Gianmario Tessitore

List of Publications by Year
in descending order

39 papers	753 citations	471061 17 h-index	525886 27 g-index
39 all docs	39 docs citations	39 times ranked	227 citing authors

#	Article	IF	Citations
1	Carleman Estimates and Controllability of Linear Stochastic Heat Equations. Applied Mathematics and Optimization, 2003, 47, 97-120.	0.8	69
2	Wong-Zakai approximations of stochastic evolution equations. Journal of Evolution Equations, 2006, 6, 621-655.	0.6	69
3	Existence, uniqueness and space regularity of the adapted solutions of a backward spde. Stochastic Analysis and Applications, 1996, 14, 461-486.	0.9	50
4	Stochastic Maximum Principle for Optimal Control of SPDEs. Applied Mathematics and Optimization, 2013, 68, 181-217.	0.8	47
5	Infinite horizon backward stochastic differential equations and elliptic equations in Hilbert spaces. Annals of Probability, 2004, 32, 607.	0.8	46
6	Ergodic BSDEs and Optimal Ergodic Control in Banach Spaces. SIAM Journal on Control and Optimization, 2009, 48, 1542-1566.	1.1	45
7	Ergodic BSDEs under weak dissipative assumptions. Stochastic Processes and Their Applications, 2011, 121, 407-426.	0.4	45
8	Optimal control of a stochastic heat equation with boundary-noise and boundary-control. ESAIM - Control, Optimisation and Calculus of Variations, 2007, 13, 178-205.	0.7	37
9	Stochastic Equations with Delay: Optimal Control via BSDEs and Regular Solutions of Hamiltonâ€"Jacobiâ€"Bellman Equations. SIAM Journal on Control and Optimization, 2010, 48, 4624-4651.	1.1	36
10	On the Backward Stochastic Riccati Equation in Infinite Dimensions. SIAM Journal on Control and Optimization, 2005, 44, 159-194.	1.1	35
11	Null controllability of an infinite dimensional SDE with state- and control-dependent noise. Systems and Control Letters, 2001, 44, 385-394.	1.3	31
12	The Bismut-Elworthy formula for backward SDE's and applications to nonlinear Kolmogorov equations and control in infinite dimensional spaces. Stochastic and Stochastics Reports, 2002, 74, 429-464.	0.6	31
13	Some Remarks on the Riccati Equation Arising in an Optimal Control Problem with State- and Control-Dependent Noise. SIAM Journal on Control and Optimization, 1992, 30, 717-744.	1.1	27
14	Generalized Directional Gradients, Backward Stochastic Differential Equations and Mild Solutions of Semilinear Parabolic Equations. Applied Mathematics and Optimization, 2005, 51, 279-332.	0.8	26
15	BSDE on an infinite horizon and elliptic PDEs in infinite dimension. Nonlinear Differential Equations and Applications, 2007, 14, 825-846.	0.4	25
16	Stochastic maximum principle for optimal control of SPDEs. Comptes Rendus Mathematique, 2012, 350, 683-688.	0.1	22
17	Backward Stochastic Riccati Equations and Infinite Horizon L-Q Optimal Control with Infinite Dimensional State Space and Random Coefficients. Applied Mathematics and Optimization, 2008, 57, 207-235.	0.8	18
18	Existence of Optimal Stochastic Controls and Global Solutions of Forward-Backward Stochastic Differential Equations. SIAM Journal on Control and Optimization, 2004, 43, 813-830.	1.1	16

#	Article	IF	Citations
19	On a Class of Stochastic Optimal Control Problems Related to BSDEs with Quadratic Growth. SIAM Journal on Control and Optimization, 2006, 45, 1279-1296.	1.1	16
20	Well Posedness of Operator Valued Backward Stochastic Riccati Equations in Infinite Dimensional Spaces. SIAM Journal on Control and Optimization, 2014, 52, 3776-3806.	1.1	9
21	On coupled systems of Kolmogorov equations with applications to stochastic differential games. ESAIM - Control, Optimisation and Calculus of Variations, 2017, 23, 937-976.	0.7	9
22	Controlled Stochastic Differential Equations under Constraints in Infinite Dimensional Spaces. SIAM Journal on Control and Optimization, 2008, 47, 218-250.	1.1	7
23	Stochastic maximum principle for optimal control of partial differential equations driven by white noise. Stochastics and Partial Differential Equations: Analysis and Computations, 2018, 6, 255-285.	0.5	5
24	Singular Limit of BSDEs and Optimal Control of Two Scale Stochastic Systems in Infinite Dimensional Spaces. Applied Mathematics and Optimization, 2021, 83, 1025-1051.	0.8	5
25	Considerations on the Controllability of Stochastic Linear Heat Equations. , 2002, , 39-52.		5
26	Linear-quadratic optimal control under non-Markovian switching. Stochastic Analysis and Applications, 2018, 36, 166-180.	0.9	3
27	Ergodic control of infinite-dimensional stochastic differential equations with degenerate noise. ESAIM - Control, Optimisation and Calculus of Variations, 2019, 25, 12.	0.7	3
28	Fokkerâ€"Planck equations with terminal condition and related McKean probabilistic representation. Nonlinear Differential Equations and Applications, 2022, 29, 1.	0.4	3
29	Reflected BSDEs, optimal control and stopping for infinite-dimensional systems. ESAIM - Control, Optimisation and Calculus of Variations, 2017, 23, 1419-1445.	0.7	2
30	Semilinear Kolmogorov equations on the space of continuous functions via BSDEs. Stochastic Processes and Their Applications, 2021, 136, 1-56.	0.4	2
31	Considerations on the Controllability of Stochastic Linear Heat Equations. Lecture Notes in Pure and Applied Mathematics, 2002, , .	0.1	2
32	Singular Limit of Two-Scale Stochastic Optimal Control Problems in Infinite Dimensions by Vanishing Noise Regularization. SIAM Journal on Control and Optimization, 2022, 60, 575-596.	1.1	2
33	Hautus condition for the pathwise stabilizability of an infinite dimensional stochastic system. Stochastic Analysis and Applications, 1994, 12, 617-637.	0.9	1
34	A note on the stabilizability of stochastic heat equations with multiplicative noise. Comptes Rendus Mathematique, 2002, 334, 311-316.	0.1	1
35	Ergodic Maximum Principle for Stochastic Systems. Applied Mathematics and Optimization, 2019, 79, 567-591.	0.8	1
36	Ergodic BSDEs with Multiplicative and Degenerate Noise. SIAM Journal on Control and Optimization, 2020, 58, 2050-2077.	1.1	1

#	Article	IF	Citations
37	Regularity results for nonlinear Young equations and applications. Journal of Evolution Equations, 2022, 22, .	0.6	1
38	STOCHASTIC CONTROL AND BSDES WITH QUADRATIC GROWTH. , 2007, , .		0
39	Partial smoothing of delay transition semigroups acting on special functions. Journal of Differential Equations, 2022, 316, 599-640.	1.1	0