

Piermarco Cannarsa

List of Publications by Citations

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171
papers

4,012
citations

31
h-index

59
g-index

179
ext. papers

4,484
ext. citations

1.6
avg, IF

5.32
L-index

#	Paper	IF	Citations
171	The Alpha Magnetic Spectrometer (AMS) on the International Space Station: Part I [Results from the test flight on the space shuttle. <i>Physics Reports</i> , 2002 , 366, 331-405	27.7	328
170	Semiconcave Functions, Hamilton-Jacobi Equations, and Optimal Control 2004 ,		258
169	Cosmic-ray positron fraction measurement from 1 to 30 GeV with AMS-01. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 646, 145-154	4.2	255
168	Cosmic protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 490, 27-35	4.2	236
167	Leptons in near earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 484, 10-22	4.2	198
166	Decay estimates for second order evolution equations with memory. <i>Journal of Functional Analysis</i> , 2008 , 254, 1342-1372	1.4	144
165	Protons in near earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 472, 215-226	4.2	142
164	Helium in near Earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 494, 193-202	4.2	136
163	Carleman Estimates for a Class of Degenerate Parabolic Operators. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 1-19	1.9	111
162	Search for antihelium in cosmic rays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 461, 387-396	4.2	100
161	Carleman estimates for degenerate parabolic operators with applications to null controllability. <i>Journal of Evolution Equations</i> , 2006 , 6, 161-204	1.2	99
160	A general method for proving sharp energy decay rates for memory-dissipative evolution equations. <i>Comptes Rendus Mathematique</i> , 2009 , 347, 867-872	0.4	89
159	Indirect internal stabilization of weakly coupled evolution equations. <i>Journal of Evolution Equations</i> , 2002 , 2, 127-150	1.2	87
158	Some Characterizations of Optimal Trajectories in Control Theory. <i>SIAM Journal on Control and Optimization</i> , 1991 , 29, 1322-1347	1.9	79
157	On the singularities of convex functions. <i>Manuscripta Mathematica</i> , 1992 , 76, 421-435	0.5	63
156	Persistent regional null controllability for a class of degenerate parabolic equations. <i>Communications on Pure and Applied Analysis</i> , 2004 , 3, 607-635	1.9	57
155	. <i>Indiana University Mathematics Journal</i> , 1987 , 36, 501	0.6	49

154	Convexity properties of the minimum time function. <i>Calculus of Variations and Partial Differential Equations</i> , 1995 , 3, 273-298	1.5	46
153	Controllability results for a class of one-dimensional degenerate parabolic problems in nondivergence form. <i>Journal of Evolution Equations</i> , 2008 , 8, 583-616	1.2	44
152	Semiconcavity results for optimal control problems admitting no singular minimizing controls. <i>Annales De L'institut Henri Poincare (C) Analyse Non Lineaire</i> , 2008 , 25, 773-802	1.6	44
151	Determination of source terms in a degenerate parabolic equation. <i>Inverse Problems</i> , 2010 , 26, 105003	2.3	43
150	Null controllability of degenerate parabolic operators with drift. <i>Networks and Heterogeneous Media</i> , 2007 , 2, 695-715	1.6	42
149	RELATIVE COMPOSITION AND ENERGY SPECTRA OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. <i>Astrophysical Journal</i> , 2010 , 724, 329-340	4.7	41
148	Global solutions of abstract semilinear parabolic equations with memory terms. <i>Nonlinear Differential Equations and Applications</i> , 2003 , 10, 399-430	0.8	38
147	Second-Order Hamilton-Jacobi Equations in Infinite Dimensions. <i>SIAM Journal on Control and Optimization</i> , 1991 , 29, 474-492	1.9	36
146	Integro-differential equations of hyperbolic type with positive definite kernels. <i>Journal of Differential Equations</i> , 2011 , 250, 4289-4335	2.1	33
145	ISOTOPIC COMPOSITION OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. <i>Astrophysical Journal</i> , 2011 , 736, 105	4.7	33
144	Propagation of Singularities¶for Solutions of Nonlinear First Order¶Partial Differential Equations. <i>Archive for Rational Mechanics and Analysis</i> , 2002 , 162, 1-23	2.3	33
143	Regional controllability of semilinear degenerate parabolic equations in bounded domains. <i>Journal of Mathematical Analysis and Applications</i> , 2006 , 320, 804-818	1.1	32
142	The Alpha Magnetic Spectrometer (AMS). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 478, 119-122	1.2	32
141	Regularity Results for Solutions of a Class of Hamilton-Jacobi Equations. <i>Archive for Rational Mechanics and Analysis</i> , 1997 , 140, 197-223	2.3	31
140	Generalized one-sided estimates for solutions of Hamilton-Jacobi equations and applications. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1989 , 13, 305-323	1.3	29
139	Generation of Analytic Semigroups by Elliptic Operators with Unbounded Coefficients. <i>SIAM Journal on Mathematical Analysis</i> , 1987 , 18, 857-872	1.7	29
138	Interior sphere property of attainable sets and time optimal control problems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2006 , 12, 350-370	1	27
137	Null controllability of Grushin-type operators in dimension two. <i>Journal of the European Mathematical Society</i> , 2014 , 16, 67-101	1.8	26

