Maciej Patan

List of Publications by Year
in descending order

63 papers	598 citations	759055 12 h-index	677027 22 g-index
71 all docs	71 docs citations	71 times ranked	276 citing authors

#	Article	IF	Citations
1	Neural-network-based nonlinear iterative learning control: Magnetic brake study. , 2021, , .		0
2	Optimal Sensor Selection for Estimation of Distributed Parameter Systems. Studies in Systems, Decision and Control, 2021, , 329-357.	0.8	0
3	Maximin Efficient Sensor Location for Parameter Estimation of Spatiotemporal Systems. , 2021, , .		1
4	Neural-network-based iterative learning control of nonlinear systems. ISA Transactions, 2020, 98, 445-453.	3.1	55
5	Sensor Fault-Tolerant Control Design for Magnetic Brake System. Sensors, 2020, 20, 4598.	2.1	5
6	Robustness of Neural-Network-based Nonlinear Iterative Learning Control. , 2020, , .		2
7	Iterative learning control of deflections in vibrating beam. , 2019, , .		3
8	Generalized Simplicial Decomposition for Optimal Sensor Selection in Parameter Estimation of Spatiotemporal Processes. , 2019, , .		1
9	Sensor Location for Parameter Estimation of Spatiotemporal Systems with Correlated Observations. , 2019, , .		1
10	Iterative learning control of the displacements of a cantilever beam. , 2019, , .		6
11	Neural-network-based high-order iterative learning control. , 2019, , .		5
12	Iterative Learning Control of Repetitive Transverse Loads in Elastic Materials. , 2018, , .		7
13	Distributed scheduling of measurements in a sensor network for parameter estimation of spatio-temporal systems. International Journal of Applied Mathematics and Computer Science, 2018, 28, 39-54.	1.5	7
14	Application of Iterative Learning Methods to Control of a LEGO Wheeled Mobile Robot. , 2018, , .		1
15	Remote Control of Robotic Manipulator Under Delays in Communication Channel. , 2018, , .		1
16	Robust sensor location for parameter estimation in iterative learning control of spatio-temporal systems. , 2017, , .		0
17	Neural networks in design of iterative learning control for nonlinear systems * *This work was supported by National Science Centre in Poland under the grant 2014/15/B/ST7/03208.. IFAC-PapersOnLine, 2017, 50, 13402-13407.	0.5	23
18	A sparsity-enforcing method for optimal node activation in parameter estimation of spatiotemporal processes. , 2017, , .		3

#	Article	IF	Citations
19	Distributed Configuration of Sensor Network for Fault Detection in Spatio-Temporal Systems. Journal of Physics: Conference Series, 2017, 783, 012010.	0.3	1
20	Distributed design of sensor network for abnormal state detection in distributed parameter systems. Advances in Intelligent Systems and Computing, 2017, , 621-630.	0.5	0
21	Cost-constrained D-optimum node activation for large-scale monitoring networks. , 2016, , .		10
22	D-optimal spatio-temporal sampling design for identification of distributed parameter systems. , 2016, , .		5
23	Optimum training design for neural network in synthesis of robust model predictive control. , 2016, , .		1
24	Optimal sensor selection for model identification in iterative learning control of spatio-temporal systems. , 2016, , .		12
25	Design of iterative learning control by the means of state space neural networks. , 2016, , .		1
26	Communication scheduling for fast distributed averaging in sensor networks. , 2016, , .		1
27	Sequential design for model calibration in iterative learning control of DC motor. , 2015, , .		8
28	Decentralized Time-Constrained Scheduling for Sensor Network in Identification of Distributed Parameter Systems. Springer Proceedings in Mathematics and Statistics, 2015, , 415-423.	0.1	0
29	Robust sensor scheduling via iterative design for parameter estimation of distributed systems. , 2014, , .		5
30	Decentralized multi-exchange scheduling of sensor networks for parameter estimation of distributed systems. , 2014, , .		2
31	Vision-Based Convoy Forming for Mobile Robots. Advances in Intelligent Systems and Computing, 2014, , 369-377.	0.5	0
32	Constrained Mobile Sensor Routing for Parameter Estimation of Spatiotemporal Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1317-1322.	0.4	1
33	Optimal Sensor Networks Scheduling in Identification of Distributed Parameter Systems. Lecture Notes in Control and Information Sciences, 2012, , .	0.6	48
34	Distributed scheduling of sensor networks for identification of spatio-temporal processes. International Journal of Applied Mathematics and Computer Science, 2012, 22, 299-311.	1.5	23
35	Conclusions and Further Research Directions. Lecture Notes in Control and Information Sciences, 2012, , 261-266.	0.6	0
36	Sensor Location under Parametric and Location Uncertainty. Lecture Notes in Control and Information Sciences, 2012, , 183-206.	0.6	0

