

Sean P Meyn

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,163
citations

933447

10
h-index

996975

15
g-index

42
all docs

42
docs citations

42
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	Ancillary Service to the Grid Through Control of Fans in Commercial Building HVAC Systems. IEEE Transactions on Smart Grid, 2014, 5, 2066-2074.	9.0	211
2	Experimental Evaluation of Frequency Regulation From Commercial Building HVAC Systems. IEEE Transactions on Smart Grid, 2015, 6, 776-783.	9.0	192
3	Ancillary Service to the Grid Using Intelligent Deferrable Loads. IEEE Transactions on Automatic Control, 2015, 60, 2847-2862.	5.7	136
4	Feedback Particle Filter. IEEE Transactions on Automatic Control, 2013, 58, 2465-2480.	5.7	122
5	How demand response from commercial buildings will provide the regulation needs of the grid. , 2012, , .		72
6	Random-Time, State-Dependent Stochastic Drift for Markov Chains and Application to Stochastic Stabilization Over Erasure Channels. IEEE Transactions on Automatic Control, 2013, 58, 47-59.	5.7	46
7	Performance Evaluation and Policy Selection in Multiclass Networks. Discrete Event Dynamic Systems: Theory and Applications, 2003, 13, 149-189.	1.5	41
8	Adaptive Mho relay for synchronous generator loss of excitation protection: a capability curve limit-based approach. IET Generation, Transmission and Distribution, 2016, 10, 3449-3457.	2.5	39
9	State Estimation for the Individual and the Population in Mean Field Control With Application to Demand Dispatch. IEEE Transactions on Automatic Control, 2017, 62, 1138-1149.	5.7	35
10	Poisson's Equation in Nonlinear Filtering. SIAM Journal on Control and Optimization, 2015, 53, 501-525.	2.1	31
11	Approximate dynamic programming using fluid and diffusion approximations with applications to power management. , 2009, , .		17
12	An Energy Storage Cost Comparison: Li-ion Batteries vs Distributed Load Control. , 2018, , .		15
13	Markets for differentiated electric power products in a Smart Grid environment. , 2012, , .		11
14	On the Efficiency of Equilibria in Mean-Field Oscillator Games. Dynamic Games and Applications, 2014, 4, 177-207.	1.9	11
15	Learning techniques for feedback particle filter design. , 2016, , .		11
16	Multi-dimensional feedback particle filter for coupled oscillators. , 2013, , .		9
17	Estimation and Control of Quality of Service in Demand Dispatch. IEEE Transactions on Smart Grid, 2018, 9, 5348-5356.	9.0	9
18	Model-Free Primal-Dual Methods for Network Optimization with Application to Real-Time Optimal Power Flow. , 2020, , .		9

#	ARTICLE	IF	CITATIONS
19	Generalized Error Exponents for Small Sample Universal Hypothesis Testing. IEEE Transactions on Information Theory, 2013, 59, 8157-8181.	2.4	8
20	Balancing California's Grid Without Batteries. , 2018, , .		8
21	What is the Lagrangian for Nonlinear Filtering?. , 2019, , .		8
22	Feedback Particle Filter for a Continuous-time Markov Chain. IEEE Transactions on Automatic Control, 2015, , 1-1.	5.7	7
23	Differential TD learning for value function approximation. , 2016, , .		7
24	Zap Q-Learning - A User's Guide. , 2019, , .		7
25	Kullback-Leibler-Quadratic Optimal Control of Flexible Power Demand. , 2019, , .		7
26	State Space Collapse in Resource Allocation for Demand Dispatch. , 2019, , .		6
27	Rational inattention in controlled Markov processes. , 2013, , .		5
28	Quasi-Stochastic Approximation and Off-Policy Reinforcement Learning. , 2019, , .		5
29	Error estimates for the kernel gain function approximation in the feedback particle filter. , 2017, , .		4
30	Feedback Particle Filter Design Using a Differential-Loss Reproducing Kernel Hilbert Space. , 2018, , .		4
31	Differential Temporal Difference Learning. IEEE Transactions on Automatic Control, 2021, 66, 4652-4667.	5.7	4
32	Distributed Control of Thermostatically Controlled Loads: Kullback-Leibler Optimal Control in Continuous Time. , 2019, , .		3
33	Zap Q-Learning for Optimal Stopping. , 2020, , .		3
34	Geometric ergodicity in a weighted Sobolev space. Annals of Probability, 2020, 48, .	1.8	2
35	Passive dynamics in mean field control. , 2014, , .		1
36	An Approach to Duality in Nonlinear Filtering. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Gain Function Tracking in the Feedback Particle Filter. , 2019, , .		1
38	Data-driven proximal algorithms for the design of structured optimal feedback gains. , 2019, , .		1
39	Simultaneous Allocation and Control of Distributed Energy Resources via Kullback-Leibler-Quadratic Optimal Control. , 2020, , .		1
40	Feedback particle filter for a continuous-time Markov chain. , 2013, , .		0