

# Piermarco Cannarsa

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8414611/piermarco-cannarsa-publications-by-year.pdf>

**Version:** 2024-04-23

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.

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	Exact controllability to eigensolutions of the bilinear heat equation on compact networks. <i>Discrete and Continuous Dynamical Systems - Series S</i> , <b>2022</b> ,	2.8	
170	On the extension problem for semiconcave functions with fractional modulus. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2022</b> , 216, 112669	1.3	0
169	The distance function in the presence of an obstacle. <i>Calculus of Variations and Partial Differential Equations</i> , <b>2022</b> , 61, 1	1.5	0
168	Exact controllability to eigensolutions for evolution equations of parabolic type via bilinear control. <i>Nonlinear Differential Equations and Applications</i> , <b>2022</b> , 29, 1	0.8	0
167	Singularities of Solutions of Hamilton-Jacobi Equations. <i>Milan Journal of Mathematics</i> , <b>2021</b> , 89, 187	1	2
166	Mean field games with state constraints: from mild to pointwise solutions of the PDE system. <i>Calculus of Variations and Partial Differential Equations</i> , <b>2021</b> , 60, 1	1.5	4
165	Singularities of solutions of time dependent Hamilton-Jacobi equations. Applications to Riemannian geometry. <i>Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques</i> , <b>2021</b> , 133, 327-366	2.8	2
164	Superexponential stabilizability of evolution equations of parabolic type via bilinear control. <i>Journal of Evolution Equations</i> , <b>2021</b> , 21, 941-967	1.2	2
163	Local singular characteristics on. <i>Bolletino Dell Unione Matematica Italiana</i> , <b>2021</b> , 14, 1-22	0.6	3
162	The cost of controlling strongly degenerate parabolic equations. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2020</b> , 26, 2	1	1
161	Parameter Determination for Energy Balance Models with Memory. <i>Springer INdAM Series</i> , <b>2020</b> , 83-130	0.4	2
160	Superexponential Stabilizability of Degenerate Parabolic Equations via Bilinear Control. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2020</b> , 31-45	0.2	3
159	Generation of singularities from the initial datum for Hamilton-Jacobi equations. <i>Journal of Differential Equations</i> , <b>2020</b> , 268, 1412-1426	2.1	1
158	Herglotz' variational principle and Lax-Oleinik evolution. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2020</b> , 141, 99-136	1.7	8
157	Long-Time Behavior of First-Order Mean Field Games on Euclidean Space. <i>Dynamic Games and Applications</i> , <b>2020</b> , 10, 361-390	1.1	2
156	Domain invariance for local solutions of semilinear evolution equations in Hilbert spaces. <i>Journal of the London Mathematical Society</i> , <b>2020</b> , 102, 287-318	0.7	2
155	Dynamic and asymptotic behavior of singularities of certain weak KAM solutions on the torus. <i>Journal of Differential Equations</i> , <b>2019</b> , 267, 2448-2470	2.1	4

154	Semiconcavity results and sensitivity relations for the sub-Riemannian distance. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2019</b> , 184, 298-320	1.3	0
153	Inverse coefficient problems for a transport equation by local Carleman estimate. <i>Inverse Problems</i> , <b>2019</b> , 35, 105013	2.3	10
152	Null Controllability for Parabolic Operators with Interior Degeneracy and One-Sided Control. <i>SIAM Journal on Control and Optimization</i> , <b>2019</b> , 57, 900-924	1.9	2
151	Observability Inequalities for Transport Equations through Carleman Estimates. <i>Springer INdAM Series</i> , <b>2019</b> , 69-87	0.4	6
150	Herglotz-Generalized Variational Principle and Contact Type Hamilton-Jacobi Equations. <i>Springer INdAM Series</i> , <b>2019</b> , 39-67	0.4	6
149	Global Generalized Characteristics for the Dirichlet Problem for Hamilton--Jacobi Equations at a Supercritical Energy Level. <i>SIAM Journal on Mathematical Analysis</i> , <b>2019</b> , 51, 4213-4244	1.7	5
148	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> , <b>2018</b> , 465, 100-124	1.1	2
147	Invariance for quasi-dissipative systems in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , <b>2018</b> , 457, 1173-1187	1.1	2
146	Value function, relaxation, and transversality conditions in infinite horizon optimal control. <i>Journal of Mathematical Analysis and Applications</i> , <b>2018</b> , 457, 1188-1217	1.1	10
145	Partial regularity for solutions to subelliptic eikonal equations. <i>Comptes Rendus Mathematique</i> , <b>2018</b> , 356, 172-176	0.4	2
144	Precise estimates for biorthogonal families under asymptotic gap conditions. <i>Discrete and Continuous Dynamical Systems - Series S</i> , <b>2018</b> , 1-32	2.8	2
143	Necessary conditions for infinite horizon optimal control problems with state constraints. <i>Mathematical Control and Related Fields</i> , <b>2018</b> , 8, 535-555	1.5	6
142	C <sup>1,1</sup> -smoothness of constrained solutions in the calculus of variations with application to mean field games. <i>Mathematics in Engineering</i> , <b>2018</b> , 1, 174-203	1.2	8
141	Existence and Uniqueness for Mean Field Games with State Constraints. <i>Springer INdAM Series</i> , <b>2018</b> , 49-71	0.4	10
140	Regularity results for the minimum time function with Hörmander vector fields. <i>Journal of Differential Equations</i> , <b>2018</b> , 264, 3312-3335	2.1	7
139	On the topology of the set of singularities of a solution to the Hamilton-Jacobi equation. <i>Comptes Rendus Mathematique</i> , <b>2017</b> , 355, 176-180	0.4	16
138	Heat equation on the Heisenberg group: Observability and applications. <i>Journal of Differential Equations</i> , <b>2017</b> , 262, 4475-4521	2.1	8
137	Multiplicative controllability for semilinear reaction-diffusion equations with finitely many changes of sign. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2017</b> , 108, 425-458	1.7	15