136	Singular gradient flow of the distance function and homotopy equivalence. <i>Mathematische Annalen</i> , 2013 , 356, 23-43	1	25
135	Singular Dynamics for Semiconcave Functions. <i>Journal of the European Mathematical Society</i> , 2009 , 999-1024	1.8	25
134	Representation of equilibrium solutions to the table problem of growing sandpiles. <i>Journal of the European Mathematical Society</i> , 2004 , 435-464	1.8	24
133	Carleman estimates and null controllability for boundary-degenerate parabolic operators. <i>Comptes Rendus Mathematique</i> , 2009 , 347, 147-152	0.4	23
132	Value function and optimality conditions for semilinear control problems. <i>Applied Mathematics and Optimization</i> , 1992 , 26, 139-169	1.5	21
131	The damped wave equation in a moving domain. <i>Journal of Differential Equations</i> , 1990 , 85, 1-16	2.1	20
130	Status of the construction of the CMS magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2004 , 14, 542-547	1.8	19
129	A boundary value problem for a PDE model in mass transfer theory: Representation of solutions and applications. <i>Calculus of Variations and Partial Differential Equations</i> , 2005 , 24, 431-457	1.5	19
128	GLOBAL CARLEMAN ESTIMATES FOR DEGENERATE PARABOLIC OPERATORS WITH APPLICATIONS. <i>Memoirs of the American Mathematical Society</i> , 2016 , 239, 0-0	1.5	19
127	Infinite-Dimensional Hamilton-Jacobi Equations and Dirichlet Boundary Control Problems of Parabolic Type. <i>SIAM Journal on Control and Optimization</i> , 1996 , 34, 1831-1847	1.9	18
126	A Dynamic Programming Approach to Nonlinear Boundary Control Problems of Parabolic Type. <i>Journal of Functional Analysis</i> , 1993 , 117, 25-61	1.4	18
125	Generation of analytic semigroups in the L^p topology by elliptic operators in \mathbb{R}^n . <i>Israel Journal of Mathematics</i> , 1988 , 61, 235-255	0.8	18
124	On the topology of the set of singularities of a solution to the Hamilton-Jacobi equation. <i>Comptes Rendus Mathematique</i> , 2017 , 355, 176-180	0.4	16
123	On the Bellman Equation for the Minimum Time Problem in Infinite Dimensions. <i>SIAM Journal on Control and Optimization</i> , 2004 , 43, 532-548	1.9	16
122	Status of the CMS magnet (MT17). <i>IEEE Transactions on Applied Superconductivity</i> , 2002 , 12, 385-390	1.8	16
121	Optimality Conditions and Synthesis for the Minimum Time Problem. <i>Set-Valued and Variational Analysis</i> , 2000 , 8, 127-148		16
120	Semiconcavity for optimal control problems with exit time. <i>Discrete and Continuous Dynamical Systems</i> , 2000 , 6, 975-997	2	16
119	Multiplicative controllability for semilinear reaction-diffusion equations with finitely many changes of sign. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2017 , 108, 425-458	1.7	15

