

# Xuebin Chi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4958855/publications.pdf>

Version: 2024-02-01

28  
papers

792  
citations

933447

10  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

723  
citing authors

#	ARTICLE	IF	CITATIONS
1	The analysis of a plane wave pseudopotential density functional theory code on a GPU machine. Computer Physics Communications, 2013, 184, 9-18.	7.5	295
2	Fast plane wave density functional theory molecular dynamics calculations on multi-GPU machines. Journal of Computational Physics, 2013, 251, 102-115.	3.8	265
3	How Big Data and High-performance Computing Drive Brain Science. Genomics, Proteomics and Bioinformatics, 2019, 17, 381-392.	6.9	33
4	Extreme-Scale Phase Field Simulations of Coarsening Dynamics on the Sunway TaihuLight Supercomputer. , 2016, , .		29
5	Automating Transfer Function Design with Valley Cell-Based Clustering of 2D Density Plots. Computer Graphics Forum, 2012, 31, 1295-1304.	3.0	24
6	Multiple search direction conjugate gradient method I: methods and their propositions. International Journal of Computer Mathematics, 2004, 81, 1133-1143.	1.8	21
7	Interactive visual exploration of halos in large-scale cosmology simulation. Journal of Visualization, 2014, 17, 145-156.	1.8	15
8	GPU implementation of the linear scaling three dimensional fragment method for large scale electronic structure calculations. Computer Physics Communications, 2017, 211, 8-15.	7.5	15
9	Efficient opacity specification based on feature visibilities in direct volume rendering. Computer Graphics Forum, 2011, 30, 2117-2126.	3.0	14
10	An efficient parallel algorithm for the coupling of global climate models and regional climate models on a large-scale multi-core cluster. Journal of Supercomputing, 2018, 74, 3999-4018.	3.6	12
11	Porting LASG/ IAP Climate System Ocean Model to Gpus Using OpenAcc. IEEE Access, 2019, 7, 154490-154501.	4.2	12
12	SCE: Grid Environment for Scientific Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 35-42.	0.3	11
13	Gclust: A Parallel Clustering Tool for Microbial Genomic Data. Genomics, Proteomics and Bioinformatics, 2019, 17, 496-502.	6.9	7
14	Visual Detection of Anomalies in DNS Query Log Data. , 2014, , .		6
15	Multiple search direction conjugate gradient method II: theory and numerical experiments. International Journal of Computer Mathematics, 2004, 81, 1289-1307.	1.8	5
16	GridMol: a grid application for molecular modeling and visualization. Journal of Computer-Aided Molecular Design, 2008, 22, 119-129.	2.9	5
17	LTmatch: A Method to Abstract Pattern from Unstructured Log. Applied Sciences (Switzerland), 2021, 11, 5302.	2.5	5
18	The research progress of tiling array technology and applications. Science Bulletin, 2008, 53, 817-824.	9.0	4

#	ARTICLE	IF	CITATIONS
19	SC-ESAP: A Parallel Application Platform for Earth System Model 1. <i>Procedia Computer Science</i> , 2016, 80, 1612-1623.	2.0	4
20	VASEM: visual analytics system for electron microscopy data bank. <i>Journal of Visualization</i> , 2019, 22, 1145-1159.	1.8	3
21	CG Global Convergence Properties with Goldstein Linesearch*. <i>Bulletin of the Brazilian Mathematical Society</i> , 2005, 36, 197-204.	0.8	2
22	Parallel FDTD Simulation of Photonic Crystals and Thin-Film Solar Cells. , 2012, , .		2
23	Relaxed parallel two-stage multisplitting methods II: Asynchronous version. <i>International Journal of Computer Mathematics</i> , 2003, 80, 1277-1287.	1.8	1
24	A quantitative index for measuring the development of supercomputing. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 4685-4703.	2.2	1
25	Parallel Unstructured Grid Partition Algorithm Based on Charm++. , 2019, , .		1
26	Optimal harvesting and stability for fishing models with stage structure in inshore-offshore areas. <i>Applied Mathematics</i> , 2003, 18, 151-160.	1.0	0
27	Interference microscopy volume illustration for biomedical data. , 2012, , .		0
28	BAsplice: Bi-direction alignment for detecting splice junctions. , 2012, , .		0