Brett M Bode

List of Publications by Year
in descending order

21 papers	1,323 citations	1478505 6 h-index	1281871 11 g-index
21 all docs	21 docs citations	21 times ranked	1399 citing authors

#	Article	IF	Citations
1	Macmolplt: a graphical user interface for GAMESS. Journal of Molecular Graphics and Modelling, 1998, 16, 133-138.	2.4	981
2	The Distributed Data Interface in GAMESS. Computer Physics Communications, 2000, 128, 190-200.	7.5	140
3	Uncontracted Rys Quadrature Implementation of up to G Functions on Graphical Processing Units. Journal of Chemical Theory and Computation, 2010, 6, 696-704.	5.3	95
4	The Catalyzed Hydrosilation Reaction. Journal of the American Chemical Society, 1998, 120, 1552-1555.	13.7	18
5	Fast computation of analytical second derivatives with effective core potentials: Application to Si8C12, Ge8C12, and Sn8C12. Journal of Chemical Physics, 1999, 111, 8778-8784.	3.0	16
6	Unstructured grid applications on GPU. , 2011, , .		13
7	Deploying a Large Petascale System: The Blue Waters Experience. Procedia Computer Science, 2014, 29, 198-209.	2.0	13
8	Performance analysis of memory transfers and GEMM subroutines on NVIDIA Tesla GPU cluster. , 2009, , .		11
9	The catalyzed hydrosilation reaction: substituent effects. Theoretical Chemistry Accounts, 1999, 102, 366-376.	1.4	6
10	Deployment and testing of the sustained petascale Blue Waters system. Journal of Computational Science, 2015, 10, 327-337.	2.9	6
11	Module Prototype for Online Failure Prediction for the IBM Blue Gene/L. , 2008, , .		4
12	Best practices for management and operation of large HPC installations. Concurrency Computation Practice and Experience, 2019, 31, e5069.	2.2	4
13	Coarse grain computation-communication overlap for efficient application-level checkpointing for GPUs. , 2010, , .		3
14	Techniques for the parallelization of unstructured grid applications on multi-GPU systems. , 2012, , .		3
15	Performance of Electronic Structure Calculations on BG/L and XT4 Computers. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1290-1296.	0.4	2
16	GPU Acceleration of the Horizontal Diffusion Method in the Weather Research and Forecasting (WRF) Model. , 2015, , .		2
17	Holistic Measurement-Driven System Assessment. , 2017, , .		2
18	Challenges of Workload Analysis on Large HPC Systems. , 2017, , .		2

#	Article	IF	Citations
19	Catalysis of the Hydrosilation and Bis-Silylation Reactions. ACS Symposium Series, 1999, , 128-137.	0.5	1
20	Automatic Parallelization of GPU Applications Using OpenCL. , 2015, , .		1
21	Storage challenge---Trading memory for disk. , 2006, , .		0