118	Unique continuation and approximate controllability for a degenerate parabolic equation. <i>Applicable Analysis</i> , 2012 , 91, 1409-1425	0.8	15
117	The cost of controlling weakly degenerate parabolic equations by boundary controls. <i>Mathematical Control and Related Fields</i> , 2017 , 7, 171-211	1.5	15
116	Convexity properties of the minimum time function 1995 , 3, 273		15
115	Vanishing Discount Limit and Nonexpansive Optimal Control and Differential Games. <i>SIAM Journal on Control and Optimization</i> , 2015 , 53, 1789-1814	1.9	14
114	A boundary-value problem for Hamilton-Jacobi equations in hilbert spaces. <i>Applied Mathematics and Optimization</i> , 1991 , 24, 197-220	1.5	14
113	From pointwise to local regularity for solutions of Hamilton-Jacobi equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2014 , 49, 1061-1074	1.5	13
112	On a Differential Model for Growing Sandpiles with Non-Regular Sources. <i>Communications in Partial Differential Equations</i> , 2009 , 34, 656-675	1.6	13
111	On a Functional Analysis Approach to Parabolic Equations in Infinite Dimensions. <i>Journal of Functional Analysis</i> , 1993 , 118, 22-42	1.4	13
110	Some results on non-linear optimal control problems and Hamilton-Jacobi equations in infinite dimensions. <i>Journal of Functional Analysis</i> , 1990 , 90, 27-47	1.4	13
109	Inverse source problem and null controllability for multidimensional parabolic operators of Grushin type. <i>Inverse Problems</i> , 2014 , 30, 025006	2.3	12
108	Propagation of Singularities for Weak KAM Solutions and Barrier Functions. <i>Communications in Mathematical Physics</i> , 2014 , 331, 1-20	2	12
107	Local regularity of the value function in optimal control. <i>Systems and Control Letters</i> , 2013 , 62, 791-794	2.4	12
106	Generalized characteristics and Lax-Oleinik operators: global theory. <i>Calculus of Variations and Partial Differential Equations</i> , 2017 , 56, 1	1.5	12
105	Nonlinear Optimal Control with Infinite Horizon for Distributed Parameter Systems and Stationary Hamilton-Jacobi Equations. <i>SIAM Journal on Control and Optimization</i> , 1989 , 27, 861-875	1.9	12
104	Indirect stabilization of weakly coupled systems with hybrid boundary conditions. <i>Mathematical Control and Related Fields</i> , 2011 , 1, 413-436	1.5	12
103	Control and Stabilization of Degenerate Wave Equations. <i>SIAM Journal on Control and Optimization</i> , 2017 , 55, 2052-2087	1.9	11
102	Multiplicative controllability for reaction-diffusion equations with target states admitting finitely many changes of sign. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2010 , 14, 1293-1311	1.3	11
101	Semilinear Integrodifferential Equations of Hyperbolic Type: Existence in the Large. <i>Mediterranean Journal of Mathematics</i> , 2004 , 1, 151	0.9	11

100	One-sided and internal controllability of semilinear wave equations with infinitely iterated logarithms. <i>Discrete and Continuous Dynamical Systems</i> , 2002 , 8, 745-756	2	11
99	Inverse coefficient problems for a transport equation by local Carleman estimate. <i>Inverse Problems</i> , 2019 , 35, 105013	2.3	10
98	Value function, relaxation, and transversality conditions in infinite horizon optimal control. <i>Journal of Mathematical Analysis and Applications</i> , 2018 , 457, 1188-1217	1.1	10
97	Exterior Sphere Condition and Time Optimal Control for Differential Inclusions. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 2558-2576	1.9	10
96	Existence and Uniqueness for Mean Field Games with State Constraints. <i>Springer INdAM Series</i> , 2018 , 49-71	0.4	10
95	Null controllability of the heat equation in unbounded domains by a finite measure control region. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2004 , 10, 381-408	1	9
94	On a class of nonlinear time optimal control problems. <i>Discrete and Continuous Dynamical Systems</i> , 1995 , 1, 285-300	2	9
93	Heat equation on the Heisenberg group: Observability and applications. <i>Journal of Differential Equations</i> , 2017 , 262, 4475-4521	2.1	8
92	Second-Order Sensitivity Relations and Regularity of the Value Function for Mayer's Problem in Optimal Control. <i>SIAM Journal on Control and Optimization</i> , 2015 , 53, 3642-3672	1.9	8
91	Optimality conditions and regularity results for time optimal control problems with differential inclusions. <i>Journal of Mathematical Analysis and Applications</i> , 2015 , 427, 202-228	1.1	8
90	Semiconcavity of the value function for a class of differential inclusions. <i>Discrete and Continuous Dynamical Systems</i> , 2011 , 29, 453-466	2	8
89	Regularity of Hamilton-Jacobi equations when forward is backward. <i>Indiana University Mathematics Journal</i> , 1999 , 48, 0-0	0.6	8
88	Value function and optimality condition for semilinear control problems. II: Parabolic case. <i>Applied Mathematics and Optimization</i> , 1996 , 33, 1-33	1.5	8
87	Global propagation of singularities for time dependent Hamilton-Jacobi equations. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 35, 4225-4239	2	8
86	C ¹ ;1-smoothness of constrained solutions in the calculus of variations with application to mean field games. <i>Mathematics in Engineering</i> , 2018 , 1, 174-203	1.2	8
85	Herglotz' variational principle and Lax-Oleinik evolution. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2020 , 141, 99-136	1.7	8
84	Well-posedness of 2-D and 3-D swimming models in incompressible fluids governed by Navier-Stokes equations. <i>Journal of Mathematical Analysis and Applications</i> , 2015 , 429, 1059-1085	1.1	7
83	Quantitative Compactness Estimates for Hamilton-Jacobi Equations. <i>Archive for Rational Mechanics and Analysis</i> , 2016 , 219, 793-828	2.3	7

