Gregory H Bauer

List of Publications by Year
in descending order

17 papers	**254** citations	1478505 **6** h-index	1281871 **11** g-index
17 all docs	**17** docs citations	**17** times ranked	**343** citing authors

#	Article	IF	Citations
1	Superfluid vortex lines in a model of turbulent flow. Physics of Fluids, 1997, 9, 2631-2643.	4.0	101
2	Vortex configurations in a freely rotating superfluid drop. Journal of Low Temperature Physics, 1995, 98, 47-65.	1.4	38
3	Path-integral Monte Carlo simulation of helium at negative pressures. Physical Review B, 2000, 61, 9055-9060.	3.2	37
4	Optimization of the Coupled Cluster Implementation in NWChem on Petascale Parallel Architectures. Journal of Chemical Theory and Computation, 2014, 10, 4307-4316.	5.3	31
5	Deploying a Large Petascale System: The Blue Waters Experience. Procedia Computer Science, 2014, 29, 198-209.	2.0	13
6	Deployment and testing of the sustained petascale Blue Waters system. Journal of Computational Science, 2015, 10, 327-337.	2.9	6
7	HPCG and HPGMG benchmark tests on multiple program, multiple data (MPMD) mode on Blue Waters-A Cray XE6/XK7 hybrid system. Concurrency Computation Practice and Experience, 2018, 30, e4298.	2.2	6
8	It takes a village: Monitoring the blue waters supercomputer. , 2014, , .		4
9	Best practices for management and operation of large HPC installations. Concurrency Computation Practice and Experience, 2019, 31, e5069.	2.2	4
10	Optimizing matrix transposes using a POWER7 cache model and explicit prefetching. , 2011, , .		3
11	Best Practices and Lessons from Deploying and Operating a Sustained-Petascale System: The Blue Waters Experience. , 2018, , .		3
12	The interaction of rotons in HeII. Journal of Low Temperature Physics, 1992, 89, 417-420.	1.4	2
13	Challenges of Workload Analysis on Large HPC Systems. , 2017, , .		2
14	Roofline analysis with Cray performance analysis tools (CrayPat) and roofline‒based performance projections for a future architecture. Concurrency Computation Practice and Experience, 2019, 31, e4963.	2.2	2
15	A numerical investigation of vortex-coupled superfluidity. European Physical Journal D, 1996, 46, 29-30.	0.4	1
16	Large Scale Numerical Simulation via Parallelization and Reconfigurable Computing Hardware. , 2006, , 1.		1
17	Momentum statistics of interacting rotons. Physica B: Condensed Matter, 1994, 194-196, 519-520.	2.7	0