# Scott Michael

List of Publications by Year
in descending order

| 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 | Building Detection with Deep Learning. , 2021, , . | | 1 |
| 2 | Advancing Adoption of Reproducibity in HPC: A Preface to the Special Section. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1. | 5.6 | 0 |
| 3 | Performance Characteristics of Virtualized GPUs for Deep Learning. , 2020, , . | | 2 |
| 4 | Research Computing Desktops. , 2019, , . | | 1 |
| 5 | A 3D hydrodynamics study of gravitational instabilities in a young circumbinary disc. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2347-2361. | 4.4 | 4 |
| 6 | Foreword to the special issue of the Cray User Group (CUG 2017). Concurrency Computation Practice and Experience, 2018, 30, e4378. | 2.2 | 0 |
| 7 | Performance Benchmarking of the R Programming Environment on the Stampede 1.5 Supercomputer. , 2017, , . | | 0 |
| 8 | Science gateways today and tomorrow: positive perspectives of nearly 5000 members of the research community. Concurrency Computation Practice and Experience, 2015, 27, 4252-4268. | 2.2 | 75 |
| 9 | Making campus bridging work for researchers: Can campus bridging experts accelerate discovery?. Concurrency Computation Practice and Experience, 2014, 26, 2141-2148. | 2.2 | 2 |
| 10 | Making campus bridging work for researchers. , 2013, , . | | 1 |
| 11 | CONVERGENCE STUDIES OF MASS TRANSPORT IN DISKS WITH GRAVITATIONAL INSTABILITIES. II. THE RADIATIVE COOLING CASE. Astrophysical Journal, 2013, 768, 192. | 4.5 | 14 |
| 12 | A study of lustre networking over a 100 gigabit wide area network with 50 milliseconds of latency. , 2012, , . | | 9 |
| 13 | CONVERGENCE STUDIES OF MASS TRANSPORT IN DISKS WITH GRAVITATIONAL INSTABILITIES. I. THE CONSTANT COOLING TIME CASE. Astrophysical Journal, 2012, 746, 98. | 4.5 | 25 |
| 14 | Demonstrating Lustre over a 100Gbps wide area network of 3,500km. , 2012, , . | | 9 |
| 15 | The Lustre File System and 100 Gigabit Wide Area Networking: An Example Case from SC11. , 2012, , . | | 4 |
| 16 | MIGRATION OF GAS GIANT PLANETS IN GRAVITATIONALLY UNSTABLE DISKS. Astrophysical Journal Letters, 2011, 737, L42. | 8.3 | 68 |
| 17 | Stellar motion induced by gravitational instabilities in protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2010, 406, 279-289. | 4.4 | 40 |
| 18 | A compelling case for a centralized filesystem on the TeraGrid. , 2010, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | A distributed workflow for an astrophysical OpenMP application. , 2010, , . | | 6 |
| 20 | A Revolutionary New Paradigm for the Reduction and Analysis of Astronomical Images. , 2010, , . | | 0 |
| 21 | The Internal Energy for Molecular Hydrogen in Gravitationally Unstable Protoplanetary Disks. Astrophysical Journal, 2007, 656, L89-L92. | 4.5 | 101 |
| 22 | The Effects of Metallicity and Grain Size on Gravitational Instabilities in Protoplanetary Disks. Astrophysical Journal, 2006, 636, L149-L152. | 4.5 | 88 |