82	Optimal control for evolution equations with memory. <i>Journal of Evolution Equations</i> , 2013 , 13, 197-227	1.2	7
81	Lipschitz continuity and local semiconcavity for exit time problems with state constraints. <i>Journal of Differential Equations</i> , 2008 , 245, 616-636	2.1	7
80	Linear Degenerate Parabolic Equations in Bounded Domains: Controllability and Observability 2005 , 163-173		7
79	Dynamical shape control of the heat equation. <i>Systems and Control Letters</i> , 1989 , 12, 103-109	2.4	7
78	Regularity results for the minimum time function with Hörmander vector fields. <i>Journal of Differential Equations</i> , 2018 , 264, 3312-3335	2.1	7
77	Homoclinic orbits and critical points of barrier functions. <i>Nonlinearity</i> , 2015 , 28, 1823-1840	1.7	6
76	Observability Inequalities for Transport Equations through Carleman Estimates. <i>Springer INdAM Series</i> , 2019 , 69-87	0.4	6
75	Existence and Lipschitz regularity of solutions to Bolza problems in optimal control. <i>Transactions of the American Mathematical Society</i> , 2009 , 361, 4491-4517	1	6
74	Invariant measures associated to degenerate elliptic operators. <i>Indiana University Mathematics Journal</i> , 2010 , 59, 53-78	0.6	6
73	Lipschitz continuity and semiconcavity properties of the value function of a stochastic control problem. <i>Nonlinear Differential Equations and Applications</i> , 2010 , 17, 715-728	0.8	6
72	Hölder regularity of the normal distance with an application to a PDE model for growing sandpiles. <i>Transactions of the American Mathematical Society</i> , 2007 , 359, 2741-2775	1	6
71	Analytic semigroups generated by non-variational elliptic systems of second order under Dirichlet boundary conditions. <i>Journal of Mathematical Analysis and Applications</i> , 1985 , 112, 56-103	1.1	6
70	Necessary conditions for infinite horizon optimal control problems with state constraints. <i>Mathematical Control and Related Fields</i> , 2018 , 8, 535-555	1.5	6
69	Herglotz-Γ Generalized Variational Principle and Contact Type Hamilton-Jacobi Equations. <i>Springer INdAM Series</i> , 2019 , 39-67	0.4	6
68	The dual arc inclusion with differential inclusions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2013 , 79, 176-189	1.3	5
67	Unbounded components of the singular set of the distance function in \mathbb{R}^n . <i>Transactions of the American Mathematical Society</i> , 2001 , 353, 4567-4581	1	5
66	A semigroup approach to Kolmogoroff equations in Hilbert spaces. <i>Applied Mathematics Letters</i> , 1991 , 4, 49-52	3.5	5
65	Analytic semigroups generated on Hölder spaces by second order elliptic systems under Dirichlet boundary conditions. <i>Annali Di Matematica Pura Ed Applicata</i> , 1985 , 140, 393-415	0.8	5

