

Hoang Linh Vu

List of Publications by Year in descending order

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27
papers

308
citations

840776

11
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Index reduction for second order singular systems of difference equations. <i>Linear Algebra and Its Applications</i> , 2021, 608, 107-132.	0.9	2
2	On convergence of continuous half-explicit Runge-Kutta methods for a class of delay differential-algebraic equations. <i>Numerical Algorithms</i> , 2020, 85, 277-303.	1.9	2
3	Block Difference Schemes of High Order for Stiff Linear Differential-Algebraic Equations. <i>Computational Mathematics and Mathematical Physics</i> , 2019, 59, 1049-1057.	0.8	1
4	Stable Numerical Solution for a Class of Structured Differential-Algebraic Equations by Linear Multistep Methods. <i>Acta Mathematica Vietnamica</i> , 2019, 44, 955-976.	0.4	2
5	Exponential Stability and Robust Stability for Linear Time-Varying Singular Systems of Second Order Difference Equations. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2018, 39, 204-233.	1.4	10
6	Bohl's Perron Type Stability Theorems for Linear Singular Difference Equations. <i>Vietnam Journal of Mathematics</i> , 2018, 46, 437-451.	0.8	2
7	Convergence Analysis of Linear Multistep Methods for a Class of Delay Differential-Algebraic Equations. <i>Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software</i> , 2018, 11, 78-93.	0.4	2
8	Adjoint Pairs of Differential-Algebraic Equations and Their Lyapunov Exponents. <i>Journal of Dynamics and Differential Equations</i> , 2017, 29, 655-684.	1.9	8
9	On BDF-Based Multistep Schemes for Some Classes of Linear Differential-Algebraic Equations of Index at Most 2. <i>Acta Mathematica Vietnamica</i> , 2016, 41, 715-730.	0.4	8
10	On stability and Bohl exponent of linear singular systems of difference equations with variable coefficients. <i>Journal of Difference Equations and Applications</i> , 2016, 22, 1350-1377.	1.1	16
11	Spectrum-Based Robust Stability Analysis of Linear Delay Differential-Algebraic Equations. , 2015, , 533-557.		1
12	Efficient integration of strangeness-free non-stiff differential-algebraic equations by half-explicit methods. <i>Journal of Computational and Applied Mathematics</i> , 2014, 262, 346-360.	2.0	5
13	Stability and Robust Stability of Linear Time-Invariant Delay Differential-Algebraic Equations. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013, 34, 1631-1654.	1.4	41
14	Robust Stability of Differential-Algebraic Equations. , 2013, , 63-95.		14
15	Chapter 4: Spectra and Leading Directions for Linear DAEs. , 2012, , 59-78.		2
16	Approximation of Spectral Intervals and Leading Directions for Differential-Algebraic Equation via Smooth Singular Value Decompositions. <i>SIAM Journal on Numerical Analysis</i> , 2011, 49, 1810-1835.	2.3	12
17	QR methods and error analysis for computing Lyapunov and Sacker-Sell spectral intervals for linear differential-algebraic equations. <i>Advances in Computational Mathematics</i> , 2011, 35, 281-322.	1.6	13
18	Lyapunov, Bohl and Sacker-Sell Spectral Intervals for Differential-Algebraic Equations. <i>Journal of Dynamics and Differential Equations</i> , 2009, 21, 153-194.	1.9	34

#	ARTICLE	IF	CITATIONS
19	Stability criteria for differential-algebraic equations with multiple delays and their numerical solutions. <i>Applied Mathematics and Computation</i> , 2009, 208, 397-415.	2.2	38
20	On data-dependence of exponential stability and stability radii for linear time-varying differential-algebraic systems. <i>Journal of Differential Equations</i> , 2008, 245, 2078-2102.	2.2	25
21	Stability radii for linear time-varying differential-algebraic equations with respect to dynamic perturbations. <i>Journal of Differential Equations</i> , 2006, 230, 579-599.	2.2	24
22	On the robust stability of implicit linear systems containing a small parameter in the leading term. <i>IMA Journal of Mathematical Control and Information</i> , 2006, 23, 67-84.	1.7	12
23	Implicit-system approach to the robust stability for a class of singularly perturbed linear systems. <i>Systems and Control Letters</i> , 2005, 54, 33-41.	2.3	15
24	Adjoint pairs of differential-algebraic equations and Hamiltonian systems. <i>Applied Numerical Mathematics</i> , 2005, 53, 131-148.	2.1	11
25	On the high order asymptotic solution of certain wave equations. <i>Miskolc Mathematical Notes</i> , 2004, 5, 57.	0.6	0
26	On some questions arising in numerical realization of amplitude-phase methods. <i>Numerical Algorithms</i> , 1998, 17, 171-191.	1.9	2
27	Runge-Kutta methods revisited for a class of structured strangeness-free differential-algebraic equations. <i>Electronic Transactions on Numerical Analysis</i> , 0, 48, 131-155.	0.0	6