerische Mathematik</i> , <b>2008</b> , 109, 597-634	2.2	15
176	Remarks on Long Time Versus Steady State Optimal Control. <i>Springer INdAM Series</i> , <b>2016</b> , 67-89	0.4	15
175	Large time control and turnpike properties for wave equations. <i>Annual Reviews in Control</i> , <b>2017</b> , 44, 199-210	1.9	14
174	Actuator Design for Parabolic Distributed Parameter Systems with the Moment Method. <i>SIAM Journal on Control and Optimization</i> , <b>2017</b> , 55, 1128-1152	1.9	14
173	Greedy controllability of finite dimensional linear systems. <i>Automatica</i> , <b>2016</b> , 74, 327-340	5.7	14
172	Long-Time Behavior for a Convection-Diffusion Equation in Higher Dimensions. <i>SIAM Journal on Mathematical Analysis</i> , <b>1997</b> , 28, 570-594	1.7	14
171	Asymptotics for the Spectrum of a Fluid/Structure Hybrid System Arising in the Control of Noise. <i>SIAM Journal on Mathematical Analysis</i> , <b>1998</b> , 29, 967-1001	1.7	14
170	Finite-element approximation of 2D elliptic optimal design. <i>Journal Des Mathématiques Pures Et Appliquées</i> , <b>2006</b> , 85, 225-249	1.7	14
169	Uniform null-controllability for the one-dimensional heat equation with rapidly oscillating periodic density. <i>Annales De L'institut Henri Poincaré (C) Analyse Non Lineaire</i> , <b>2002</b> , 19, 543-580	1.6	14



168	A two-grid approximation scheme for nonlinear Schrödinger equations: dispersive properties and convergence. <i>Comptes Rendus Mathématique</i> , <b>2005</b> , 341, 381-386	0.4	14
167	Parabolic singular limit of a wave equation with localized boundary damping. <i>Discrete and Continuous Dynamical Systems</i> , <b>1995</b> , 1, 303-346	2	14
166	Addendum: Local Elliptic Regularity for the Dirichlet Fractional Laplacian. <i>Advanced Nonlinear Studies</i> , <b>2017</b> , 17, 837-839	1.2	13
165	Asymptotic Behavior of a Hyperbolic-parabolic Coupled System Arising in Fluid-structure Interaction. <i>International Series of Numerical Mathematics</i> , <b>2006</b> , 445-455	0.4	13
164	Allee optimal control of a system in ecology. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2018</b> , 28, 1665-1697	3.5	12
163	GEOMETRIC NUMERICAL METHODS AND RESULTS IN THE CONTRAST IMAGING PROBLEM IN NUCLEAR MAGNETIC RESONANCE. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2014</b> , 24, 187-212	3.5	12
162	Null controllability of viscous Hamilton-Jacobi equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2012</b> , 29, 301-333	1.6	12
161	Robust Grid Adaptation for Efficient Uncertainty Quantification. <i>AIAA Journal</i> , <b>2012</b> , 50, 1538-1546	2.1	12
160	Log-Lipschitz regularity and uniqueness of the flow for a field in $(W^{n/p+1,p}(\mathbb{R}^n))_n$ . <i>Comptes Rendus Mathématique</i> , <b>2002</b> , 335, 17-22	0.4	12
159	Timoshenko's beam equation as limit of a nonlinear one-dimensional von Kármán system. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , <b>2000</b> , 130, 855-875	1	12
158	Approximate controllability of a semilinear heat equation in unbounded domains. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>1999</b> , 37, 1059-1090	1.3	12
157	Observability of heat processes by transmutation without geometric restrictions. <i>Mathematical Control and Related Fields</i> , <b>2011</b> , 1, 177-187	1.5	12
156	From averaged to simultaneous controllability. <i>Annales De La Faculté Des Sciences De Toulouse</i> , <b>2016</b> , 25, 785-828	0.3	12
155	Controllability and positivity constraints in population dynamics with age structuring and diffusion. <i>Journal Des Mathématiques Pures Et Appliquées</i> , <b>2019</b> , 129, 153-179	1.7	12
