

Giulio Bottegal

List of Publications by Year in descending order

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44
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Regularized spectrum estimation using stable spline kernels. Automatica, 2013, 49, 3199-3209.	5.0	63
2	Estimation of building occupancy levels through environmental signals deconvolution. , 2013, , .		42
3	Robust EM kernel-based methods for linear system identification. Automatica, 2016, 67, 114-126.	5.0	37
4	A new kernel-based approach to system identification with quantized output data. Automatica, 2017, 85, 145-152.	5.0	36
5	Regularized Deconvolution-Based Approaches for Estimating Room Occupancies. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1157-1168.	5.2	34
6	A nonparametric kernel-based approach to Hammerstein system identification. Automatica, 2017, 85, 234-247.	5.0	33
7	An empirical Bayes approach to identification of modules in dynamic networks. Automatica, 2018, 91, 144-151.	5.0	30
8	A two-experiment approach to Wiener system identification. Automatica, 2018, 93, 282-289.	5.0	19
9	Bayesian topology identification of linear dynamic networks. , 2019, , .		14
10	Blind identification strategies for room occupancy estimation. , 2015, , .		13
11	Local Module Identification in Dynamic Networks Using Regularized Kernel-Based Methods. , 2018, , .		13
12	Modeling Complex Systems by Generalized Factor Analysis. IEEE Transactions on Automatic Control, 2015, 60, 759-774.	5.7	11
13	Learning linear modules in a dynamic network using regularized kernel-based methods. Automatica, 2021, 129, 109591.	5.0	11
14	A new kernel-based approach to overparameterized Hammerstein system identification. , 2015, , .		10
15	Preserving Privacy of Finite Impulse Response Systems. , 2017, 1, 128-133.		10
16	Blind system identification using kernel-based methods**This work was supported by the European Research Council under the advanced grant LEARN, contract 267381 and by the Swedish Research Council under contract 621-2009-4017.. IFAC-PapersOnLine, 2015, 48, 466-471.	0.9	9
17	Identification of Linear Models From Quantized Data: A Midpoint-Projection Approach. IEEE Transactions on Automatic Control, 2020, 65, 2801-2813.	5.7	9
18	Outlier robust system identification: a Bayesian kernel-based approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1073-1078.	0.4	8

#	ARTICLE	IF	CITATIONS
19	Bayesian kernel-based system identification with quantized output data. IFAC-PapersOnLine, 2015, 48, 455-460.	0.9	8
20	A kernel-based approach to Hammerstein system identification**This work was supported by the European Research Council under the advanced grant LEARN, contract 267381 and by the Swedish Research Council under contract 621-2009-4017. IFAC-PapersOnLine, 2015, 48, 1011-1016.	0.9	7
21	Modeling and identification of uncertain-input systems. Automatica, 2019, 105, 130-141.	5.0	7
22	On the identifiability of errors-in-variables models with white measurement errors. Automatica, 2011, 47, 545-551.	5.0	6
23	Identification of modules in dynamic networks: An empirical Bayes approach. , 2016, , .		6
24	On the Zero-Freeness of Tall Multirate Linear Systems. IEEE Transactions on Automatic Control, 2016, 61, 3606-3611.	5.7	6
25	Multi-room occupancy estimation through adaptive gray-box models. , 2015, , .		5
26	A note on generalized factor analysis models. , 2011, , .		3
27	A benchmark for data-based office modeling: challenges related to CO2 dynamics**The research leading to these results has received funding from the European Union Seventh Framework Programme [FP7/2007-2013] under grant agreement nffi257462 HYCON2 Network of excellence, the European Institute of Technology (EIT) Information and Communication Technology (ICT) Labs, the Swedish Energy Agency, the Swedish Governmental Agency for Innovation Systems (VINNOVA), the Knut and Alice Wallenberg Foundation, the European. IFAC-PapersOnLine, 2015, 48, 1256-1261.	0.9	3
28	Outlier robust kernel-based system identification using $\hat{\sigma}$ -Laplace techniques. , 2015, , .		3
29	On the estimation of initial conditions in kernel-based system identification. , 2015, , .		3
30	Variational Bayes identification of acyclic dynamic networks * *This work was supported by the Swedish Research Council under contracts 2015-05285 and 2016-06079, and by the European Research Council under the advanced grants LEARN, contract 267381, and SYSIDNET, contract 694504. IFAC-PapersOnLine, 2017, 50, 10556-10561.	0.9	3
31	On the variance of identified SIMO systems with spatially correlated output noise. , 2014, , .		2
32	On the variance analysis of identified linear MIMO models. , 2015, , .		2
33	Kernel-based system identification from noisy and incomplete input-output data. , 2016, , .		2
34	Variance analysis of linear SIMO models with spatially correlated noise. Automatica, 2017, 77, 68-81.	5.0	2
35	Approximate Maximum-likelihood Identification of Linear Systems from Quantized Measurements. IFAC-PapersOnLine, 2018, 51, 724-729.	0.9	2
36	Boosting as a kernel-based method. Machine Learning, 2019, 108, 1951-1974.	5.4	2

#	ARTICLE	IF	CITATIONS
37	On the Effect of Noise Correlation in Parameter Identification of SIMO Systems**This work was partially supported by the Swedish Research Council under contract 621-2009-4017, and by the European Research Council under the advanced grant LEARN, contract 267381.. IFAC-PapersOnLine, 2015, 48, 326-331.	0.9	1
38	Approximate inference of nonparametric Hammerstein models * *This work was supported by the Swedish Research Council under contracts 2015-05285 and 2016-06079, and by the European Research Council under the advanced grants LEARN, contract 267381, and SYSIDNET, contract 694504. IFAC-PapersOnLine, 2017, 50, 8333-8338.	0.9	1
39	On maximum likelihood identification of errors-in-variables models. IFAC-PapersOnLine, 2017, 50, 2824-2829.	0.9	1
40	Modeling random flocks through Generalized Factor Analysis. , 2013, , .		1
41	Regularized spectrum estimation in spaces induced by stable spline kernels. , 2012, , .		0
42	On the properties of linear multirate systems with coprime output rates. , 2013, , .		0
43	Analysis and identification of complex stochastic systems admitting a flocking structure. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2323-2328.	0.4	0
44	Probabilistic matrix factorization from quantized measurements. , 2017, , .		0