136	Generalized characteristics and Lax-Oleinik operators: global theory. <i>Calculus of Variations and Partial Differential Equations</i> , <b>2017</b> , 56, 1	1.5	12
135	Infinite horizon optimal control: Transversality conditions and sensitivity relations <b>2017</b> ,		1
134	Control and Stabilization of Degenerate Wave Equations. <i>SIAM Journal on Control and Optimization</i> , <b>2017</b> , 55, 2052-2087	1.9	11
133	The cost of controlling weakly degenerate parabolic equations by boundary controls. <i>Mathematical Control and Related Fields</i> , <b>2017</b> , 7, 171-211	1.5	15
132	Positivity of solutions in a perturbed age-structured model. <i>Mathematical Population Studies</i> , <b>2016</b> , 23, 3-16	0.8	
131	Quantitative Compactness Estimates for Hamilton-Jacobi Equations. <i>Archive for Rational Mechanics and Analysis</i> , <b>2016</b> , 219, 793-828	2.3	7
130	Source Reconstruction by Partial Measurements for a Class of Hyperbolic Systems in Cascade. <i>Springer INdAM Series</i> , <b>2016</b> , 35-50	0.4	1
129	GLOBAL CARLEMAN ESTIMATES FOR DEGENERATE PARABOLIC OPERATORS WITH APPLICATIONS. <i>Memoirs of the American Mathematical Society</i> , <b>2016</b> , 239, 0-0	1.5	19
128	Vanishing Discount Limit and Nonexpansive Optimal Control and Differential Games. <i>SIAM Journal on Control and Optimization</i> , <b>2015</b> , 53, 1789-1814	1.9	14
127	Introduction to Measure Theory and Functional Analysis <b>2015</b> ,		2
126	Homoclinic orbits and critical points of barrier functions. <i>Nonlinearity</i> , <b>2015</b> , 28, 1823-1840	1.7	6
125	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> , <b>2015</b> , 429, 1059-1085	1.1	7
124	Conjugate Times and Regularity of the Minimum Time Function with Differential Inclusions. <i>Springer INdAM Series</i> , <b>2015</b> , 85-110	0.4	3
123	Sensitivity relations for the Mayer problem with differential inclusions. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2015</b> , 21, 789-814	1	3
122	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> , <b>2015</b> , 26, 135-149	0.7	
121	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> , <b>2015</b> , 53, 3642-3672	1.9	8
120	Optimality conditions and regularity results for time optimal control problems with differential inclusions. <i>Journal of Mathematical Analysis and Applications</i> , <b>2015</b> , 427, 202-228	1.1	8
119	Global propagation of singularities for time dependent Hamilton-Jacobi equations. <i>Discrete and Continuous Dynamical Systems</i> , <b>2015</b> , 35, 4225-4239	2	8

