Steven I Marcus

List of Publications by Year
in descending order

44 papers	500 citations	687363 13 h-index	752698 20 g-index
44 all docs	44 docs citations	44 times ranked	284 citing authors

#	Article	IF	Citations
1	Approximate and local linearizability of non-linear discrete-time systems. International Journal of Control, 1986, 44, 1103-1124.	1.9	62
2	Solving Continuous-State POMDPs via Density Projection. IEEE Transactions on Automatic Control, 2010, 55, 1101-1116.	5.7	51
3	Distribution of dynamic loads for multiple cooperating robot manipulators. Journal of Field Robotics, 1989, 6, 35-47.	0.7	50
4	Two-timescale algorithms for simulation optimization of hidden Markov models. IIE Transactions, 2001, 33, 245-258.	2.1	39
5	Supremal and maximal sublanguages arising in supervisor synthesis problems with partial observations. Mathematical Systems Theory, 1989, 22, 177-211.	0.5	38
6	Simulation-Based Algorithms for Markov Decision Processes. Communications and Control Engineering, 2013, , .	1.6	28
7	On input-output linearization of discrete-time nonlinear systems. Systems and Control Letters, 1987, 8, 249-259.	2.3	25
8	Stochastic Optimization in a Cumulative Prospect Theory Framework. IEEE Transactions on Automatic Control, 2018, 63, 2867-2882.	5.7	21
9	Notions of Centralized and Decentralized Opacity in Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 1442-1455.	5.7	21
10	An Asymptotically Efficient Simulation-Based Algorithm for Finite Horizon Stochastic Dynamic Programming. IEEE Transactions on Automatic Control, 2007, 52, 89-94.	5.7	19
11	Adaptive System Optimization Using Random Directions Stochastic Approximation. IEEE Transactions on Automatic Control, 2017, 62, 2223-2238.	5.7	17
12	Necessary and Sufficient Conditions for State Equivalence to a Nonlinear Discrete-Time Observer Canonical Form. IEEE Transactions on Automatic Control, 2008, 53, 2701-2707.	5.7	14
13	Grooming multicast traffic in unidirectional SONET/WDM rings. IEEE Journal on Selected Areas in Communications, 2007, 25, 70-83.	14.0	13
14	Recursive Learning Automata Approach to Markov Decision Processes. IEEE Transactions on Automatic Control, 2007, 52, 1349-1355.	5.7	13
15	Probabilistically distorted risk-sensitive infinite-horizon dynamic programming. Automatica, 2018, 97, 1-6.	5.0	11
16	Adaptive Adversarial Multi-Armed Bandit Approach to Two-Person Zero-Sum Markov Games. IEEE Transactions on Automatic Control, 2010, 55, 463-468.	5.7	10
17	Dynamic sample budget allocation in model-based optimization. Journal of Global Optimization, 2011, 50, 575-596.	1.8	8
18	A framework for opacity in linear systems. , 2016, , .		8

#	Article	IF	Citations
19	Dynamic estimation of auditory temporal response functions via state-space models with Gaussian mixture process noise. PLoS Computational Biology, 2020, 16, e1008172.	3.2	7
20	A density projection approach to dimension reduction for continuous-state POMDPs. , 2008, , .		6
21	Model-based Evolutionary Optimization. , 2010, , .		6
22	Sensitivity analysis for barrier options. , 2009, , .		5
23	Dynamic programming with non-convex risk-sensitive measures. , 2013, , .		5
24	Remarks of discretization and linear equivalence of continuous time nonlinear systems. , 1987, , .		4
25	Random Directions Stochastic Approximation With Deterministic Perturbations. IEEE Transactions on Automatic Control, 2020, 65, 2450-2465.	5.7	4
26	Resilience to denial-of-service and integrity attacks: A structured systems approach. European Journal of Control, 2022, 63, 61-69.	2.6	4
27	A framework for decentralized opacity in linear systems. , 2016, , .		3
28	Opacity for switched linear systems: Notions and characterization. , 2017, , .		2
29	Estimation of State-Space Models with Gaussian Mixture Process Noise. , 2019, , .		2
30	Adversarial Multi-Armed Bandit Approach to Stochastic Optimization. , 2006, , .		1
31	Adversarial multi-armed bandit approach to two-person zero-sum Markov games. , 2007, , .		1
32	Simulation-based work load and job release control for semiconductor manufacturing. , 2015, , .		1
33	A new stochastic gradient estimator for American option pricing. , 2009, , .		1
34	On the immersion of a discrete time nonlinear system into a linear system. , 1987, , .		0
35	Two-timescale algorithms for simulation optimization of hidden Markov models. IIE Transactions, 2001, 33, 245-258.	2.1	0
36	Minimum wavelength assignment for multicast traffic in all-optical WDM tree networks. , 2008, , .		0

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37	Cumulative weighting optimization: The discrete case. , 2013, , .		0
38	Cumulative weighting optimization. Journal of Global Optimization, 2016, 65, 487-512.	1.8	0
39	Bisimulation in Behavioral Dynamical Systems and Generalized Synchronization Trees. , 2018, , .		0
40	Adaptive Control and Cost Sensitivity of Stochastic Systems with Continuous State and Parameters, and Logical Controls. , 1991, , .		0
41	Title is missing!. , 2020, 16, e1008172.		0
42	Title is missing!. , 2020, 16, e1008172.		0
43	Title is missing!. , 2020, 16, e1008172.		0
44	Title is missing!. , 2020, 16, e1008172.		0