# 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 | Exploring the mobility of mobile phone users. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1459-1473. | 2.6 | 182 |
| 2 | Cooperative control in production and logistics. Annual Reviews in Control, 2015, 39, 12-29. | 7.9 | 65 |
| 3 | Wireless Multi-Sensor Networks for Smart Cities: A Prototype System With Statistical Data Analysis. IEEE Sensors Journal, 2017, 17, 7667-7676. | 4.7 | 50 |
| 4 | Intelligent control for energy-positive street lighting. Energy, 2016, 114, 40-51. | 8.8 | 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. IEEE Transactions on Signal Processing, 2015, 63, 169-181. | 5.3 | 45 |
| 7 | PageRank optimization by edge selection. Discrete Applied Mathematics, 2014, 169, 73-87. | 0.9 | 35 |
| 8 | Asymptotic properties of SPS confidence regions. Automatica, 2017, 82, 287-294. | 5.0 | 28 |
| 9 | 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 |
| 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. Machine Learning, 2019, 108, 1677-1699. | 5.4 | 8 |
| 13 | Bio-inspired control of automated stem cell production. Procedia CIRP, 2020, 88, 600-605. | 1.9 | 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. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 369-379. | 4.5 | 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 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Non-asymptotic Confidence Regions for Regularized Linear Regression Estimates. Mathematics in Industry, 2019, , 605-611. | 0.3 | 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. IFAC-PapersOnLine, 2018, 51, 215-220. | 0.9 | 0 |