64	Existence and uniqueness of solutions to a class of stochastic partial differential equations. <i>Stochastic Analysis and Applications</i> , 1985 , 3, 315-339	1.1	5
63	A stability result for a class of nonlinear integrodifferential equations with L1 kernels. <i>Applicaciones Mathematicae</i> , 2008 , 35, 395-430	2	5
62	Global Generalized Characteristics for the Dirichlet Problem for Hamilton--Jacobi Equations at a Supercritical Energy Level. <i>SIAM Journal on Mathematical Analysis</i> , 2019 , 51, 4213-4244	1.7	5
61	Dynamic and asymptotic behavior of singularities of certain weak KAM solutions on the torus. <i>Journal of Differential Equations</i> , 2019 , 267, 2448-2470	2.1	4
60	Nulle contrôlabilité régionale pour des équations de la chaleur dégénérées. <i>Comptes Rendus - Mécanique</i> , 2002 , 330, 397-401	2.1	4
59	Regularity Results for the Minimum Time Function of a Class of Semilinear Evolution Equations of Parabolic Type. <i>SIAM Journal on Control and Optimization</i> , 2000 , 38, 916-946	1.9	4
58	Mean field games with state constraints: from mild to pointwise solutions of the PDE system. <i>Calculus of Variations and Partial Differential Equations</i> , 2021 , 60, 1	1.5	4
57	Singularities of Semiconcave Functions in Banach Spaces 1999 , 171-190		4
56	Conjugate Times and Regularity of the Minimum Time Function with Differential Inclusions. <i>Springer INdAM Series</i> , 2015 , 85-110	0.4	3
55	Sensitivity relations for the Mayer problem with differential inclusions. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2015 , 21, 789-814	1	3
54	On Bolza optimal control problems with constraints. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2009 , 11, 629-653	1.3	3
53	1990 ,		3
52	Existence and uniqueness results for a non linear stochastic partial differential equation. <i>Lecture Notes in Mathematics</i> , 1987 , 1-24	0.4	3
51	Superexponential Stabilizability of Degenerate Parabolic Equations via Bilinear Control. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020 , 31-45	0.2	3
50	Local singular characteristics on. <i>Bolletino Dell Unione Matematica Italiana</i> , 2021 , 14, 1-22	0.6	3
49	Null Controllability for Parabolic Operators with Interior Degeneracy and One-Sided Control. <i>SIAM Journal on Control and Optimization</i> , 2019 , 57, 900-924	1.9	2
48	Introduction to Measure Theory and Functional Analysis 2015 ,		2
47	Micromotions and controllability of a swimming model in an incompressible fluid governed by 2-D or 3-D Navier-Stokes equations. <i>Journal of Mathematical Analysis and Applications</i> , 2018 , 465, 100-124	1.1	2

46	Invariance for quasi-dissipative systems in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2018 , 457, 1173-1187	1.1	2
45	Partial regularity for solutions to subelliptic eikonal equations. <i>Comptes Rendus Mathematique</i> , 2018 , 356, 172-176	0.4	2
44	Stochastic viability for regular closed sets in Hilbert spaces. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2011 , 337-346	0.7	2
43	Hölder estimates in space-time for viscosity solutions of hamilton-jacobi equations. <i>Communications on Pure and Applied Mathematics</i> , 2010 , 63, NA-NA	2.5	2
42	Propagation of Singularities for Concave Solutions of Hamilton-Jacobi Equations 2000 , 583-588		2
41	REGULARITY PROPERTIES OF ATTAINABLE SETS UNDER STATE CONSTRAINTS. <i>Series on Advances in Mathematics for Applied Sciences</i> , 2008 , 120-135		2
40	Precise estimates for biorthogonal families under asymptotic gap conditions. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018 , 1-32	2.8	2
39	Weak KAM Approach to First-Order Mean Field Games with State Constraints. <i>Journal of Dynamics and Differential Equations</i> ,1	1.3	2
38	Parameter Determination for Energy Balance Models with Memory. <i>Springer INdAM Series</i> , 2020 , 83-130	0.4	2
37	On the Behaviour of the Value Function of a Mayer Optimal Control Problem along Optimal Trajectories 1998 , 81-88		2
36	Singularities of Solutions of Hamilton-Jacobi Equations. <i>Milan Journal of Mathematics</i> , 2021 , 89, 187	1	2
35	Singularities of solutions of time dependent Hamilton-Jacobi equations. Applications to Riemannian geometry. <i>Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques</i> , 2021 , 133, 327-366	2.8	2
34	Long-Time Behavior of First-Order Mean Field Games on Euclidean Space. <i>Dynamic Games and Applications</i> , 2020 , 10, 361-390	1.1	2
33	Domain invariance for local solutions of semilinear evolution equations in Hilbert spaces. <i>Journal of the London Mathematical Society</i> , 2020 , 102, 287-318	0.7	2
32	Superexponential stabilizability of evolution equations of parabolic type via bilinear control. <i>Journal of Evolution Equations</i> , 2021 , 21, 941-967	1.2	2
31	Inverse problem of reconstruction of degenerate diffusion coefficient in a parabolic equation. <i>Inverse Problems</i> ,	2.3	2
30	The cost of controlling strongly degenerate parabolic equations. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020 , 26, 2	1	1
29	Infinite horizon optimal control: Transversality conditions and sensitivity relations 2017 ,		1