154	Numerical aspects of large-time optimal control of Burgers equation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , <b>2016</b> , 50, 1371-1401	1.8	11
153	Complexity and regularity of maximal energy domains for the wave equation with fixed initial data. <i>Discrete and Continuous Dynamical Systems</i> , <b>2015</b> , 35, 6133-6153	2	11
152	Flux identification for 1-D scalar conservation laws in the presence of shocks. <i>Mathematics of Computation</i> , <b>2011</b> , 80, 2025-2025	1.6	11
151	The asymptotic behaviour of the heat equation in a twisted Dirichlet-Neumann waveguide. <i>Journal of Differential Equations</i> , <b>2011</b> , 250, 2334-2346	2.1	11

- 150 On exponential stability for von Kármán equations in the presence of thermal effects. *Mathematical Methods in the Applied Sciences*, **1998**, 21, 393-416 2.3 11
- 149 Long-time behavior of solutions to a nonlinear hyperbolic relaxation system. *Journal of Differential Equations*, **2006**, 228, 17-38 2.1 11
- 148 On exact controllability of generic trees. *ESAIM: Proceedings and Surveys*, **2000**, 8, 95-105 11
- 147 Controllability under positivity constraints of semilinear heat equations. *Mathematical Control and Related Fields*, **2018**, 8, 935-964 1.5 11
- 146 Null controllability for a heat equation with a singular inverse-square potential involving the distance to the boundary function. *Journal of Differential Equations*, **2016**, 261, 2809-2853 2.1 11
- 145 Dynamics and control for multi-agent networked systems: A finite-difference approach. *Mathematical Models and Methods in Applied Sciences*, **2019**, 29, 755-790 3.5 10
- 144 Robust null controllability for heat equations with unknown switching control mode. *Discrete and Continuous Dynamical Systems*, **2014**, 34, 4183-4210 2 10
- 143 Asymptotic limits and stabilization for the 1D nonlinear Mindlin-Timoshenko system. *Journal of Systems Science and Complexity*, **2010**, 23, 414-430 1 10
- 142 Localized solutions for the finite difference semi-discretization of the wave equation. *Comptes Rendus Mathématique*, **2010**, 348, 647-652 0.4 10
- 141 Controllability for blowing up semilinear parabolic equations. *Comptes Rendus Mathématique*, **2000**, 330, 199-204 10
- 140 A hybrid system of PDEs arising in multi-structure interaction: coupling of wave equations in  $n$  and  $n-1$  space dimensions. *Contemporary Mathematics*, **2006**, 55-77 1.6 10
- 139 Greedy optimal control for elliptic problems and its application to turnpike problems. *Numerische Mathematik*, **2019**, 141, 455-493 2.2 10
- 138 Internal Controllability for Parabolic Systems Involving Analytic Non-local Terms. *Chinese Annals of Mathematics Series B*, **2018**, 39, 281-296 0.4 9
- 137 Minimal controllability time for finite-dimensional control systems under state constraints. *Automatica*, **2018**, 96, 380-392 5.7 9
- 136 Generation of 2D water waves by moving bottom disturbances. *IMA Journal of Applied Mathematics*, **2015**, 80, 1235-1253 1 9
- 135 On the Quadratic Finite Element Approximation of One-Dimensional Waves: Propagation, Observation, and Control. *SIAM Journal on Numerical Analysis*, **2012**, 50, 2744-2777 2.4 9
- 134 Numerical Approximation of a One-Dimensional Elliptic Optimal Design Problem. *Multiscale Modeling and Simulation*, **2011**, 9, 1181-1216 1.8 9
- 133 Localized solutions and filtering mechanisms for the discontinuous Galerkin semi-discretizations of the wave equation. *Comptes Rendus Mathématique*, **2010**, 348, 1087-1092 0.4 9

132	Discrete Ingham inequalities and applications. <i>Comptes Rendus Mathematique</i> , <b>2004</b> , 338, 281-286	0.4	9