118	Inverse source problem and null controllability for multidimensional parabolic operators of Grushin type. <i>Inverse Problems</i> , <b>2014</b> , 30, 025006	2.3	12
117	Propagation of Singularities for Weak KAM Solutions and Barrier Functions. <i>Communications in Mathematical Physics</i> , <b>2014</b> , 331, 1-20	2	12
116	Null controllability of Grushin-type operators in dimension two. <i>Journal of the European Mathematical Society</i> , <b>2014</b> , 16, 67-101	1.8	26
115	From pointwise to local regularity for solutions of Hamilton-Jacobi equations. <i>Calculus of Variations and Partial Differential Equations</i> , <b>2014</b> , 49, 1061-1074	1.5	13
114	Inverse Coefficient Problem for Grushin-Type Parabolic Operators. <i>Springer INdAM Series</i> , <b>2014</b> , 79-91	0.4	
113	Null controllability in large time for the parabolic Grushin operator with singular potential. <i>Springer INdAM Series</i> , <b>2014</b> , 87-102	0.4	1
112	Singular gradient flow of the distance function and homotopy equivalence. <i>Mathematische Annalen</i> , <b>2013</b> , 356, 23-43	1	25
111	Local regularity of the value function in optimal control. <i>Systems and Control Letters</i> , <b>2013</b> , 62, 791-794	2.4	12
110	The dual arc inclusion with differential inclusions. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2013</b> , 79, 176-189	1.3	5
109	Optimal control for evolution equations with memory. <i>Journal of Evolution Equations</i> , <b>2013</b> , 13, 197-227	1.2	7
108	Regularity results for eikonal-type equations with nonsmooth coefficients. <i>Nonlinear Differential Equations and Applications</i> , <b>2012</b> , 19, 751-769	0.8	1
107	Unique continuation and approximate controllability for a degenerate parabolic equation. <i>Applicable Analysis</i> , <b>2012</b> , 91, 1409-1425	0.8	15
106	Invariance for stochastic reaction-diffusion equations. <i>Evolution Equations and Control Theory</i> , <b>2012</b> , 1, 43-56	2	1
105	A constructive proof of Gibson's stability theorem. <i>Discrete and Continuous Dynamical Systems - Series S</i> , <b>2012</b> , 6, 611-617	2.8	
104	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> , <b>2011</b> , 337-346	0.7	2
103	Exterior Sphere Condition and Time Optimal Control for Differential Inclusions. <i>SIAM Journal on Control and Optimization</i> , <b>2011</b> , 49, 2558-2576	1.9	10
102	Semiconcavity of the value function for a class of differential inclusions. <i>Discrete and Continuous Dynamical Systems</i> , <b>2011</b> , 29, 453-466	2	8
101	Integro-differential equations of hyperbolic type with positive definite kernels. <i>Journal of Differential Equations</i> , <b>2011</b> , 250, 4289-4335	2.1	33

100	ISOTOPIIC COMPOSITION OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. <i>Astrophysical Journal</i> , <b>2011</b> , 736, 105	4.7	33
99	Indirect stabilization of weakly coupled systems with hybrid boundary conditions. <i>Mathematical Control and Related Fields</i> , <b>2011</b> , 1, 413-436	1.5	12
98	Determination of source terms in a degenerate parabolic equation. <i>Inverse Problems</i> , <b>2010</b> , 26, 105003	2.3	43
97	Multiplicative controllability for reaction-diffusion equations with target states admitting finitely many changes of sign. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2010</b> , 14, 1293-1311	1.3	11
96	RELATIVE COMPOSITION AND ENERGY SPECTRA OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. <i>Astrophysical Journal</i> , <b>2010</b> , 724, 329-340	4.7	41
95	Invariant measures associated to degenerate elliptic operators. <i>Indiana University Mathematics Journal</i> , <b>2010</b> , 59, 53-78	0.6	6
94	Lipschitz continuity and semiconcavity properties of the value function of a stochastic control problem. <i>Nonlinear Differential Equations and Applications</i> , <b>2010</b> , 17, 715-728	0.8	6
93	Minkowski content for reachable sets. <i>Manuscripta Mathematica</i> , <b>2010</b> , 131, 507-530	0.5	1
92	Hölder estimates in space-time for viscosity solutions of hamilton-jacobi equations. <i>Communications on Pure and Applied Mathematics</i> , <b>2010</b> , 63, NA-NA	2.5	2
91	Singular Dynamics for Semiconcave Functions. <i>Journal of the European Mathematical Society</i> , <b>2009</b> , 999-1024	10.4	25
90	Carleman estimates and null controllability for boundary-degenerate parabolic operators. <i>Comptes Rendus Mathématique</i> , <b>2009</b> , 347, 147-152	0.4	23
89	A general method for proving sharp energy decay rates for memory-dissipative evolution equations. <i>Comptes Rendus Mathématique</i> , <b>2009</b> , 347, 867-872	0.4	89
88	On a Differential Model for Growing Sandpiles with Non-Regular Sources. <i>Communications in Partial Differential Equations</i> , <b>2009</b> , 34, 656-675	1.6	13
87	On Bolza optimal control problems with constraints. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2009</b> , 11, 629-653	1.3	3
86	Existence and Lipschitz regularity of solutions to Bolza problems in optimal control. <i>Transactions of the American Mathematical Society</i> , <b>2009</b> , 361, 4491-4517	1	6
85	Carleman Estimates for a Class of Degenerate Parabolic Operators. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 1-19	1.9	111
84	Controllability results for a class of one-dimensional degenerate parabolic problems in nondivergence form. <i>Journal of Evolution Equations</i> , <b>2008</b> , 8, 583-616	1.2	44
83	Lipschitz continuity and local semiconcavity for exit time problems with state constraints. <i>Journal of Differential Equations</i> , <b>2008</b> , 245, 616-636	2.1	7

