

# Steven I Marcus

## List of Publications by Year in descending order

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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	Resilience to denial-of-service and integrity attacks: A structured systems approach. European Journal of Control, 2022, 63, 61-69.	2.6	4
2	Random Directions Stochastic Approximation With Deterministic Perturbations. IEEE Transactions on Automatic Control, 2020, 65, 2450-2465.	5.7	4
3	Notions of Centralized and Decentralized Opacity in Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 1442-1455.	5.7	21
4	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
5	Title is missing!. , 2020, 16, e1008172.		0
6	Title is missing!. , 2020, 16, e1008172.		0
7	Title is missing!. , 2020, 16, e1008172.		0
8	Title is missing!. , 2020, 16, e1008172.		0
9	Estimation of State-Space Models with Gaussian Mixture Process Noise. , 2019, , .		2
10	Stochastic Optimization in a Cumulative Prospect Theory Framework. IEEE Transactions on Automatic Control, 2018, 63, 2867-2882.	5.7	21
11	Bisimulation in Behavioral Dynamical Systems and Generalized Synchronization Trees. , 2018, , .		0
12	Probabilistically distorted risk-sensitive infinite-horizon dynamic programming. Automatica, 2018, 97, 1-6.	5.0	11
13	Adaptive System Optimization Using Random Directions Stochastic Approximation. IEEE Transactions on Automatic Control, 2017, 62, 2223-2238.	5.7	17
14	Opacity for switched linear systems: Notions and characterization. , 2017, , .		2
15	A framework for decentralized opacity in linear systems. , 2016, , .		3
16	A framework for opacity in linear systems. , 2016, , .		8
17	Cumulative weighting optimization. Journal of Global Optimization, 2016, 65, 487-512.	1.8	0
18	Simulation-based work load and job release control for semiconductor manufacturing. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Simulation-Based Algorithms for Markov Decision Processes. Communications and Control Engineering, 2013, , .	1.6	28
20	Cumulative weighting optimization: The discrete case. , 2013, , .		0
21	Dynamic programming with non-convex risk-sensitive measures. , 2013, , .		5
22	Dynamic sample budget allocation in model-based optimization. Journal of Global Optimization, 2011, 50, 575-596.	1.8	8
23	Solving Continuous-State POMDPs via Density Projection. IEEE Transactions on Automatic Control, 2010, 55, 1101-1116.	5.7	51
24	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
25	Model-based Evolutionary Optimization. , 2010, , .		6
26	Sensitivity analysis for barrier options. , 2009, , .		5
27	A new stochastic gradient estimator for American option pricing. , 2009, , .		1
28	Minimum wavelength assignment for multicast traffic in all-optical WDM tree networks. , 2008, , .		0
29	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
30	A density projection approach to dimension reduction for continuous-state POMDPs. , 2008, , .		6
31	An Asymptotically Efficient Simulation-Based Algorithm for Finite Horizon Stochastic Dynamic Programming. IEEE Transactions on Automatic Control, 2007, 52, 89-94.	5.7	19
32	Adversarial multi-armed bandit approach to two-person zero-sum Markov games. , 2007, , .		1
33	Grooming multicast traffic in unidirectional SONET/WDM rings. IEEE Journal on Selected Areas in Communications, 2007, 25, 70-83.	14.0	13
34	Recursive Learning Automata Approach to Markov Decision Processes. IEEE Transactions on Automatic Control, 2007, 52, 1349-1355.	5.7	13
35	Adversarial Multi-Armed Bandit Approach to Stochastic Optimization. , 2006, , .		1
36	Two-timescale algorithms for simulation optimization of hidden Markov models. IIE Transactions, 2001, 33, 245-258.	2.1	0

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37	Two-timescale algorithms for simulation optimization of hidden Markov models. IIE Transactions, 2001, 33, 245-258.	2.1	39
38	Adaptive Control and Cost Sensitivity of Stochastic Systems with Continuous State and Parameters, and Logical Controls. , 1991, , .		0
39	Distribution of dynamic loads for multiple cooperating robot manipulators. Journal of Field Robotics, 1989, 6, 35-47.	0.7	50
40	Supremal and maximal sublanguages arising in supervisor synthesis problems with partial observations. Mathematical Systems Theory, 1989, 22, 177-211.	0.5	38
41	On the immersion of a discrete time nonlinear system into a linear system. , 1987, , .		0
42	Remarks of discretization and linear equivalence of continuous time nonlinear systems. , 1987, , .		4
43	On input-output linearization of discrete-time nonlinear systems. Systems and Control Letters, 1987, 8, 249-259.	2.3	25
44	Approximate and local linearizability of non-linear discrete-time systems. International Journal of Control, 1986, 44, 1103-1124.	1.9	62