131	Large Time Behavior for Convection-Diffusion Equations in RN with Periodic Coefficients. <i>Journal of Differential Equations</i> , <b>2000</b> , 167, 275-315	2.1	9
130	Exact controllability for a model of a multidimensional flexible structure. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , <b>1993</b> , 123, 323-344	1	9
129	Controllability of the one-dimensional fractional heat equation under positivity constraints. <i>Communications on Pure and Applied Analysis</i> , <b>2020</b> , 19, 1949-1978	1.9	9
128	Control and numerical approximation of the wave and heat equations1389-1417		9
127	Stable observation of additive superpositions of Partial Differential Equations. <i>Systems and Control Letters</i> , <b>2016</b> , 93, 21-29	2.4	9
126	Phase portrait control for 1D monostable and bistable reaction-diffusion equations. <i>Nonlinearity</i> , <b>2019</b> , 32, 884-909	1.7	8
125	Internal Observability for Coupled Systems of Linear Partial Differential Equations. <i>SIAM Journal on Control and Optimization</i> , <b>2019</b> , 57, 832-853	1.9	8
124	Weak observability estimates for 1-D wave equations with rough coefficients. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2015</b> , 32, 245-277	1.6	8
123	Numerical hypocoercivity for the Kolmogorov equation. <i>Mathematics of Computation</i> , <b>2016</b> , 86, 97-119	1.6	8
122	Exact penalization of terminal constraints for optimal control problems. <i>Optimal Control Applications and Methods</i> , <b>2016</b> , 37, 1329-1354	1.7	8
121	Propagation of 1D Waves in Regular Discrete Heterogeneous Media: A Wigner Measure Approach. <i>Foundations of Computational Mathematics</i> , <b>2015</b> , 15, 1571-1636	2.7	8
120	Large-time asymptotics, vanishing viscosity and numerics for 1-D scalar conservation laws. <i>Mathematics of Computation</i> , <b>2014</b> , 84, 1633-1662	1.6	8
119	Improved Multipolar Hardy Inequalities <b>2013</b> , 35-52		8
118	High frequency wave packets for the Schrödinger equation and its numerical approximations. <i>Comptes Rendus Mathematique</i> , <b>2011</b> , 349, 105-110	0.4	8
117	Regularity issues for the null-controllability of the linear 1-d heat equation. <i>Systems and Control Letters</i> , <b>2011</b> , 60, 406-413	2.4	8
116	Time discrete wave equations: Boundary observability and control. <i>Discrete and Continuous Dynamical Systems</i> , <b>2008</b> , 23, 571-604	2	8
115	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> , <b>2002</b> , 36, 657-691	1.8	8

114	Decay rates for elastic-thermoelastic star-shaped networks. <i>Networks and Heterogeneous Media</i> , <b>2017</b> , 12, 461-488	1.6	8
113	Asymptotic behavior and control of a guidance by repulsion model. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2020</b> , 30, 765-804	3.5	7
112	A Stochastic Approach to the Synchronization of Coupled Oscillators. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	7
111	Finite Difference Approximation of Homogenization Problems for Elliptic Equations. <i>Multiscale Modeling and Simulation</i> , <b>2005</b> , 4, 36-87	1.8	7
110	Spectral boundary controllability of networks of strings. <i>Comptes Rendus Mathematique</i> , <b>2002</b> , 334, 545-550	5.4	7
109	Large Time Behavior for a Simplified N-Dimensional Model of Fluid-Solid Interaction. <i>Communications in Partial Differential Equations</i> , <b>2005</b> , 30, 377-417	1.6	7
108	Asymptotic Analysis of a Multidimensional Vibrating Structure. <i>SIAM Journal on Mathematical Analysis</i> , <b>1994</b> , 25, 836-858	1.7	7
107	On the Optimality of the Observability Inequalities for Kirchhoff Plate Systems with Potentials in Unbounded Domains <b>2008</b> , 233-243		7
