

Mohammad Monir Uddin

List of Publications by Year in descending order

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33
papers

300
citations

1684188

5
h-index

996975

15
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35
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35
docs citations

35
times ranked

181
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an Adaptive Dynamic Mode Decomposition. Results in Control and Optimization, 2022, 6, 100076.	2.3	1
2	Balanced truncation for reduced order modeling of Piezoelectric Tonpiz Transducer on the limited frequency interval. Applied Mathematical Modelling, 2022, 111, 63-77.	4.2	2
3	Tangential interpolatory projections for a class of second-order index-1 descriptor systems and application to Mechatronics. Production Engineering, 2021, 15, 9-19.	2.3	6
4	SVD-Krylov based techniques for structure-preserving reduced order modelling of second-order systems. Mathematical Modelling and Control, 2021, 1, 79-89.	0.9	2
5	Time Restricted Balanced Truncation for Index-I Descriptor Systems with Non-homogeneous Initial Condition. Algorithms for Intelligent Systems, 2021, , 179-190.	0.6	2
6	Iterative Rational Krylov Algorithms for model reduction of a class of constrained structural dynamic system with Engineering applications. Numerical Algebra, Control and Optimization, 2021, .	1.6	0
7	Interpolatory projection technique for Riccati-based feedback stabilization of index-1 descriptor systems. IOP Conference Series: Materials Science and Engineering, 2021, 1070, 012022.	0.6	3
8	A Novel Non-Invasive Estimation of Respiration Rate From Motion Corrupted Photoplethysmograph Signal Using Machine Learning Model. IEEE Access, 2021, 9, 96775-96790.	4.2	31
9	Computational techniques for H_2 optimal frequency-limited model order reduction of large-scale sparse linear systems. Journal of Computational Science, 2021, 55, 101-173.		
10	Computationally Efficient Optimal Control for Unstable Power System Models. Mathematical Problems in Engineering, 2021, 2021, 1-17.	1.1	4
11	Structure preserving model order reduction of a class of second-order descriptor systems via balanced truncation. Applied Numerical Mathematics, 2020, 152, 185-198.	2.1	6
12	Estimating Blood Pressure from the Photoplethysmogram Signal and Demographic Features Using Machine Learning Techniques. Sensors, 2020, 20, 3127.	3.8	134
13	Interpolatory Projection Techniques for H_2 Optimal Structure-Preserving Model Order Reduction of Second-Order Systems. Advances in Science, Technology and Engineering Systems, 2020, 5, 715-723.	0.5	7
14	Conic Programming Approach to Reduce Congestion Ratio in Communications Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 566-577.	0.3	1
15	Computational Techniques for Structure Preserving Model Reduction of Constrain Dynamical Models. Algorithms for Intelligent Systems, 2020, , 487-496.	0.6	0
16	Optimal Control of Sensor Based Human Arm Motion and Gesture Replication System. , 2019, , .		0
17	Reduced Model Based Feedback Stabilization of Large-scale Sparse Power System Model. , 2019, , .		0
18	Time delay coordinate based Dynamic Mode Decomposition of a compressible signal. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Riccati based optimal control for linear quadratic regulator problems. , 2019, , .		2
20	Efficient computation of Riccati-based optimal control for power system models. , 2019, , .		3
21	Iterative methods for solving large sparse Lyapunov equations and application to model reduction of index 1 differential-algebraic-equations. Numerical Algebra, Control and Optimization, 2019, 9, 173-186.	1.6	8
22	An Analysis on Python Programming Language Demand and Its Recent Trend in Bangladesh. , 2019, , .		1
23	K-cyclic Smith iterative method for model reduction of index-2 periodic control systems. , 2018, , .		3
24	Gramian-based model-order reduction of constrained structural dynamic systems. IET Control Theory and Applications, 2018, 12, 2337-2346.	2.1	6
25	Structure preserving model order reduction using the projection onto the dominant eigen-space of the Gramian (PDEC). , 2017, , .		2
26	Efficient Techniques for Solving the Periodic Projected Lyapunov Equations and Model Reduction of Periodic Systems. Mathematical Problems in Engineering, 2017, 2017, 1-11.	1.1	2
27	Rational Krylov subspace method (RKSM) for solving the Lyapunov equations of index-1 descriptor systems and application to balancing based model reduction. , 2016, , .		2
28	Reduced-order modeling of index-1 vibrational systems using interpolatory projections. , 2016, , .		5
29	Structure preserving model order reduction of large sparse second-order index-1 systems and application to a mechatronics model. Mathematical and Computer Modelling of Dynamical Systems, 2016, 22, 509-523.	2.2	20
30	Second order to second order balancing for index-1 vibrational systems. , 2012, , .		2
31	Efficient Reduced Order State Space Model Computation for a Class of Second Order Index One Systems. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 699-700.	0.2	2
32	Computation of a compact state space model for an adaptive spindle head configuration with piezo actuators using balanced truncation. Production Engineering, 2012, 6, 577-586.	2.3	14
33	SVD-Krylov based Sparsity-preserving Techniques for Riccati-based Feedback Stabilization of Unstable Power System Models. Journal of Engineering Advancements, 0, , .	0.7	2