28	Regularity results for eikonal-type equations with nonsmooth coefficients. <i>Nonlinear Differential Equations and Applications</i> , 2012 , 19, 751-769	0.8	1
27	Minkowski content for reachable sets. <i>Manuscripta Mathematica</i> , 2010 , 131, 507-530	0.5	1
26	A study of cosmic ray secondaries induced by the Mir space station using AMS-01. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 234, 321-332	1.2	1
25	Invariance for stochastic reaction-diffusion equations. <i>Evolution Equations and Control Theory</i> , 2012 , 1, 43-56	2	1
24	Optimality Conditions for Boundary Control Problems of Parabolic Type 1994 , 79-96		1
23	Source Reconstruction by Partial Measurements for a Class of Hyperbolic Systems in Cascade. <i>Springer INdAM Series</i> , 2016 , 35-50	0.4	1
22	Null controllability in large time for the parabolic Grushin operator with singular potential. <i>Springer INdAM Series</i> , 2014 , 87-102	0.4	1
21	Generation of singularities from the initial datum for Hamilton-Jacobi equations. <i>Journal of Differential Equations</i> , 2020 , 268, 1412-1426	2.1	1
20	Semiconcavity results and sensitivity relations for the sub-Riemannian distance. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2019 , 184, 298-320	1.3	0
19	Singularities of the minimum time function for semilinear parabolic systems. <i>ESAIM: Proceedings and Surveys</i> , 1998 , 4, 59-72		0
18	On the extension problem for semiconcave functions with fractional modulus. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2022 , 216, 112669	1.3	0
17	The distance function in the presence of an obstacle. <i>Calculus of Variations and Partial Differential Equations</i> , 2022 , 61, 1	1.5	0
16	Exact controllability to eigensolutions for evolution equations of parabolic type via bilinear control. <i>Nonlinear Differential Equations and Applications</i> , 2022 , 29, 1	0.8	0
15	Positivity of solutions in a perturbed age-structured model. <i>Mathematical Population Studies</i> , 2016 , 23, 3-16	0.8	
14	Maximal regularity for gradient systems with boundary degeneracy. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2015 , 26, 135-149	0.7	
13	Dynamic optimization and forward looking processes. <i>Journal of Economic Dynamics and Control</i> , 1997 , 22, 49-66	1.3	
12	Analysis of a PDE Model for Sandpile Growth 2005 , 41-50		
11	On the smoothness of the value function along optimal trajectories 1992 , 60-81		

- 10 Dynamical Actuators for the Heat Equation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1989**, 22, 229-232
- 9 Two Characterizations of Optimal Trajectories for Meyer Problem. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1989**, 22, 291-295
- 8 Some properties of the value function of a nonlinear control problem in infinite dimensions. *Lecture Notes in Control and Information Sciences*, **1990**, 235-247 0.5
- 7 Exact controllability to eigensolutions of the bilinear heat equation on compact networks. *Discrete and Continuous Dynamical Systems - Series S*, **2022**, 2.8
- 6 Lipschitz Continuity of Optimal Trajectories in Deterministic Optimal Control **2007**, 105-116
- 5 DYNAMICAL ACTUATORS FOR THE HEAT EQUATION **1990**, 229-232
- 4 Second order Hamilton-Jacobi equations in infinite dimensions and stochastic optimal control problems **1992**, 617-629
- 3 Well-posedness of Semilinear Heat Equations with Iterated Logarithms **1999**, 1-11
- 2 A constructive proof of Gibson's stability theorem. *Discrete and Continuous Dynamical Systems - Series S*, **2012**, 6, 611-617 2.8
- 1 Inverse Coefficient Problem for Grushin-Type Parabolic Operators. *Springer INdAM Series*, **2014**, 79-91 0.4