106	Optimal strategies for driving a mobile agent in a guidance by repulsion model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2016</b> , 39, 58-72	3.7	7
105	Shape turnpike for linear parabolic PDE models. <i>Systems and Control Letters</i> , <b>2020</b> , 142, 104733	2.4	6
104	On the Quadratic Finite Element Approximation of 1D Waves: Propagation, Observation, Control, and Numerical Implementation <b>2013</b> , 75-99		6
103	Convergence rates for dispersive approximation schemes to nonlinear Schrödinger equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2012</b> , 98, 479-517	1.7	6
102	On the regularity of null-controls of the linear 1-d heat equation. <i>Comptes Rendus Mathematique</i> , <b>2011</b> , 349, 673-677	0.4	6
101	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> , <b>1997</b> , 2, 17-53		6
100	On the cost of controlling unstable systems: The case of boundary controls. <i>Journal D'Analyse Mathematique</i> , <b>1997</b> , 73, 225-249	0.8	6
99	Contrôlabilité exacte des approximations de Galerkin des équations de Navier-Stokes. <i>Comptes Rendus Mathematique</i> , <b>1997</b> , 324, 1015-1021		6
98	Contrôlabilité de l'équation des ondes à densité rapidement oscillante à une dimension d'espace. <i>Comptes Rendus Mathematique</i> , <b>1997</b> , 324, 1237-1242		6
97	Some Problems and Results on the Controllability of Partial Differential Equations <b>1998</b> , 276-311		6

96	Exact controllability and asymptotic limit for thin plates. <i>Asymptotic Analysis</i> , <b>1996</b> , 12, 213-252	0.7	6
95	Decay rates for $\delta$ -heat-wave planar networks. <i>Networks and Heterogeneous Media</i> , <b>2016</b> , 11, 655-692	1.6	6
94	Filtered Gradient Algorithms for Inverse Design Problems of One-Dimensional Burgers Equation. <i>Springer INdAM Series</i> , <b>2017</b> , 197-227	0.4	6
93	Uniform Exponential Decay for Viscous Damped Systems* <b>2009</b> , 95-112		6
92	Some Results and Open Problems on the Controllability of Linear and Semilinear Heat Equations <b>2001</b> , 191-211		6
91	Sensitivity analysis of steady forced scalar conservation laws. <i>Journal of Differential Equations</i> , <b>2013</b> , 254, 3817-3834	2.1	5
90	Control of 2D scalar conservation laws in the presence of shocks. <i>Mathematics of Computation</i> , <b>2015</b> , 85, 1183-1224	1.6	5
89	Approximating travelling waves by equilibria of non-local equations. <i>Asymptotic Analysis</i> , <b>2012</b> , 78, 145-186	1.6	5
88	Approximation par éléments finis de problèmes elliptiques d'optimisation de forme. <i>Comptes Rendus Mathématique</i> , <b>2004</b> , 338, 729-734	0.4	5
87	The energy decay rate for the modified Von Kármán system of thermoelastic plates: An improvement. <i>Applied Mathematics Letters</i> , <b>2003</b> , 16, 531-534	3.5	5
86	On the best observation of wave and Schrödinger equations in quantum ergodic billiards. <i>Journées Équations Aux Dérivées Partielles</i> , <b>2012</b> , 1-13		5
85	Control under constraints for multi-dimensional reaction-diffusion monostable and bistable equations. <i>Journal Des Mathématiques Pures Et Appliquées</i> , <b>2020</b> , 143, 345-375	1.7	5
84	Model predictive control with random batch methods for a guiding problem. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2021</b> , 31, 1569-1592	3.5	5
83	The turnpike property in nonlinear optimal control : A geometric approach <b>2019</b> ,		5
82	Local Regularity for Fractional Heat Equations. <i>SEMA SIMAI Springer Series</i> , <b>2018</b> , 233-249	0.2	5
81	Optimal Control and Vanishing Viscosity for the Burgers Equation <b>2010</b> , 65-90		5
