

# PÃ©ter ZoltÃ¡n Csurscia

## List of Publications by Year in descending order

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24  
papers

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citations

1478505

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all docs

24  
docs citations

24  
times ranked

72  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient multidimensional regularization for Volterra series estimation. Mechanical Systems and Signal Processing, 2018, 104, 896-914.	8.0	22
2	Nonparametric Estimation of Time-Varying Systems Using 2-D Regularization. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1259-1270.	4.7	21
3	Static nonlinearity handling using best linear approximation: An introduction. Pollack Periodica, 2013, 8, 153-165.	0.4	21
4	User-friendly nonlinear nonparametric estimation framework for vibro-acoustic industrial measurements with multiple inputs. Mechanical Systems and Signal Processing, 2020, 145, 106926.	8.0	18
5	Simplified Analysis for Multiple Input Systems: A Toolbox Study Illustrated on F-16 Measurements. Vibration, 2020, 3, 70-84.	1.9	12
6	Nonparametric Time-Domain Identification of Linear Slowly Time-Variant Systems Using B-Splines. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 252-262.	4.7	11
7	Identification of time-varying systems using a two-dimensional B-spline algorithm. , 2012, , .		10
8	A first study of using B-splines in nonparametric system identification. , 2013, , .		10
9	The Best Linear Approximation of MIMO Systems: First Results on Simplified Nonlinearity Assessment. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 53-64.	0.5	7
10	Nonparametric Volterra Series Estimate of the Cascaded Water Tanks Using Multidimensional Regularization. IFAC-PapersOnLine, 2017, 50, 476-481.	0.9	6
11	Experimental Validation of a Data-Driven Step Input Estimation Method for Dynamic Measurements. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4843-4851.	4.7	6
12	A frequency domain approach for local module identification in dynamic networks. Automatica, 2022, 142, 110370.	5.0	6
13	Image Distortion Characterization due to Equivalent Monostatic Approximation in Near-Field Bistatic SAR Imaging. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4898-4907.	4.7	4
14	An empirical study on decoupling PNLSS models illustrated on an airplane. IFAC-PapersOnLine, 2021, 54, 673-678.	0.9	4
15	Nonparametric estimation of a time-variant system: An experimental study of B-splines and the regularization based smoothing. , 2015, , .		3
16	Estimating a nonparametric data-driven model of the lift on a pitching wing. Journal of Physics: Conference Series, 2020, 1618, 052018.	0.4	3
17	MUMI: Multisine for multiple input systems: A user-friendly excitation toolbox for physical systems. Software Impacts, 2022, 11, 100192.	1.4	3
18	LPRM: A user-friendly iteration-free combined Local Polynomial and Rational Method toolbox for measurements of multiple input systems. Software Impacts, 2022, 12, 100238.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Digital implementation of the PID controller. <i>Software Impacts</i> , 2022, 13, 100306.	1.4	3
20	First Results on Regularized Time-Varying Operational Modal Analysis. <i>IFAC-PapersOnLine</i> , 2018, 51, 162-167.	0.9	2
21	Bias and covariance of the least squares estimate in a structured errors-in-variables problem. <i>Computational Statistics and Data Analysis</i> , 2020, 144, 106893.	1.2	2
22	A Comprehensive Bi-Static Amplitude Compensated Range Migration Algorithm (AC-RMA). <i>IEEE Transactions on Image Processing</i> , 2021, 30, 7038-7049.	9.8	2
23	User-Friendly Method to Split Up the Multiple Coherence Function Into Noise, Nonlinearity and Transient Components Illustrated on Ground Vibration Testing of an F-16 Fighting Falcon. <i>Journal of Vibration Engineering and Technologies</i> , 2022, 10, 2577-2591.	2.2	2
24	Digital oscilloscope displays results together with confidence bounds. , 2009, , .		1