Gabrielle Allen

List of Publications by Year
in descending order

28 papers	1,229 citations	687363 13 h-index	794594 19 g-index
28 all docs	28 docs citations	28 times ranked	1843 citing authors

#	ARTICLE	IF	CITATIONS
1	The Einstein Toolkit: a community computational infrastructure for relativistic astrophysics. Classical and Quantum Gravity, 2012, 29, 115001.	4.0	409
2	From Proposal to Production: Lessons Learned Developing the Computational Chemistry Grid Cyberinfrastructure. Journal of Grid Computing, 2006, 4, 195-208.	3.9	163
3	The Cactus Worm: Experiments with Dynamic Resource Discovery and Allocation in a Grid Environment. International Journal of High Performance Computing Applications, 2001, 15, 345-358.	3.7	114
4	Crops In Silico: Generating Virtual Crops Using an Integrative and Multi-scale Modeling Platform. Frontiers in Plant Science, 2017, 8, 786.	3.6	102
5	The Cactus Framework and Toolkit: Design and Applications. Lecture Notes in Computer Science, 2003, , 197-227.	1.3	78
6	Enabling real-time multi-messenger astrophysics discoveries with deep learning. Nature Reviews Physics, 2019, 1, 600-608.	26.6	53
7	GridLabâ€"a grid application toolkit and testbed. Future Generation Computer Systems, 2002, 18, 1143-1153.	7.5	52
8	Cactus Tools for Grid Applications. Cluster Computing, 2001, 4, 179-188.	5.0	50
9	Architecture of a Community Infrastructure for Predicting and Analyzing Coastal Inundation. Marine Technology Society Journal, 2007, 41, 53-61.	0.4	32
10	The Astrophysics Simulation Collaboratory: A Science Portal Enabling Community Software Development. Cluster Computing, 2002, 5, 297-304.	5.0	31
11	Implementation of a hospital oral care protocol and recording of oral mucositis in children receiving cancer treatment. Supportive Care in Cancer, 2013, 21, 1113-1120.	2.2	31
12	The Prevalence and Investigation of Risk Factors of Oral Mucositis in a Pediatric Oncology Inpatient Population; a Prospective Study. Journal of Pediatric Hematology/Oncology, 2018, 40, 15-21.	0.6	25
13	The Astrophysics Simulation Collaboratory Portal: a framework for effective distributed research. Future Generation Computer Systems, 2005, 21, 259-270.	7.5	20
14	Towards an integrated GIS-based coastal forecast workflow. Concurrency Computation Practice and Experience, 2008, 20, 1637-1651.	2.2	11
15	Community software development with the Astrophysics Simulation Collaboratory. Concurrency Computation Practice and Experience, 2002, 14, 1289-1301.	2.2	10
16	An application portal for collaborative coastal modeling. Concurrency Computation Practice and Experience, 2007, 19, 1571-1581.	2.2	8
17	Component specification in the Cactus Framework: The Cactus Configuration Language. , 2010, , .		8
18	Grid portal solutions: a comparison of GridPortlets and OGCE. Concurrency Computation Practice and Experience, 2007, 19, 1739-1748.	2.2	7

#	Article	IF	Citations
19	High-performance remote data access for remote visualization. , 2010, , .		5
20	A practical and comprehensive graduate course preparing students for research involving scientific computing. Procedia Computer Science, 2011, 4, 1927-1936.	2.0	4
21	Dynamic deployment of a component framework with the Ubiqis system. , 2009, , .		3
22	Service Oriented Architecture for job submission and management on grid computing resources. , 2009, , .		3
23	Integrating Web 2.0 technologies with scientific simulation codes for real-time collaboration. , 2009, , .		3
24	An Integrated Grid Portal for Managing Energy Resources. , 2007, , .		2
25	An innovative application execution toolkit for multicluster grids. , 2009, , .		2
26	Semantic Enabled Metadata Framework for Data Grids. , 2008, , .		1
27	DA-TC: a novel application execution model in multicluster systems. Cluster Computing, 2014, 17, 371-387.	5.0	1
28	The development of an evidenced-based and clinically trialled Oral Health Protocol for Paediatric Oncology Patients at the Women's and Children's Hospital, Adelaide, South Australia. Supportive Care in Cancer, 2016, 24, 1933-1934.	2.2	1