Marc Quincampoix

List of Publications by Year
in descending order

63 papers	1,077 citations	430754 18 h-index	477173 29 g-index
64 all docs	64 docs citations	64 times ranked	324 citing authors

#	Article	IF	Citations
1	Set-Valued Numerical Analysis for Optimal Control and Differential Games. , 1999, , 177-247.		136
2	Pursuit Differential Games with State Constraints. SIAM Journal on Control and Optimization, 2000, 39, 1615-1632.	1.1	71
3	Linear Programming Approach to Deterministic Infinite Horizon Optimal Control Problems with Discounting. SIAM Journal on Control and Optimization, 2009, 48, 2480-2512.	1.1	68
4	On the Reachability Problem for Uncertain Hybrid Systems. IEEE Transactions on Automatic Control, 2007, 52, 1572-1586.	3.6	60
5	Differential Inclusions and Target Problems. SIAM Journal on Control and Optimization, 1992, 30, 324-335.	1.1	56
6	Viability property for a backward stochastic differential equation and applications to partial differential equations. Probability Theory and Related Fields, 2000, 116, 485-504.	0.9	55
7	Existence of stochastic control under state constraints. Comptes Rendus Mathematique, 1998, 327, 17-22.	0.5	47
8	Mayer control problem with probabilistic uncertainty on initial positions. Journal of Differential Equations, 2018, 264, 3212-3252.	1.1	35
9	Zero-sum state constrained differential games: existence of value for Bolza problem. International Journal of Game Theory, 2006, 34, 495-527.	0.5	33
10	On the Existence of a Limit Value in Some Nonexpansive Optimal Control Problems. SIAM Journal on Control and Optimization, 2011, 49, 2118-2132.	1.1	33
11	On the control of uncertain impulsive systems: approximate stabilization and controlled invariance. International Journal of Control, 2004, 77, 1393-1407.	1.2	29
12	Local small time controllability and attainability of a set for nonlinear control system. ESAIM - Control, Optimisation and Calculus of Variations, 2001, 6, 499-516.	0.7	25
13	Numerical Schemes for Discontinuous Value Functions of Optimal Control. Set-Valued and Variational Analysis, 2000, 8, 111-126.	0.5	23
14	Value-functions for Differential Games and Control Systems with Discontinuous Terminal Cost. SIAM Journal on Control and Optimization, 2000, 39, 1485-1498.	1.1	22
15	Repeated Games and Qualitative Differential Games: Approachability and Comparison of Strategies. SIAM Journal on Control and Optimization, 2009, 48, 2461-2479.	1.1	22
16	Optimal control of multiagent systems in the Wasserstein space. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	22
17	On Existence of Solutions to Differential Equations or Inclusions Remaining in a Prescribed Closed Subset of a Finite-Dimensional Space. Journal of Differential Equations, 2002, 185, 483-512.	1.1	21
18	Optimal Control of Uncertain Systems with Incomplete Information for the Disturbances. SIAM Journal on Control and Optimization, 2004, 43, 1373-1399.	1.1	21

#	ARTICLE	IF	CITATIONS
19	Pure and Random strategies in differential game with incomplete informations. Journal of Dynamics and Games, 2014, 1, 363-375.	0.6	20
20	Value function of differential games without Isaacs conditions. An approach with nonanticipative mixed strategies. International Journal of Game Theory, 2013, 42, 989-1020.	0.5	16
21	Value in mixed strategies for zero-sum stochastic differential games without Isaacs condition. Annals of Probability, 2014, 42, .	0.8	16
22	Stabilization of Uncertain Control Systems through Piecewise Constant Feedback. Journal of Mathematical Analysis and Applications, 1998, 218, 240-255.	0.5	15
23	Existence of Asymptotic Values for Nonexpansive Stochastic Control Systems. Applied Mathematics and Optimization, 2014, 70, 1-28.	0.8	15
24	Differential Games Through Viability Theory: Old and Recent Results. , 2007, , 3-35.		15
25	Discontinuous Mayer control problem under state-constraints. Topological Methods in Nonlinear Analysis, 2000, 15, 91.	0.2	14
26	On representation formulas for Hamilton Jacobi's equations related to calculus of variations problems. Topological Methods in Nonlinear Analysis, 2002, 20, 85.	0.2	14
27	On open-loop and feedback attainability of aÂclosed set for nonlinear control systems. Journal of Mathematical Analysis and Applications, 2002, 270, 474-487.	0.5	13
28	The problem of optimal control with reflection studied through a linear optimization problem stated on occupational measures. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 2803-2815.	0.6	12
29	Differential games with asymmetric information and without Isaacsâ€™ condition. International Journal of Game Theory, 2016, 45, 795-816.	0.5	11
30	Stochastic Control with Exit Time and Constraints, Application to Small Time Attainability of Sets. Applied Mathematics and Optimization, 2004, 49, 99-112.	0.8	10
31	Differential Games with Incomplete Information on a Continuum of Initial Positions and without Isaacs Condition. Dynamic Games and Applications, 2016, 6, 82-96.	1.1	9
32	Limit value for optimal control with general means. Discrete and Continuous Dynamical Systems, 2015, 36, 2113-2132.	0.5	9
33	Existence of equilibria of set-valued maps on bounded epi-Lipschitz domains in Hilbert spaces without invariance conditions. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 262-276.	0.6	8
34	Another proof for the equivalence between invariance of closed sets with respect to stochastic and deterministic systems˜†â˜†The authors gratefully acknowledge the support from the RTN network HPRN-CT-2002-00281 (European Union) and from the FWF-grant Y 328 (Austrian Science Funds).. Bulletin Des Sciences Mathematiques, 2010, 134, 207-214.	0.5	8
35	Approximate Stabilisation of Uncertain Hybrid Systems. Lecture Notes in Computer Science, 2003, , 203-215.	1.0	8
36	Stochastic control and compatible subsets of constraints. Bulletin Des Sciences Mathematiques, 2005, 129, 39-55.	0.5	7

