Laszlo Gerencser

List of Publications by Year
in descending order

54 papers	589 citations	687363 13 h-index	677142 22 g-index
54 all docs	54 docs citations	54 times ranked	280 citing authors

#	Article	IF	Citations
1	Hawkes processes: some key ideas, links to neuroscience and system identification. Communications in Information and Systems, 2021, 21, 385-413.	0.5	1
2	Detecting Change between Urban Road Environments along a Route Based on Static Road Object Occurrences. Applied Sciences (Switzerland), 2021, 11, 3666.	2.5	1
3	Real-time analysis of neuronal firing patterns via Hawkes processes. , 2021, , .		0
4	Experimenting with Routes of Different Geometric Complexity in the Context of Urban Road Environment Detection from Traffic Sign Data. Advances in Intelligent Systems and Computing, 2019, , 23-32.	0.6	2
5	Asymptotic Analysis of the LMS Algorithm with Momentum. , 2018, , .		0
6	Detecting Change in the Urban Road Environment Along a Route Based on Traffic Sign and Crossroad Data. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 252-262.	0.3	3
7	Detecting change in road environment via analysis of marked point processes associated with traffic signs. Transportation Research Procedia, 2017, 22, 75-84.	1.5	7
8	Adaptive Input Design for LTI Systems. IEEE Transactions on Automatic Control, 2017, 62, 2390-2405.	5.7	3
9	Inferring the actual urban road environment from traffic sign data using a minimum description length approach. Transportation Research Procedia, 2017, 27, 516-523.	1.5	6
10	Locating roadworks sites via detecting change in lateral positions of traffic signs measured relative to the ego-car. Transportation Research Procedia, 2017, 27, 341-348.	1.5	5
11	Stigmatellin Probes the Electrostatic Potential in the QB Site of the Photosynthetic Reaction Center. Biophysical Journal, 2015, 108, 379-394.	0.5	3
12	Empirical characteristic function identification of linear stochastic systems with possibly unstable zeros. , 2014, , .		0
13	Change detection for finite dimensional Gaussian linear systems - a bound for the almost sure false alarm rate. , 2013, , .		1
14	Adaptive experiment design for ARMAX systems?. , 2012, , .		1
15	Real time estimation of stochastic volatility processes. Annals of Operations Research, 2012, 200, 223-246.	4.1	5
16	A two-stage information criterion for stochastic systems revisited. Automatica, 2011, 47, 2791-2795.	5.0	1
17	An adaptive method for consistent estimation of real-valued non-minimum phase zeros in stable LTI systems. Automatica, 2011, 47, 1388-1398.	5.0	13
18	Input–output properties of the Page–Hinkley detector. Systems and Control Letters, 2011, 60, 486-491.	2.3	4

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19	Identification of ARX systems with non-stationary inputs â€" asymptotic analysis with application to adaptive input design. Automatica, 2009, 45, 623-633.	5.0	52
20	Consistent estimation of real NMP zeros in stable LTI systems of arbitrary complexity. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 922-927.	0.4	2
21	A behavioral stock market model. Mathematical Methods of Operations Research, 2008, 67, 43-63.	1.0	3
22	Turnover of ubiquinone-0 at the acceptor side of photosynthetic reaction center. European Biophysics Journal, 2008, 37, 1195-1205.	2.2	5
23	Almost sure and L^q-convergence of the re-initialized BMP scheme. , 2007, , .		4
24	Mechanism of Quinol Oxidation by Ferricenium Produced by Light Excitation in Reaction Centers of Photosynthetic Bacteria. Journal of Physical Chemistry B, 2007, 111, 4261-4270.	2.6	21
25	Adaptive input design for ARX systems. , 2007, , .		3
26	An improved bound for the exponential stability of predictive filters of hidden Markov models. Communications in Information and Systems, 2007, 7, 133-152.	0.5	4
27	Identification of Hidden Markov Models - Uniform LLN-s. Lecture Notes in Control and Information Sciences, 2007, , 135-150.	1.0	2
28	Almost sure convergence of the BMP scheme with resetting. , 2007, , .		0
29	On the top-Lyapunov exponent of block-triangular stationary random matrices. , 2007, , .		0
30	Uncoupling of Electron and Proton Transfers in the Photocycle of Bacterial Reaction Centers under High Light Intensity. Biochemistry, 2006, 45, 5650-5662.	2.5	5
31	A Representation Theorem for the Error of Recursive Estimators. SIAM Journal on Control and Optimization, 2006, 44, 2123-2188.	2.1	23
32	A Representation Theorem for the Error of Recursive Estimators. , 2006, , .		1
33	A prediction-based behavioral model for financial markets. , 2003, , .		0
34	A NEW METHOD FOR THE ANALYSIS OF HIDDEN MARKOV MODEL ESTIMATES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 443-447.	0.4	4
35	The use of the SPSA method in ECG analysis. IEEE Transactions on Biomedical Engineering, 2002, 49, 1094-1101.	4.2	23
36	Stability of Random Iterative Mappings. Profiles in Operations Research, 2002, , 359-371.	0.4	4

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37	Randomization Methods in Optimization and Adaptive Control. , 2002, , 137-153.		2
38	Retardation of Proton Transfer Caused by Binding of the Transition Metal Ion to the Bacterial Reaction Center Is Due to pKaShifts of Key Protonatable Residuesâ€. Biochemistry, 2001, 40, 1850-1860.	2.5	52
39	Unbinding of Oxidized Cytochrome c from Photosynthetic Reaction Center of Rhodobacter sphaeroides Is the Bottleneck of Fast Turnover. Biochemistry, 1999, 38, 16866-16875.	2.5	50
40	Parametric Uncertainty of an Adaptive LQ Controller with Periodic Excitation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 449-454.	0.4	1
41	Rate of convergence of the LMS method. Systems and Control Letters, 1995, 24, 385-388.	2.3	5
42	On Rissanen's predictive stochastic complexity for stationary ARMA processes. Journal of Statistical Planning and Inference, 1994, 41, 303-325.	0.6	31
43	Strong approximation of the recursive prediction error estimator of the parameters of an ARMA process. Systems and Control Letters, 1993, 21, 347-351.	2.3	7
44	Multiple integrals with respect to L-mixing processes. Statistics and Probability Letters, 1993, 17, 73-83.	0.7	4
45	Asymptotics of Predictive Stochastic Complexity. The IMA Volumes in Mathematics and Its Applications, 1993, , 93-112.	0.5	3
46	Rate of Convergence of Recursive Estimators. SIAM Journal on Control and Optimization, 1992, 30, 1200-1227.	2.1	68
47	Fixed gain estimation and tracking. , 1992, , 198-209.		0
48	Almost sure exponential stability of random linear differential equations. Stochastic and Stochastics Reports, 1991, 36, 91-107.	0.6	17
49	Strong approximation results in estimation and adaptive control. , 1991, , 268-299.		17
50	Strong approximation of vector-valued stochastic integrals. Statistics and Probability Letters, 1991, 12, 201-207.	0.7	5
51	Closed loop parameter identifiability and adaptive control of a linear stochastic system. Systems and Control Letters, 1990, 15, 411-416.	2.3	22
52	On the martingale approximation of the estimation error of ARMA parameters. Systems and Control Letters, 1990, 15, 417-423.	2.3	30
53	On a class of mixing processes. Stochastic and Stochastics Reports, 1989, 26, 165-191.	0.6	63
54	A note on the formal derivative of time series. International Journal of Control, 1982, 36, 893-896.	1.9	0