82	Decay estimates for second order evolution equations with memory. <i>Journal of Functional Analysis</i> , <b>2008</b> , 254, 1342-1372	1.4	144
81	Semiconcavity results for optimal control problems admitting no singular minimizing controls. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , <b>2008</b> , 25, 773-802	1.6	44
80	REGULARITY PROPERTIES OF ATTAINABLE SETS UNDER STATE CONSTRAINTS. <i>Series on Advances in Mathematics for Applied Sciences</i> , <b>2008</b> , 120-135		2
79	A stability result for a class of nonlinear integrodifferential equations with L1 kernels. <i>Applicaciones Mathematicae</i> , <b>2008</b> , 35, 395-430	2	5
78	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> , <b>2007</b> , 646, 145-154	4.2	255
77	Hölder regularity of the normal distance with an application to a PDE model for growing sandpiles. <i>Transactions of the American Mathematical Society</i> , <b>2007</b> , 359, 2741-2775	1	6
76	Lipschitz Continuity of Optimal Trajectories in Deterministic Optimal Control <b>2007</b> , 105-116		
75	Null controllability of degenerate parabolic operators with drift. <i>Networks and Heterogeneous Media</i> , <b>2007</b> , 2, 695-715	1.6	42
74	Carleman estimates for degenerate parabolic operators with applications to null controllability. <i>Journal of Evolution Equations</i> , <b>2006</b> , 6, 161-204	1.2	99
73	Regional controllability of semilinear degenerate parabolic equations in bounded domains. <i>Journal of Mathematical Analysis and Applications</i> , <b>2006</b> , 320, 804-818	1.1	32
72	Interior sphere property of attainable sets and time optimal control problems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2006</b> , 12, 350-370	1	27
71	Analysis of a PDE Model for Sandpile Growth <b>2005</b> , 41-50		
70	Linear Degenerate Parabolic Equations in Bounded Domains: Controllability and Observability <b>2005</b> , 163-173		7
69	A study of cosmic ray secondaries induced by the Mir space station using AMS-01. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 234, 321-332	1.2	1
68	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> , <b>2005</b> , 24, 431-457	1.5	19
67	Representation of equilibrium solutions to the table problem of growing sandpiles. <i>Journal of the European Mathematical Society</i> , <b>2004</b> , 435-464	1.8	24
66	Null controllability of the heat equation in unbounded domains by a finite measure control region. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2004</b> , 10, 381-408	1	9
65	Semilinear Integrodifferential Equations of Hyperbolic Type: Existence in the Large. <i>Mediterranean Journal of Mathematics</i> , <b>2004</b> , 1, 151	0.9	11

