# Photios A Stavrou

## List of Publications by Year
in descending order

| 40 papers | 267 citations | 1307594 7 h-index | 1058476 14 g-index |
|---|---|---|---|
| 41 all docs | 41 docs citations | 41 times ranked | 74 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | 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 |
| 2 | Asymptotic Reverse Waterfilling Algorithm of NRDF for Certain Classes of Vector Gaussâ€"Markov Processes. IEEE Transactions on Automatic Control, 2022, 67, 3196-3203. | 5.7 | 2 |
| 3 | New Formulation and Computation of NRDF for Time-Varying Multivariate Gaussian Processes With Correlated Noise. , 2022, 6, 331-336. | | 2 |
| 4 | Sequential Source Coding for Stochastic Systems Subject to Finite Rate Constraints. IEEE Transactions on Automatic Control, 2022, 67, 3822-3835. | 5.7 | 3 |
| 5 | 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 |
| 6 | LQG control and linear policies for noisy communication links with synchronized side information at the decoder. Automatica, 2021, 123, 109306. | 5.0 | 6 |
| 7 | Secure Block Source Coding With Sequential Encoding. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 32-48. | 2.5 | 2 |
| 8 | New Formulation of NRDF to Compute Partially Observed Gaussian Processes with MSE Distortion. , 2021, , . | | 0 |
| 9 | Secure Source Coding with Side-information at Decoder and Shared Key at Encoder and Decoder. , 2021, , . | | 4 |
| 10 | Generalized Talagrand Inequality for Sinkhorn Distance using Entropy Power Inequality. , 2021, , . | | 0 |
| 11 | The Time-Invariant Multidimensional Gaussian Sequential Rate-Distortion Problem Revisited. IEEE Transactions on Automatic Control, 2020, 65, 2245-2249. | 5.7 | 11 |
| 12 | 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 |
| 13 | Non-asymptotic Bounds via Causal Coding on Scalar-Valued Gauss-Markov Sources with MSE Distortion and CaSI. , 2020, , . | | 0 |
| 14 | Empirical Coordination with Multiple Descriptions. , 2019, , . | | 3 |
| 15 | Block Source Coding with Sequential Encoding. , 2019, , . | | 1 |
| 16 | Finite-Time Nonanticipative Rate Distortion Function for Time-Varying Scalar-Valued Gauss-Markov Sources. , 2018, 2, 175-180. | | 16 |
| 17 | Asymptotic Reverse-Waterfilling Characterization of Nonanticipative Rate Distortion Function of Vector-Valued Gauss-Markov Processes with MSE Distortion. , 2018, , . | | 2 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | 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 |
| 20 | Fixed-Rate Zero-Delay Source Coding for Stationary Vector-Valued Gauss-Markov Sources. , 2018, , . | | 4 |
| 21 | Directed Information Subject to a Fidelity. Applications to Conditionally Gaussian Processes. , 2018, , . | | 0 |
| 22 | 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 |
| 23 | An upper bound to zero-delay rate distortion via Kalman filtering for vector Gaussian sources. , 2017, , . | | 6 |
| 24 | Achievable performance of zero-delay variable-rate coding in rate-constrained networked control systems with channel delay. , 2017, , . | | 4 |
| 25 | Filtering with fidelity for time-varying Gauss-Markov processes. , 2016, , . | | 9 |
| 26 | Sequential Necessary and Sufficient Conditions for optimal channel input distributions of channels with memory and feedback. , 2016, , . | | 4 |
| 27 | Directed Information on Abstract Spaces: Properties and Variational Equalities. IEEE Transactions on Information Theory, 2016, 62, 6019-6052. | 2.4 | 35 |
| 28 | Information Nonanticipative Rate Distortion Function and Its Applications. Lecture Notes in Control and Information Sciences, 2015, , 317-324. | 1.0 | 7 |
| 29 | On Shannonâ€™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 |
| 30 | Nonanticipative Duality of Sources and Channels with Memory and Feedback. Lecture Notes in Control and Information Sciences, 2015, , 325-335. | 1.0 | 1 |
| 31 | Applications of information Nonanticipative Rate Distortion Function. , 2014, , . | | 4 |
| 32 | Optimization of directed information and relations to filtering theory. , 2014, , . | | 11 |
| 33 | Nonanticipative Rate Distortion Function and Relations to Filtering Theory. IEEE Transactions on Automatic Control, 2014, 59, 937-952. | 5.7 | 41 |
| 34 | Variational equalities of directed information and applications. , 2013, , . | | 4 |
| 35 | On the relation of nonanticipative rate distortion function and filtering theory. , 2013, , . | | 0 |
| 36 | Directed information on abstract spaces: Properties and extremum problems. , 2012, , . | | 9 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 37 | Rate distortion function with causal decoding. , 2010, , . | | 0 |
| 38 | Minimax rate distortion for a class of sources. , 2010, , . | | 0 |
| 39 | Stochastic control over finite capacity channels: Causality, feedback and uncertainty. , 2009, , . | | 1 |
| 40 | Stochastic control over finite capacity channels: Causality and feedback. , 2009, , . | | 0 |