

# Nicodemus Banagaaya

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

56  
citations

1684188

5  
h-index

1588992

8  
g-index

17  
all docs

17  
docs citations

17  
times ranked

35  
citing authors

#	ARTICLE	IF	CITATIONS
1	Index-aware model order reduction for differential-algebraic equations. Mathematical and Computer Modelling of Dynamical Systems, 2014, 20, 345-373.	2.2	12
2	Index-Aware Model Order Reduction for Linear Index-2 DAEs with Constant Coefficients. SIAM Journal of Scientific Computing, 2013, 35, A1487-A1510.	2.8	10
3	Nanoelectronic COupled problems solutions - nanoCOPS: modelling, multirate, model order reduction, uncertainty quantification, fast fault simulation. Journal of Mathematics in Industry, 2016, 7, .	1.2	8
4	Parametric modeling and model order reduction for (electro-)thermal analysis of nanoelectronic structures. Journal of Mathematics in Industry, 2016, 6, .	1.2	8
5	Model Order Reduction of an Electro-Thermal Package Model~... IFAC-PapersOnLine, 2015, 48, 934-935.	0.9	6
6	An index-aware parametric model order reduction method for parameterized quadratic differential-algebraic equations. Applied Mathematics and Computation, 2018, 319, 409-424.	2.2	4
7	Simulation of electromagnetic descriptor models using projectors. Journal of Mathematics in Industry, 2013, 3, 1.	1.2	3
8	Index-Aware MOR for Gas Transport Networks. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2020, , 191-207.	0.2	3
9	Index-Preserving Model Order Reduction for Differential-Algebraic Systems Arising in Gas Transport Networks. Mathematics in Industry, 2019, , 291-297.	0.3	1
10	Index-Aware Model Order Reduction for Higher Index DAEs. Differential-algebraic Equations Forum, 2014, , 155-182.	0.6	1
11	Index-aware model order reduction: LTI DAEs in electric networks. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 1123-1144.	0.9	0
12	Index-Aware Model-Order Reduction for a Special Class of Nonlinear Differential-Algebraic Equations. Journal of Dynamics and Differential Equations, 0, , 1.	1.9	0
13	Implicit index-aware model order reduction for RLC/RC networks. , 2014, , .		0
14	Parametric Model Order Reduction for Electro-Thermal Coupled Problems with Many Inputs. Mathematics in Industry, 2017, , 263-270.	0.3	0
15	Sparse Model Order Reduction for Electro-Thermal Problems with Many Inputs. Mathematics in Industry, 2018, , 189-202.	0.3	0
16	Sparse (P)MOR for Electro-Thermal Coupled Problems with Many Inputs. Mathematics in Industry, 2019, , 311-328.	0.3	0