80	A Two-Dimensional Blea on the Elephant Phenomenon and its Numerical Visualization. <i>Multiscale Modeling and Simulation</i> , <b>2019</b> , 17, 137-166	1.8	4
79	Controllability Under Positivity Constraints of Multi-d Wave Equations. <i>Springer INdAM Series</i> , <b>2019</b> , 195-232	2.3	4

78	Recovery of an initial temperature from discrete sampling. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2014</b> , 24, 2487-2501	3.5	4
77	Control of Partial Differential Equations. <i>Lecture Notes in Mathematics</i> , <b>2012</b> ,	0.4	4
76	Uniform null-controllability for the one-dimensional heat equation with rapidly oscillating coefficients. <i>Comptes Rendus Mathematique</i> , <b>1998</b> , 326, 955-960		4
75	On a Constrained Approximate Controllability Problem for the Heat Equation. <i>Journal of Optimization Theory and Applications</i> , <b>2001</b> , 108, 29-64	1.6	4
74	A Uniqueness Result for the Linear System of Elasticity and Its Control Theoretical Consequences. <i>SIAM Journal on Control and Optimization</i> , <b>1996</b> , 34, 1473-1495	1.9	4
73	Self-similar solutions for a convection-diffusion equation with absorption in $\mathbb{R}^N$ . <i>Israel Journal of Mathematics</i> , <b>1991</b> , 74, 47-64	0.8	4
72	Super-solutions of eigenvalue problems and the oscillation properties of second order evolution equations. <i>Journal of Differential Equations</i> , <b>1988</b> , 74, 11-28	2.1	4
71	Existence, uniqueness and controllability for parabolic equations in non-cylindrical domains <b>2002</b> , 23,		4
70	Numerical aspects of sonic-boom minimization. <i>Contemporary Mathematics</i> , <b>2016</b> , 267-279	1.6	4
69	Controllability of shadow reaction-diffusion systems. <i>Journal of Differential Equations</i> , <b>2020</b> , 268, 3781-3818		4
68	Turnpike in optimal shape design. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 496-501	0.7	4
67	Nonnegative control of finite-dimensional linear systems. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2021</b> , 38, 301-346	1.6	4
66	On the Density of the Range of the Semigroup for Semilinear Heat Equations. <i>The IMA Volumes in Mathematics and Its Applications</i> , <b>1995</b> , 73-91	0.5	4
65	Spectral shape optimization for the Neumann traces of the Dirichlet-Laplacian eigenfunctions. <i>Calculus of Variations and Partial Differential Equations</i> , <b>2019</b> , 58, 1	1.5	3
64	Full probabilistic solution of a finite dimensional linear control system with random initial and final conditions. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 8156-8180	4	3
63	Numerical approximation schemes for multi-dimensional wave equations in asymmetric spaces. <i>Mathematics of Computation</i> , <b>2014</b> , 84, 119-152	1.6	3
62	Continuous Adjoint Approach for the Spalart-Allmaras Model in Aerodynamic Optimization <b>2011</b> ,		3
61	On the Nonexistence of Some Special Eigenfunctions for the Dirichlet Laplacian and the Lamé System. <i>Journal of Elasticity</i> , <b>1998</b> , 52, 111-120	1.5	3



60	Null controllability of the 1D heat equation as limit of the controllability of dissipative wave equations. <i>Comptes Rendus Mathematique</i> , <b>1998</b> , 327, 753-758		3
59	2D Euler Shape Design on Non-Regular Flows Using Adjoint Rankine-Hugoniot Relations <b>2008</b> ,		3
58	A Systematic Continuous Adjoint Approach to Viscous Aerodynamic Design on Unstructured Grids <b>2006</b> ,		3
57	Approximate Boundary Controllability for the Wave Equation in Perforated Domains. <i>SIAM Journal on Control and Optimization</i> , <b>1994</b> , 32, 35-50	1.9	3
56	Tracking Control of 1D Scalar Conservation Laws in the Presence of Shocks. <i>Springer INdAM Series</i> , <b>2014</b> , 195-219	0.4	3
