

Balázs Csárd Csáji

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

571
citations

1162367

8
h-index

1058022

14
g-index

24
all docs

24
docs citations

24
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the mobility of mobile phone users. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1459-1473.	1.2	182
2	Cooperative control in production and logistics. <i>Annual Reviews in Control</i> , 2015, 39, 12-29.	4.4	65
3	Wireless Multi-Sensor Networks for Smart Cities: A Prototype System With Statistical Data Analysis. <i>IEEE Sensors Journal</i> , 2017, 17, 7667-7676.	2.4	50
4	Intelligent control for energy-positive street lighting. <i>Energy</i> , 2016, 114, 40-51.	4.5	46
5	Finite-Sample System Identification: An Overview and a New Correlation Method. , 2018, 2, 61-66.		46
6	Sign-Perturbed Sums: A New System Identification Approach for Constructing Exact Non-Asymptotic Confidence Regions in Linear Regression Models. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 169-181.	3.2	45
7	PageRank optimization by edge selection. <i>Discrete Applied Mathematics</i> , 2014, 169, 73-87.	0.5	35
8	Asymptotic properties of SPS confidence regions. <i>Automatica</i> , 2017, 82, 287-294.	3.0	28
9	Non-Asymptotic Confidence Regions for the Least-Squares Estimate. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 227-232.	0.4	17
10	Sign-Perturbed Sums (SPS) with instrumental variables for the identification of ARX systems. , 2015, , .		9
11	Sign-perturbed sums (SPS): A method for constructing exact finite-sample confidence regions for general linear systems. , 2012, , .		8
12	Distribution-free uncertainty quantification for kernel methods by gradient perturbations. <i>Machine Learning</i> , 2019, 108, 1677-1699.	3.4	8
13	Bio-inspired control of automated stem cell production. <i>Procedia CIRP</i> , 2020, 88, 600-605.	1.0	8
14	Strong consistency of the Sign-Perturbed Sums method. , 2014, , .		4
15	Closed-loop applicability of the Sign-Perturbed Sums method. , 2015, , .		4
16	System identification with binary observations by stochastic approximation and active learning. , 2011, , .		3
17	Automated stem cell production by bio-inspired control. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 33, 369-379.	2.3	3
18	Undermodelling Detection with Sign-Perturbed Sums * *The work of A. Carã 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 dell'€Istruzione, dell'€UniversitÃ e della Ricerca and by the H & W program of the University of Brescia under the project CLAFITE. The work of B. Cs. CsÃiji was supported by the GINOP-2.3.2-15-2016-00002 grant. <i>IFAC-PapersOnLine</i> , 2017, 50, 2744-2749.	0.5	2

#	ARTICLE	IF	CITATIONS
19	A simultaneous localization and mapping algorithm for sensors with low sampling rate and its application to autonomous mobile robots. <i>Procedia Manufacturing</i> , 2021, 54, 154-159.	1.9	2
20	Non-asymptotic Confidence Regions for Regularized Linear Regression Estimates. <i>Mathematics in Industry</i> , 2019, , 605-611.	0.1	2
21	Nonparametric, Nonasymptotic Confidence Bands With Paley-Wiener Kernels for Band-Limited Functions. , 2022, 6, 3355-3360.		2
22	Semi-Parametric Uncertainty Bounds for Binary Classification. , 2019, , .		1
23	Exact Distribution-Free Hypothesis Tests for the Regression Function of Binary Classification via Conditional Kernel Mean Embeddings. , 2022, 6, 860-865.		1
24	Towards D-Optimal Input Design for Finite-Sample System Identification. <i>IFAC-PapersOnLine</i> , 2018, 51, 215-220.	0.5	0