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37	Controlled Stochastic Differential Equations under Constraints in Infinite Dimensional Spaces. SIAM Journal on Control and Optimization, 2008, 47, 218-250.	1.1	7
38	Equilibria and strict equilibria of multivalued maps on noninvariant sets. Annales Polonici Mathematici, 2003, 82, 19-37.	0.2	7
39	Playable differential games. Journal of Mathematical Analysis and Applications, 1991, 161, 194-211.	0.5	6
40	Oleinikâ€"Lax formulas and multitime Hamiltonâ€"Jacobi systems. Nonlinear Analysis: Theory, Methods & Applications, 2002, 51, 957-967.	0.6	6
41	Singular perturbations for differential equations and inclusions: An approach through constrained systems. Nonlinear Analysis: Theory, Methods & Applications, 1998, 32, 697-710.	0.6	5
42	Preface: DGAA Special Issue on Pursuit-Evasion Games and Differential Games with Incomplete Information. Dynamic Games and Applications, 2019, 9, 569-572.	1.1	5
43	Sliding mode control of uncertain systems: a singular perturbation approach. IMA Journal of Mathematical Control and Information, 2002, 19, 377-398.	1.1	4
44	On the small-time controllability of discontinuous piece-wise linear systems. Systems and Control Letters, 2013, 62, 218-223.	1.3	4
45	Existence of fixed points on compact epilipschitz sets without invariance conditions. Fixed Point Theory and Applications, 2005, 2005, 603074.	1.1	3
46	On a Unified Framework for Approachability with Full or Partial Monitoring. Mathematics of Operations Research, 2015, 40, 596-610.	0.8	3
47	Averaging problem for weakly coupled nonexpansive control systems. Nonlinear Analysis: Theory, Methods & Applications, 2015, 113, 147-158.	0.6	3
48	Existence and Characterization of the Values of Two Player Differential Games with State Constraints. Applied Mathematics and Optimization, 2019, 80, 765-799.	0.8	3
49	Optimal control for the evolution of deterministic multi-agent systems. Journal of Differential Equations, 2020, 269, 2228-2263.	1.1	3
50	Compatibility of state constraints and dynamics for multiagent control systems. Journal of Evolution Equations, 2021, 21, 4491-4537.	0.6	3
51	Stochastic control with exit time and constraints, application to small time attainability of sets. Applied Mathematics and Optimization, 2004, 49, 99-112.	0.8	2
52	On Lipschitz regularity of minimizers of a calculus of variations problem with non locally bounded Lagrangians. Comptes Rendus Mathematique, 2006, 343, 69-74.	0.1	2
53	Representation Formulas for Limit Values of Long Run Stochastic Optimal Controls. SIAM Journal on Control and Optimization, 2020, 58, 1846-1873.	1.1	2
54	Differential Games. , 2012, , 854-861.		2

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55	On attainability of a set by at least one solution to a differential inclusion. Optimization, 2004, 53, 563-582.	1.0	1
56	Parameterized Minimax Problem: On Lipschitz-Like Dependence of the Solution with Respect to the Parameter. SIAM Journal on Optimization, 2008, 19, 1250-1269.	1.2	1
57	Existence of periodic solutions of a ordinary differential equation perturbed by a small parameter: An averaging approach. Comptes Rendus Mathematique, 2009, 347, 369-374.	0.1	1
58	Extremal Shift Rule and Viability Property for Mean Field-Type Control Systems. Journal of Optimization Theory and Applications, 2021, 189, 244-270.	0.8	1
59	Nonsmooth Feedback Control for Multi-Agent Dynamics. Set-Valued and Variational Analysis, 2021, 29, 501-518.	0.5	1
60	Duality, viability and optimality through linear programming approach to deterministic infinite horizon optimal control problems with discounting. , 2010, , .		0
61	On the Controllability of a Class of Hybrid Control Systems. Lecture Notes in Computer Science, 2014, , 107-115.	1.0	0
62	Differential Games. , 2018, , 1-11.		0
63	Differential Games. , 2020, , 305-315.		0