

S Sundar

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

178
citations

1163117

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1125743

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34
all docs

34
docs citations

34
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Long time behaviour of the solution of a system of equations from new theory of shock dynamics. Computers and Mathematics With Applications, 1994, 27, 91-104.	2.7	29
2	Fractional Brownian motion time-changed by gamma and inverse gamma process. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 648-667.	2.6	23
3	Comparison of Krylov subspace methods with preconditioning techniques for solving boundary value problems. Computers and Mathematics With Applications, 1999, 38, 197-206.	2.7	20
4	Understanding the porosity dependence of heat flux through glass fiber insulation. Mathematical and Computer Modelling, 2006, 43, 485-492.	2.0	11
5	Generalized eigenvalue problems: Lanczos algorithm with a recursive partitioning method. Computers and Mathematics With Applications, 2000, 39, 211-224.	2.7	10
6	Optimal control of film casting processes. International Journal for Numerical Methods in Fluids, 2009, 59, 1111-1124.	1.6	10
7	Characterization of Alzheimer conditions in MR images using volumetric and sagittal brainstem texture features. Computer Methods and Programs in Biomedicine, 2019, 173, 147-155.	4.7	9
8	Newton-preconditioned Krylov subspace solvers for system of nonlinear equations: A numerical experiment. Applied Mathematics Letters, 2001, 14, 195-200.	2.7	7
9	Measures of Cross-Dependence for Bidimensional Periodic AR(1) Model with $\hat{I} \in \text{Stable Distribution}$. Journal of Time Series Analysis, 2020, 41, 785-807.	1.2	7
10	Mode locking for an externally excited droplet. Computers and Mathematics With Applications, 1997, 33, 21-33.	2.7	5
11	Asymptotic analysis of extrapolation boundary conditions for LBM. Computers and Mathematics With Applications, 2009, 57, 1313-1323.	2.7	5
12	The covariation-based Yule-Walker method for multidimensional autoregressive time series with α -stable distributed noise. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 394-414.	1.1	5
13	A new application of the extended Euclidean algorithm for matrix Padé approximants. Computers and Mathematics With Applications, 1988, 16, 287-296.	2.7	4
14	Comparison of Lanczos and CGS solvers for solving numerical heat transfer problems. Computers and Mathematics With Applications, 1999, 37, 107-117.	2.7	4
15	Computing eigenvalues: Lanczos algorithm with a new recursive partitioning method. Computers and Mathematics With Applications, 1999, 38, 99-107.	2.7	3
16	A Finite Pointset Method for Biharmonic Equation Based on Mixed Formulation. International Journal of Computational Methods, 2018, 15, 1850068.	1.3	3
17	Study of Heat Flow through Highly Porous Heat Insulators. Studies in Applied Mathematics, 2007, 118, 1-15.	2.4	2
18	On a generalized 5x5 stencil scheme for nonlinear diffusion filtering. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2016, 8, 194-206.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Discriminating between scaled and fractional Brownian motion via p-variation statistics. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2018, 10, 9-14.	1.1	2
20	Differentiation of EMCI in sMR images using segmented brainstem multifractal texture measures. Electronics Letters, 2019, 55, 1213-1214.	1.0	2
21	Two shock interaction using new theory of shock dynamics. Computers and Mathematics With Applications, 1994, 28, 37-47.	2.7	1
22	Optimal die shape for film casting. Applied Mathematics Letters, 2009, 22, 1598-1603.	2.7	1
23	Recursive formulation of the matrix PadÃ© approximation in packed storage. Computers and Mathematics With Applications, 2010, 59, 1532-1540.	2.7	1
24	On parallelization and load balancing aspects of the finite-pointset method. International Journal of Computer Mathematics, 2011, 88, 360-374.	1.8	1
25	Axi symmetric 2D simulation and numerical heat transfer characteristics for the calibration furnace in a rectangular enclosure. Applied Mathematical Modelling, 2012, 36, 878-893.	4.2	1
26	Special issue on "PDE models and computation". International Journal of Advances in Engineering Sciences and Applied Mathematics, 2015, 7, 1-1.	1.1	1
27	A recursive algorithm for matrix PadÃ© approximants"the divide-and-conquer approach. Computers and Mathematics With Applications, 1989, 17, 1359-1367.	2.7	0
28	Computation of transmission coefficients in the plain and corrugated electro-magnetic waveguides using finite point set method. Applied Mathematical Modelling, 2014, 38, 1838-1845.	4.2	0
29	Special issue on PDE models and computation: part IV. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2016, 8, 239-239.	1.1	0
30	Preface for the special issue: modeling, optimization and simulation. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2018, 10, 1-1.	1.1	0
31	Preface on the special issue: "PDE: models, optimization and numerics". International Journal of Advances in Engineering Sciences and Applied Mathematics, 2019, 11, 173-173.	1.1	0
32	Fractional lower-order covariance (FLOC)-based estimation for multidimensional PAR(1) model with α -stable noise. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 215.	1.1	0