

Jean-Paul Chehab

List of Publications by Year in descending order

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17
papers

121
citations

1307594

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1281871

11
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17
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential equations and solution of linear systems. Numerical Algorithms, 2005, 40, 103-124.	1.9	17
2	Incremental incomplete LU factorizations with applications. Numerical Linear Algebra With Applications, 2010, 17, 811-837.	1.6	15
3	Incremental unknowns method and compact schemes. ESAIM: Mathematical Modelling and Numerical Analysis, 1998, 32, 51-83.	1.9	13
4	Time Explicit Schemes and Spatial Finite Differences Splittings. Journal of Scientific Computing, 2004, 20, 159-189.	2.3	13
5	Geometrical properties of the Frobenius condition number for positive definite matrices. Linear Algebra and Its Applications, 2008, 429, 2089-2097.	0.9	13
6	Incremental unknowns for solving nonlinear eigenvalue problems: New multiresolution methods. Numerical Methods for Partial Differential Equations, 1995, 11, 199-228.	3.6	11
7	Implicit and adaptive inverse preconditioned gradient methods for nonlinear problems. Applied Numerical Mathematics, 2005, 55, 32-47.	2.1	7
8	An implicit preconditioning strategy for large-scale generalized Sylvester equations. Applied Mathematics and Computation, 2011, 217, 8793-8803.	2.2	7
9	Inexact Newton's method with inner implicit preconditioning for algebraic Riccati equations. Computational and Applied Mathematics, 2017, 36, 955-969.	1.3	6
10	Stabilized Times Schemes for High Accurate Finite Differences Solutions of Nonlinear Parabolic Equations. Journal of Scientific Computing, 2016, 69, 946-982.	2.3	5
11	A stabilized bi-grid method for Allen-Cahn equation in finite elements. Computational and Applied Mathematics, 2019, 38, 1.	2.2	4
12	Fast and stable schemes for Phase Fields models. Computers and Mathematics With Applications, 2020, 80, 1683-1713.	2.7	4
13	Parallel matrix function evaluation via initial value ODE modeling. Computers and Mathematics With Applications, 2016, 72, 76-91.	2.7	2
14	Geometrical Inverse Preconditioning for Symmetric Positive Definite Matrices. Mathematics, 2016, 4, 46.	2.2	1
15	Existence, uniqueness, and numerical simulations of Föppl-von Kármán equations for simply supported plate. Mathematical Methods in the Applied Sciences, 2019, 42, 7482-7493.	2.3	1
16	Geometrical inverse matrix approximation for least-squares problems and acceleration strategies. Numerical Algorithms, 2020, 85, 1213-1231.	1.9	1
17	Damping, stabilization, and numerical filtering for the modeling and the simulation of time dependent PDEs. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 2693.	1.1	1