

Photios A Stavrou

List of Publications by Year in descending order

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74
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonanticipative Rate Distortion Function and Relations to Filtering Theory. IEEE Transactions on Automatic Control, 2014, 59, 937-952.	5.7	41
2	Directed Information on Abstract Spaces: Properties and Variational Equalities. IEEE Transactions on Information Theory, 2016, 62, 6019-6052.	2.4	35
3	Zero-Delay Rate Distortion via Filtering for Vector-Valued Gaussian Sources. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 841-856.	10.8	32
4	Optimal Estimation via Nonanticipative Rate Distortion Function and Applications to Time-Varying Gauss-Markov Processes. SIAM Journal on Control and Optimization, 2018, 56, 3731-3765.	2.1	23
5	Finite-Time Nonanticipative Rate Distortion Function for Time-Varying Scalar-Valued Gauss-Markov Sources. , 2018, 2, 175-180.		16
6	Optimization of directed information and relations to filtering theory. , 2014, , .		11
7	Sequential Necessary and Sufficient Conditions for Capacity Achieving Distributions of Channels With Memory and Feedback. IEEE Transactions on Information Theory, 2017, 63, 7095-7115.	2.4	11
8	The Time-Invariant Multidimensional Gaussian Sequential Rate-Distortion Problem Revisited. IEEE Transactions on Automatic Control, 2020, 65, 2245-2249.	5.7	11
9	Directed information on abstract spaces: Properties and extremum problems. , 2012, , .		9
10	Filtering with fidelity for time-varying Gauss-Markov processes. , 2016, , .		9
11	Information Nonanticipative Rate Distortion Function and Its Applications. Lecture Notes in Control and Information Sciences, 2015, , 317-324.	1.0	7
12	An upper bound to zero-delay rate distortion via Kalman filtering for vector Gaussian sources. , 2017, , .		6
13	LQG control and linear policies for noisy communication links with synchronized side information at the decoder. Automatica, 2021, 123, 109306.	5.0	6
14	Variational equalities of directed information and applications. , 2013, , .		4
15	Applications of information Nonanticipative Rate Distortion Function. , 2014, , .		4
16	Sequential Necessary and Sufficient Conditions for optimal channel input distributions of channels with memory and feedback. , 2016, , .		4
17	Achievable performance of zero-delay variable-rate coding in rate-constrained networked control systems with channel delay. , 2017, , .		4
18	Fixed-Rate Zero-Delay Source Coding for Stationary Vector-Valued Gauss-Markov Sources. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Secure Source Coding with Side-information at Decoder and Shared Key at Encoder and Decoder. , 2021, , .		4
20	Empirical Coordination with Multiple Descriptions. , 2019, , .		3
21	The Effect of Time Delay on the Average Data Rate and Performance in Networked Control Systems. IEEE Transactions on Automatic Control, 2022, 67, 16-31.	5.7	3
22	Sequential Source Coding for Stochastic Systems Subject to Finite Rate Constraints. IEEE Transactions on Automatic Control, 2022, 67, 3822-3835.	5.7	3
23	Asymptotic Reverse-Waterfilling Characterization of Nonanticipative Rate Distortion Function of Vector-Valued Gauss-Markov Processes with MSE Distortion. , 2018, , .		2
24	Bounds on the Sum-Rate of MIMO Causal Source Coding Systems with Memory under Spatio-Temporal Distortion Constraints. Entropy, 2020, 22, 842.	2.2	2
25	Asymptotic Reverse Waterfilling Algorithm of NRDF for Certain Classes of Vector Gauss-Markov Processes. IEEE Transactions on Automatic Control, 2022, 67, 3196-3203.	5.7	2
26	Secure Block Source Coding With Sequential Encoding. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 32-48.	2.5	2
27	New Formulation and Computation of NRDF for Time-Varying Multivariate Gaussian Processes With Correlated Noise. , 2022, 6, 331-336.		2
28	Optimizing Low-Complexity Analog Mappings for Low-Power Sensors With Energy Scheduling Capabilities. IEEE Internet of Things Journal, 2022, 9, 17387-17402.	8.7	2
29	Stochastic control over finite capacity channels: Causality, feedback and uncertainty. , 2009, , .		1
30	Block Source Coding with Sequential Encoding. , 2019, , .		1
31	Nonanticipative Duality of Sources and Channels with Memory and Feedback. Lecture Notes in Control and Information Sciences, 2015, , 325-335.	1.0	1
32	Rate distortion function with causal decoding. , 2010, , .		0
33	Minimax rate distortion for a class of sources. , 2010, , .		0
34	New Formulation of NRDF to Compute Partially Observed Gaussian Processes with MSE Distortion. , 2021, , .		0
35	Stochastic control over finite capacity channels: Causality and feedback. , 2009, , .		0
36	On the relation of nonanticipative rate distortion function and filtering theory. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	On Shannon's Duality of a Source and a Channel and Nonanticipative Communication and Communication for Control. Lecture Notes in Control and Information Sciences, 2015, , 291-305.	1.0	0
38	Directed Information Subject to a Fidelity. Applications to Conditionally Gaussian Processes. , 2018, , .		0
39	Non-asymptotic Bounds via Causal Coding on Scalar-Valued Gauss-Markov Sources with MSE Distortion and CaSI. , 2020, , .		0
40	Generalized Talagrand Inequality for Sinkhorn Distance using Entropy Power Inequality. , 2021, , .		0