

# Jean-Paul Chehab

## List of Publications by Year in descending order

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17  
papers

121  
citations

1307594

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h-index

1281871

11  
g-index

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17  
docs citations

17  
times ranked

85  
citing authors

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