Krzysztof Bartecki

List of Publications by Year
in descending order

29	97	1684188 5	1588992 8
papers	citations	h-index	g-index

30	30	30	34
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A general transfer function representation for a class of hyperbolic distributed parameter systems. International Journal of Applied Mathematics and Computer Science, 2013, 23, 291-307.	1.5	22
2	Transfer function-based analysis of the frequency-domain properties of a double pipe heat exchanger. Heat and Mass Transfer, 2015, 51, 277-287.	2.1	12
3	Frequency- and Time-Domain Analysis of a Simple Pipeline System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 366-371.	0.4	9
4	Computation of transfer function matrices for 2×2 strongly coupled hyperbolic systems of balance laws. , 2013, , .		7
5	PCA-based approximation of a class of distributed parameter systems: classical vs. neural network approach. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2012, 60, 651-660.	0.8	7
6	On some peculiarities of neural network approximation applied to the inverse kinematics problem. , 2010, , .		6
7	Approximation of a class of distributed parameter systems using proper orthogonal decomposition. , 2011, , .		5
8	Neural Network-Based PCA: An Application to Approximation of a Distributed Parameter System. Lecture Notes in Computer Science, 2012, , 3-11.	1.3	5
9	Modeling and Analysis of Linear Hyperbolic Systems of Balance Laws. Studies in Systems, Decision and Control, 2016, , .	1.0	4
10	Abstract State-Space Models for a Class of Linear Hyperbolic Systems of Balance Laws. Reports on Mathematical Physics, 2015, 76, 339-358.	0.8	3
11	Development of a Decision Support Tool for Intelligent Manufacturing using Classification and Correlation Analysis. , 2019, , .		3
12	Spatio-temporal responses of a class of 2×2 hyperbolic systems. , 2014, , .		2
13	State-space representations for 2×2 hyperbolic systems with boundary inputs. , 2015, , .		2
14	Transfer function models for distributed parameter systems: Application in pipeline diagnosis. , 2016, , .		2
15	Approximation state-space model for 2Ã—2 hyperbolic systems with collocated boundary inputs. , 2019, , .		2
16	Key performance indicators as a tool for production process assessment - part I: theoretical research. , 2018, 22, 5-13.	0.1	2
17	A transfer function representation for a class of hyperbolic systems. , 2012, , .		1
18	Steady-state analysis for a class of hyperbolic systems with boundary inputs. Archives of Control Sciences, 2013, 23, 295-310.	1.7	1

#	Article	IF	Citations
19	Rational Transfer Function Model for a Double-Pipe Parallel-Flow Heat Exchanger. Symmetry, 2020, 12, 1212.	2.2	1
20	Key Performance Indicators as a Tool for Production Process Assessment â€“ Part II: Industrial Research. , 2020, 24, 19-28.	0.1	1
21	Transfer Function Representation. Studies in Systems, Decision and Control, 2016, , 43-75.	1.0	0
22	Constant Steady-State Analysis. Studies in Systems, Decision and Control, 2016, , 77-88.	1.0	0
23	An Approximate Transfer Function Model for a Double-Pipe Counter-Flow Heat Exchanger. Energies, 2021, 14, 4174.	3.1	0
24	PCA-Based Approximation. Studies in Systems, Decision and Control, 2016, , 107-126.	1.0	0
25	Time-Domain Representation. Studies in Systems, Decision and Control, 2016, , 89-106.	1.0	0
26	Hyperbolic Systems of Balance Laws. Studies in Systems, Decision and Control, 2016, , 7-22.	1.0	0
27	Conclusions and Future Works. Studies in Systems, Decision and Control, 2016, , 127-129.	1.0	0
28	State-Space Representation. Studies in Systems, Decision and Control, 2016, , 23-42.	1.0	0
29	Rational Transfer Function Approximation Model for $$2 imes 2$$ Hyperbolic Systems with Collocated Boundary Inputs. Advances in Intelligent Systems and Computing, 2020, , 56-67.	0.6	0