55	The Inverse Problem for Hamilton--Jacobi Equations and Semiconcave Envelopes. <i>SIAM Journal on Mathematical Analysis</i> , <b>2020</b> , 52, 5627-5657	1.7	3
54	Randomised observation, control and stabilization of waves. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , <b>2016</b> , 96, 538-549	1	3
53	Controllability of One-Dimensional Viscous Free Boundary Flows. <i>SIAM Journal on Control and Optimization</i> , <b>2021</b> , 59, 1830-1850	1.9	3
52	Transmutation techniques and observability for time-discrete approximation schemes of conservative systems. <i>Numerische Mathematik</i> , <b>2015</b> , 130, 425-466	2.2	2
51	Propagation of One- and Two-Dimensional Discrete Waves Under Finite Difference Approximation. <i>Foundations of Computational Mathematics</i> , <b>2020</b> , 20, 1401-1438	2.7	2
50	Asymptotic expansions for anisotropic heat kernels. <i>Journal of Evolution Equations</i> , <b>2013</b> , 13, 1-20	1.2	2
49	When the 'Exact' Discrete Gradient is not the Best Choice in Optimal Shape Design <b>2011</b> ,		2
48	Addendum to "Concentration and Lack of Observability of Waves in Highly Heterogeneous Media" <i>Archive for Rational Mechanics and Analysis</i> , <b>2007</b> , 185, 365-377	2.3	2
47	On a Constrained Approximate Controllability Problem for the Heat Equation: Addendum. <i>Journal of Optimization Theory and Applications</i> , <b>2003</b> , 118, 183-190	1.6	2
46	Approximate controllability for the wave equation. <i>Lecture Notes in Control and Information Sciences</i> , <b>1992</b> , 118-124	0.5	2
45	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> , <b>2014</b> , 285-324	0.3	2
44	A remark on the observability of conservative linear systems. <i>Contemporary Mathematics</i> , <b>2012</b> , 47-59	1.6	2
43	Norm saturating property of time optimal controls for wave-type equations. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 37-42	0.7	2



42	Turnpike in Lipschitz nonlinear optimal control. <i>Nonlinearity</i> , <b>2022</b> , 35, 1652-1701	1.7	2
41	Asymptotics and stabilization for dynamic models of nonlinear beams. <i>Proceedings of the Estonian Academy of Sciences</i> , <b>2010</b> , 59, 150	1.6	1
40	Exact Controllability of the Time Discrete Wave Equation: A Multiplier Approach. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2010</b> , 229-245	0.4	1
39	Controllability of Nonlinear Partial Differential Equations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2003</b> , 36, 239-243		1
38	Addendum to "Generic Simplicity of the Spectrum and Stabilization for a Plate Equation". <i>SIAM Journal on Control and Optimization</i> , <b>2003</b> , 42, 1905-1910	1.9	1
37	Finite Element Approximation of Wild Optimal Shapes <b>2004</b> ,		1
36	Uniform observability of the wave equation via a discrete Ingham inequality		1
35	On a one-dimensional version of the dynamical Marguerre-Vlasov system. <i>Sociedade Brasileira De Matematica Boletim, Nova Serie</i> , <b>2001</b> , 32, 303-319		1
34	PARABOLIC SINGULAR LIMIT OF A WAVE EQUATION WITH LOCALIZED INTERIOR DAMPING. <i>Communications in Contemporary Mathematics</i> , <b>2001</b> , 03, 215-257	1.1	1
33	Linear projection-based CEST parameter estimation.. <i>NMR in Biomedicine</i> , <b>2022</b> , e4697	4.4	1
32	Flow decomposition for heat equations with memory. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2021</b> , 158, 183-183	1.7	1
31	Sidewise Profile Control of 1-D Waves. <i>Journal of Optimization Theory and Applications</i> , 1	1.6	1
30	Classical System Theory Revisited for Turnpike in Standard State Space Systems and Impulse Controllable Descriptor Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2021</b> , 59, 3600-3624	1.9	1
