BalÃ¡zs CsanÃ¡d CsÃ¡ji

List of Publications by Year
in descending order

24 papers	571 citations	1163117 8 h-index	1058476 14 g-index
24 all docs	24 docs citations	24 times ranked	614 citing authors

#	Article	IF	Citations
1	Exact Distribution-Free Hypothesis Tests for the Regression Function of Binary Classification via Conditional Kernel Mean Embeddings. , 2022, 6, 860-865.		1
2	Nonparametric, Nonasymptotic Confidence Bands With Paley-Wiener Kernels for Band-Limited Functions. , 2022, 6, 3355-3360.		2
3	A simultaneous localization and mapping algorithm for sensors with low sampling rate and its application to autonomous mobile robots. Procedia Manufacturing, 2021, 54, 154-159.	1.9	2
4	Automated stem cell production by bio-inspired control. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 369-379.	4.5	3
5	Bio-inspired control of automated stem cell production. Procedia CIRP, 2020, 88, 600-605.	1.9	8
6	Distribution-free uncertainty quantification for kernel methods by gradient perturbations. Machine Learning, 2019, 108, 1677-1699.	5.4	8
7	Semi-Parametric Uncertainty Bounds for Binary Classification. , 2019, , .		1
8	Non-asymptotic Confidence Regions for Regularized Linear Regression Estimates. Mathematics in Industry, 2019, , 605-611.	0.3	2
9	Finite-Sample System Identification: An Overview and a New Correlation Method. , 2018, 2, 61-66.		46
10	Towards D-Optimal Input Design for Finite-Sample System Identification. IFAC-PapersOnLine, 2018, 51, 215-220.	0.9	0
11	Asymptotic properties of SPS confidence regions. Automatica, 2017, 82, 287-294.	5.0	28
12	Wireless Multi-Sensor Networks for Smart Cities: A Prototype System With Statistical Data Analysis. IEEE Sensors Journal, 2017, 17, 7667-7676.	4.7	50
13	Undermodelling Detection with Sign-Perturbed Sums * *The work of A. CacÃ¨ was supported by the European Re-search Consortium for Informatics and Mathematics (ERCIM) and the Australian Research Council (ARC) under Discovery Grant DP130104028. The work of M.C. Campi was partly supported by MIUR - Ministero dellâ€™Istruzione, dellâ€™UniversitÃ e della Ricerca and by the H & W program of the University of Brescia under the project CLAFITE. The work of B. Cs. CsÃ¡ji was supported by the GINOP-2.3.2-15-2016-00002 grant. IFAC-PapersOnLine, 2017, 50, 2744-2749.	0.9	2
14	Intelligent control for energy-positive street lighting. Energy, 2016, 114, 40-51.	8.8	46
15	Closed-loop applicability of the Sign-Perturbed Sums method. , 2015, , .		4
16	Sign-Perturbed Sums (SPS) with instrumental variables for the identification of ARX systems. , 2015, , .		9
17	Sign-Perturbed Sums: A New System Identification Approach for Constructing Exact Non-Asymptotic Confidence Regions in Linear Regression Models. IEEE Transactions on Signal Processing, 2015, 63, 169-181.	5.3	45
18	Cooperative control in production and logistics. Annual Reviews in Control, 2015, 39, 12-29.	7.9	65

#	Article	IF	Citations
19	Strong consistency of the Sign-Perturbed Sums method. , 2014, , .		4
20	PageRank optimization by edge selection. Discrete Applied Mathematics, 2014, 169, 73-87.	0.9	35
21	Exploring the mobility of mobile phone users. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1459-1473.	2.6	182
22	Non-Asymptotic Confidence Regions for the Least-Squares Estimate. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 227-232.	0.4	17
23	Sign-perturbed sums (SPS): A method for constructing exact finite-sample confidence regions for general linear systems. , 2012, , .		8
24	System identification with binary observations by stochastic approximation and active learning. , 2011, , .		3