

Srikara Pranesh

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

307
citations

932766

10
h-index

1125271

13
g-index

14
all docs

14
docs citations

14
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of numerical linear algebra methods utilizing mixed-precision arithmetic. International Journal of High Performance Computing Applications, 2021, 35, 344-369.	2.4	61
2	Simulating Low Precision Floating-Point Arithmetic. SIAM Journal of Scientific Computing, 2019, 41, C585-C602.	1.3	39
3	Squeezing a Matrix into Half Precision, with an Application to Solving Linear Systems. SIAM Journal of Scientific Computing, 2019, 41, A2536-A2551.	1.3	39
4	Faster computation of the Karhunen-Loève expansion using its domain independence property. Computer Methods in Applied Mechanics and Engineering, 2015, 285, 125-145.	3.4	31
5	The Design of Fast and Energy-Efficient Linear Solvers: On the Potential of Half-Precision Arithmetic and Iterative Refinement Techniques. Lecture Notes in Computer Science, 2018, , 586-600.	1.0	29
6	Mixed Precision Block Fused Multiply-Add: Error Analysis and Application to GPU Tensor Cores. SIAM Journal of Scientific Computing, 2020, 42, C124-C141.	1.3	29
7	Numerical behavior of NVIDIA tensor cores. PeerJ Computer Science, 2021, 7, e330.	2.7	19
8	Three-Precision GMRES-Based Iterative Refinement for Least Squares Problems. SIAM Journal of Scientific Computing, 2020, 42, A4063-A4083.	1.3	17
9	Exploiting Lower Precision Arithmetic in Solving Symmetric Positive Definite Linear Systems and Least Squares Problems. SIAM Journal of Scientific Computing, 2021, 43, A258-A277.	1.3	14
10	Addressing the curse of dimensionality in SSFEM using the dependence of eigenvalues in KL expansion on domain size. Computer Methods in Applied Mechanics and Engineering, 2016, 311, 457-475.	3.4	12
11	Cost reduction of stochastic Galerkin method by adaptive identification of significant polynomial chaos bases for elliptic equations. Computer Methods in Applied Mechanics and Engineering, 2018, 340, 54-69.	3.4	6
12	Random Matrices Generating Large Growth in LU Factorization with Pivoting. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 185-201.	0.7	6
13	A FETI-DP based parallel hybrid stochastic finite element method for large stochastic systems. Computers and Structures, 2018, 195, 64-73.	2.4	4
14	Backward error and condition number of a generalized Sylvester equation, with application to the stochastic Galerkin method. Linear Algebra and Its Applications, 2020, 594, 95-116.	0.4	1