29	The turnpike property in nonlinear optimal control: a geometric approach. <i>Automatica</i> , <b>2021</b> , 134, 109939	3.7	1
28	A Parabolic Approach to the Control of Opinion Spreading. <i>Mathematics of Planet Earth</i> , <b>2019</b> , 343-363	0.4	1
27	Averaged dynamics and control for heat equations with random diffusion. <i>Systems and Control Letters</i> , <b>2021</b> , 158, 105055	2.4	1
26	Controllability of the Linear System of Thermoelasticity: Dirichlet-Neumann Boundary Conditions <b>1994</b> , 391-402		1
25	Finite Element Approximation of 2D Parabolic Optimal Design Problems <b>2006</b> , 151-176		1

24	A 2-Grid Algorithm for the 1-d Wave Equation <b>2003</b> , 213-217		1
23	On a Weakly Damped System Arising in the Control of Noise <b>1998</b> , 207-222		1
22	Lipschitz dependence of the coefficients on the resolvent and greedy approximation for scalar elliptic problems. <i>Comptes Rendus Mathematique</i> , <b>2016</b> , 354, 1174-1187	0.4	1
21	Initial data identification for the one-dimensional Burgers equation. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	1
20	Numerical Approximation of Exact Controls for Waves. <i>SpringerBriefs in Mathematics</i> , <b>2013</b> , 1-48	0.6	1
19	The Vlasov-Bokker-Planck equation with high dimensional parametric forcing term. <i>Numerische Mathematik</i> , <b>2022</b> , 150, 479-519	2.2	0
18	Sparse source identification of linear diffusion-advection equations by adjoint methods. <i>Systems and Control Letters</i> , <b>2020</b> , 145, 104801	2.4	0
17	The Finite-Time Turnpike Phenomenon for Optimal Control Problems: Stabilization by Non-smooth Tracking Terms. <i>SEMA SIMAI Springer Series</i> , <b>2021</b> , 17-41	0.2	0
16	Control and numerical approximation of fractional diffusion equations. <i>Handbook of Numerical Analysis</i> , <b>2022</b> , 1-58	1	0
15	Interpolation and approximation via Momentum ResNets and Neural ODEs. <i>Systems and Control Letters</i> , <b>2022</b> , 162, 105182	2.4	0
14	Dispersion for 1-D Schrödinger and wave equations with BV coefficients. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2016</b> , 33, 1473-1495	1.6	
13	Adjoint computational methods for 2D inverse design of linear transport equations on unstructured grids. <i>Computational and Applied Mathematics</i> , <b>2019</b> , 38, 1	2.4	
12	On a nonlocal moving frame approximation of traveling waves. <i>Comptes Rendus Mathematique</i> , <b>2011</b> , 349, 753-758	0.4	
11	Control of Weakly Blowing up Semilinear Heat Equations <b>2002</b> , 127-148		
10	Large Time Asymptotics in Contaminant Transport in Porous Media with Variable Diffusion <b>2001</b> , 317-325		
9	On the Control of Coupled Linear Systems <b>1998</b> , 183-189		
8	Further Comments and Open Problems. <i>SpringerBriefs in Mathematics</i> , <b>2013</b> , 115-118	0.6	
7	Discontinuous Galerkin Approximations and Main Results. <i>SpringerBriefs in Mathematics</i> , <b>2014</b> , 15-25	0.6	

6	Comments and Open Problems. <i>SpringerBriefs in Mathematics</i> , <b>2014</b> , 93-95	0.6
5	Extensions to Other Numerical Approximation Schemes. <i>SpringerBriefs in Mathematics</i> , <b>2014</b> , 83-91	0.6
4	Filtering Mechanisms. <i>SpringerBriefs in Mathematics</i> , <b>2014</b> , 51-81	0.6
3	Fourier Analysis of the Discontinuous Galerkin Methods. <i>SpringerBriefs in Mathematics</i> , <b>2014</b> , 31-39	0.6
2	On the Lack of Uniform Observability for Discontinuous Galerkin Approximations of Waves. <i>SpringerBriefs in Mathematics</i> , <b>2014</b> , 41-50	0.6
1	A framework for randomized time-splitting in linear-quadratic optimal control. <i>Numerische Mathematik</i> , <b>1</b>	2.2