64	Status of the construction of the CMS magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 542-547	1.8	19
63	Semiconcave Functions, Hamilton-Jacobi Equations, and Optimal Control <b>2004</b> ,		258
62	Persistent regional null controllability for a class of degenerate parabolic equations. <i>Communications on Pure and Applied Analysis</i> , <b>2004</b> , 3, 607-635	1.9	57
61	On the Bellman Equation for the Minimum Time Problem in Infinite Dimensions. <i>SIAM Journal on Control and Optimization</i> , <b>2004</b> , 43, 532-548	1.9	16
60	Global solutions of abstract semilinear parabolic equations with memory terms. <i>Nonlinear Differential Equations and Applications</i> , <b>2003</b> , 10, 399-430	0.8	38
59	Propagation of Singularities for Solutions of Nonlinear First Order Partial Differential Equations. <i>Archive for Rational Mechanics and Analysis</i> , <b>2002</b> , 162, 1-23	2.3	33
58	Indirect internal stabilization of weakly coupled evolution equations. <i>Journal of Evolution Equations</i> , <b>2002</b> , 2, 127-150	1.2	87
57	Nulle contrôlabilité régionale pour des équations de la chaleur dégénérées. <i>Comptes Rendus - Mécanique</i> , <b>2002</b> , 330, 397-401	2.1	4
56	The Alpha Magnetic Spectrometer (AMS). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 478, 119-122	1.2	32
55	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> , <b>2002</b> , 366, 331-405	27.7	328
54	Status of the CMS magnet (MT17). <i>IEEE Transactions on Applied Superconductivity</i> , <b>2002</b> , 12, 385-390	1.8	16
53	One-sided and internal controllability of semilinear wave equations with infinitely iterated logarithms. <i>Discrete and Continuous Dynamical Systems</i> , <b>2002</b> , 8, 745-756	2	11
52	Unbounded components of the singular set of the distance function in $\mathbb{R}^n$ . <i>Transactions of the American Mathematical Society</i> , <b>2001</b> , 353, 4567-4581	1	5
51	Leptons in near earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 484, 10-22	4.2	198
50	Cosmic protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 490, 27-35	4.2	236
49	Helium in near Earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 494, 193-202	4.2	136
48	Protons in near earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 472, 215-226	4.2	142
47	Optimality Conditions and Synthesis for the Minimum Time Problem. <i>Set-Valued and Variational Analysis</i> , <b>2000</b> , 8, 127-148		16



46	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> , <b>2000</b> , 38, 916-946	1.9	4
45	Semiconcavity for optimal control problems with exit time. <i>Discrete and Continuous Dynamical Systems</i> , <b>2000</b> , 6, 975-997	2	16
44	Propagation of Singularities for Concave Solutions of Hamilton-Jacobi Equations <b>2000</b> , 583-588		2
43	Regularity of Hamilton-Jacobi equations when forward is backward. <i>Indiana University Mathematics Journal</i> , <b>1999</b> , 48, 0-0	0.6	8
42	Search for antihelium in cosmic rays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 461, 387-396	4.2	100
41	Well-posedness of Semilinear Heat Equations with Iterated Logarithms <b>1999</b> , 1-11		
40	Singularities of Semiconcave Functions in Banach Spaces <b>1999</b> , 171-190		4
39	Singularities of the minimum time function for semilinear parabolic systems. <i>ESAIM: Proceedings and Surveys</i> , <b>1998</b> , 4, 59-72		0
38	On the Behaviour of the Value Function of a Mayer Optimal Control Problem along Optimal Trajectories <b>1998</b> , 81-88		2
37	Regularity Results for Solutions of a Class of Hamilton-Jacobi Equations. <i>Archive for Rational Mechanics and Analysis</i> , <b>1997</b> , 140, 197-223	2.3	31
36	Dynamic optimization and forward looking processes. <i>Journal of Economic Dynamics and Control</i> , <b>1997</b> , 22, 49-66	1.3	
35	Infinite-Dimensional Hamilton-Jacobi Equations and Dirichlet Boundary Control Problems of Parabolic Type. <i>SIAM Journal on Control and Optimization</i> , <b>1996</b> , 34, 1831-1847	1.9	18
34	Value function and optimality condition for semilinear control problems. II: Parabolic case. <i>Applied Mathematics and Optimization</i> , <b>1996</b> , 33, 1-33	1.5	8
33	Convexity properties of the minimum time function. <i>Calculus of Variations and Partial Differential Equations</i> , <b>1995</b> , 3, 273-298	1.5	46
32	On a class of nonlinear time optimal control problems. <i>Discrete and Continuous Dynamical Systems</i> , <b>1995</b> , 1, 285-300	2	9
31	Convexity properties of the minimum time function <b>1995</b> , 3, 273		15
30	Optimality Conditions for Boundary Control Problems of Parabolic Type <b>1994</b> , 79-96		1
29	A Dynamic Programming Approach to Nonlinear Boundary Control Problems of Parabolic Type. <i>Journal of Functional Analysis</i> , <b>1993</b> , 117, 25-61	1.4	18