#	Article	IF	Citations
37	Sensor Activation for Scanning Networks. Lecture Notes in Control and Information Sciences, 2012, , 47-95.	0.6	0
38	Optimum Design of Experiments for Enzyme Inhibition Kinetic Models. Journal of Biopharmaceutical Statistics, 2011, 21, 555-572.	0.4	18
39	Resource-aware sensor activity scheduling for parameter estimation of distributed systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9984-9989.	0.4	1
40	Optimum group designs for random-effects nonlinear dynamic processes. Chemometrics and Intelligent Laboratory Systems, 2010, 101, 73-86.	1.8	4
41	Time-constrained sensor scheduling for parameter estimation of distributed systems. , 2010, , .		13
42	Sensor scheduling with selection of input experimental conditions for identification of distributed systems. , 2010, , .		3
43	Potential Application of d-Optimal Designs in the Efficient Investigation of Cytochrome P450 Inhibition Kinetic Models. Drug Metabolism and Disposition, 2010, 38, 1019-1023.	1.7	3
44	Sensor network design for the estimation of spatially distributed processes. International Journal of Applied Mathematics and Computer Science, 2010, 20, 459-481.	1.5	50
45	Selection of Training Data for Locally Recurrent Neural Network. Lecture Notes in Computer Science, 2010, , 134-137.	1.0	1
46	Corrigendum to â€œStability Analysis and the Stabilization of a Class of Discrete-Time Dynamic Neural Networksâ€•[May 07 660-673]. IEEE Transactions on Neural Networks, 2009, 20, 547-548.	4.8	0
47	Configuration of sensor network with uncertain location of nodes for parameter estimation in distributed parameter systems.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 31-36.	0.4	2
48	Decentralized mobile sensor routing for parameter estimation of distributed systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 210-215.	0.4	1
49	Optimal Training Sequences for Locally Recurrent Neural Networks. Lecture Notes in Computer Science, 2009, , 80-89.	1.0	3
50	D-optimal trajectory design of heterogeneous mobile sensors for parameter estimation of distributed systems. , 2008, , .		33
51	Configuring A Sensor Network for Fault Detection in Distributed Parameter Systems. International Journal of Applied Mathematics and Computer Science, 2008, 18, 513-524.	1.5	26
52	A Parallel Sensor Scheduling Technique for Fault Detection in Distributed Parameter Systems. Lecture Notes in Computer Science, 2008, , 833-843.	1.0	16
53	Resource-Constrained Sensor Routing for Parameter Estimation of Distributed Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 7772-7777.	0.4	12
54	Optimum experimental designs for dynamic systems in the presence of correlated errors. Computational Statistics and Data Analysis, 2007, 51, 5644-5661.	0.7	12

#	Article	IF	Citations
55	D-optimal design of a monitoring network for parameter estimation of distributed systems. Journal of Global Optimization, 2007, 39, 291-322.	1.1	77
56	Efficient Sampling Windows for Parameter Estimation in Mixed Effects Models. , 2007, , 147-155.		5
57	Optimal activation policies for continuous scanning observations in parameter estimation of distributed systems. International Journal of Systems Science, 2006, 37, 763-775.	3.7	18
58	OPTIMAL ACTIVATION STRATEGY OF DISCRETE SCANNING SENSORS FOR FAULT DETECTION IN DISTRIBUTED-PARAMETER SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 209-214.	0.4	15
59	Optimal observation strategies for model-based fault detection in distributed systems. International Journal of Control, 2005, 78, 1497-1510.	1.2	22
60	Robust Activation Strategy of Scanning Sensors via Sequential Design in Parameter Estimation of Distributed Systems. Lecture Notes in Computer Science, 2004, , 770-778.	1.0	5
61	Discrimination between Models of Distributed Parameter Systems Using T-optimum Experimental Design. Lecture Notes in Computer Science, 2004, , 762-769.	1.0	2
62	OPTIMAL LOCATION OF DISCRETE SCANNING SENSORS FOR PARAMETER ESTIMATION OF DISTRIBUTED SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 289-294.	0.4	8
63	Optimal Location of Sensors for Parameter Estimation of Static Distributed Systems. Lecture Notes in Computer Science, 2002, , 729-737.	1.0	5