

Scott Michael

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

455
citations

1307594

7
h-index

1474206

9
g-index

22
all docs

22
docs citations

22
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	The Internal Energy for Molecular Hydrogen in Gravitationally Unstable Protoplanetary Disks. <i>Astrophysical Journal</i> , 2007, 656, L89-L92.	4.5	101
2	The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2006, 636, L149-L152.	4.5	88
3	Science gateways today and tomorrow: positive perspectives of nearly 5000 members of the research community. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 4252-4268.	2.2	75
4	MIGRATION OF GAS GIANT PLANETS IN GRAVITATIONALLY UNSTABLE DISKS. <i>Astrophysical Journal Letters</i> , 2011, 737, L42.	8.3	68
5	Stellar motion induced by gravitational instabilities in protoplanetary discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 279-289.	4.4	40
6	CONVERGENCE STUDIES OF MASS TRANSPORT IN DISKS WITH GRAVITATIONAL INSTABILITIES. I. THE CONSTANT COOLING TIME CASE. <i>Astrophysical Journal</i> , 2012, 746, 98.	4.5	25
7	CONVERGENCE STUDIES OF MASS TRANSPORT IN DISKS WITH GRAVITATIONAL INSTABILITIES. II. THE RADIATIVE COOLING CASE. <i>Astrophysical Journal</i> , 2013, 768, 192.	4.5	14
8	A study of lustre networking over a 100 gigabit wide area network with 50 milliseconds of latency. , 2012, , .		9
9	Demonstrating Lustre over a 100Gbps wide area network of 3,500km. , 2012, , .		9
10	A distributed workflow for an astrophysical OpenMP application. , 2010, , .		6
11	A compelling case for a centralized filesystem on the TeraGrid. , 2010, , .		5
12	The Lustre File System and 100 Gigabit Wide Area Networking: An Example Case from SC11. , 2012, , .		4
13	A 3D hydrodynamics study of gravitational instabilities in a young circumbinary disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2347-2361.	4.4	4
14	Making campus bridging work for researchers: Can campus bridging experts accelerate discovery?. <i>Concurrency Computation Practice and Experience</i> , 2014, 26, 2141-2148.	2.2	2
15	Performance Characteristics of Virtualized GPUs for Deep Learning. , 2020, , .		2
16	Making campus bridging work for researchers. , 2013, , .		1
17	Research Computing Desktops. , 2019, , .		1
18	Building Detection with Deep Learning. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	A Revolutionary New Paradigm for the Reduction and Analysis of Astronomical Images. , 2010, , .		0
20	Performance Benchmarking of the R Programming Environment on the Stampede 1.5 Supercomputer. , 2017, , .		0
21	Foreword to the special issue of the Cray User Group (CUG 2017). Concurrency Computation Practice and Experience, 2018, 30, e4378.	2.2	0
22	Advancing Adoption of Reproducibility in HPC: A Preface to the Special Section. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	0