28	On a Functional Analysis Approach to Parabolic Equations in Infinite Dimensions. <i>Journal of Functional Analysis</i> , <b>1993</b> , 118, 22-42	1.4	13
27	On the smoothness of the value function along optimal trajectories <b>1992</b> , 60-81		
26	Value function and optimality conditions for semilinear control problems. <i>Applied Mathematics and Optimization</i> , <b>1992</b> , 26, 139-169	1.5	21
25	On the singularities of convex functions. <i>Manuscripta Mathematica</i> , <b>1992</b> , 76, 421-435	0.5	63
24	Second order Hamilton-Jacobi equations in infinite dimensions and stochastic optimal control problems <b>1992</b> , 617-629		
23	A semigroup approach to Kolmogoroff equations in Hilbert spaces. <i>Applied Mathematics Letters</i> , <b>1991</b> , 4, 49-52	3.5	5
22	A boundary-value problem for Hamilton-Jacobi equations in hilbert spaces. <i>Applied Mathematics and Optimization</i> , <b>1991</b> , 24, 197-220	1.5	14
21	Second-Order Hamilton-Jacobi Equations in Infinite Dimensions. <i>SIAM Journal on Control and Optimization</i> , <b>1991</b> , 29, 474-492	1.9	36
20	Some Characterizations of Optimal Trajectories in Control Theory. <i>SIAM Journal on Control and Optimization</i> , <b>1991</b> , 29, 1322-1347	1.9	79
19	The damped wave equation in a moving domain. <i>Journal of Differential Equations</i> , <b>1990</b> , 85, 1-16	2.1	20
18	Some results on non-linear optimal control problems and Hamilton-Jacobi equations in infinite dimensions. <i>Journal of Functional Analysis</i> , <b>1990</b> , 90, 27-47	1.4	13
17	<b>1990</b> ,		3
16	Some properties of the value function of a nonlinear control problem in infinite dimensions. <i>Lecture Notes in Control and Information Sciences</i> , <b>1990</b> , 235-247	0.5	
15	DYNAMICAL ACTUATORS FOR THE HEAT EQUATION <b>1990</b> , 229-232		
14	Dynamical shape control of the heat equation. <i>Systems and Control Letters</i> , <b>1989</b> , 12, 103-109	2.4	7
13	Generalized one-sided estimates for solutions of Hamilton-Jacobi equations and applications. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>1989</b> , 13, 305-323	1.3	29
12	Nonlinear Optimal Control with Infinite Horizon for Distributed Parameter Systems and Stationary Hamilton-Jacobi Equations. <i>SIAM Journal on Control and Optimization</i> , <b>1989</b> , 27, 861-875	1.9	12
11	Dynamical Actuators for the Heat Equation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1989</b> , 22, 229-232		

10	Two Characterizations of Optimal Trajectories for Meyer Problem. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1989</b> , 22, 291-295		
9	Generation of analytic semigroups in the $L^p$ topology by elliptic operators in $\mathbb{R}^n$ . <i>Israel Journal of Mathematics</i> , <b>1988</b> , 61, 235-255	0.8	18
8	Generation of Analytic Semigroups by Elliptic Operators with Unbounded Coefficients. <i>SIAM Journal on Mathematical Analysis</i> , <b>1987</b> , 18, 857-872	1.7	29
7	Existence and uniqueness results for a non linear stochastic partial differential equation. <i>Lecture Notes in Mathematics</i> , <b>1987</b> , 1-24	0.4	3
6	. <i>Indiana University Mathematics Journal</i> , <b>1987</b> , 36, 501	0.6	49
5	Analytic semigroups generated by non-variational elliptic systems of second order under Dirichlet boundary conditions. <i>Journal of Mathematical Analysis and Applications</i> , <b>1985</b> , 112, 56-103	1.1	6
4	Analytic semigroups generated on Hölder spaces by second order elliptic systems under Dirichlet boundary conditions. <i>Annali Di Matematica Pura Ed Applicata</i> , <b>1985</b> , 140, 393-415	0.8	5
3	Existence and uniqueness of solutions to a class of stochastic partial differential equations. <i>Stochastic Analysis and Applications</i> , <b>1985</b> , 3, 315-339	1.1	5
2	Weak KAM Approach to First-Order Mean Field Games with State Constraints. <i>Journal of Dynamics and Differential Equations</i> , 1	1.3	2
1	Inverse problem of reconstruction of degenerate diffusion coefficient in a parabolic equation. <i>Inverse Problems</i> ,	2.3	2