

Jonathan Dursi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

2,516
citations

17
h-index

25
g-index

25
ext. papers

3,502
ext. citations

10.2
avg, IF

7.08
L-index

#	Paper	IF	Citations
22	Pan-cancer analysis of whole genomes. <i>Nature</i> , 2020 , 578, 82-93	50.4	840
21	Detecting DNA cytosine methylation using nanopore sequencing. <i>Nature Methods</i> , 2017 , 14, 407-410	21.6	488
20	SciNet: Lessons Learned from Building a Power-efficient Top-20 System and Data Centre. <i>Journal of Physics: Conference Series</i> , 2010 , 256, 012026	0.3	262
19	Draping of Cluster Magnetic Fields over Bullets and Bubbles Morphology and Dynamic Effects. <i>Astrophysical Journal</i> , 2008 , 677, 993-1018	4.7	163
18	On Validating an Astrophysical Simulation Code. <i>Astrophysical Journal, Supplement Series</i> , 2002 , 143, 201-229	8	159
17	Morphology of Rising Hydrodynamic and Magnetohydrodynamic Bubbles from Numerical Simulations. <i>Astrophysical Journal</i> , 2004 , 601, 621-643	4.7	80
16	Mapping Initial Hydrostatic Models in Godunov Codes. <i>Astrophysical Journal, Supplement Series</i> , 2002 , 143, 539-565	8	79
15	Algorithmic comparisons of decaying, isothermal, supersonic turbulence. <i>Astronomy and Astrophysics</i> , 2009 , 508, 541-560	5.1	70
14	Recombinations to the Rydberg states of hydrogen and their effect during the cosmological recombination epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 407, 599-612	4.3	58
13	Detecting the orientation of magnetic fields in galaxy clusters. <i>Nature Physics</i> , 2010 , 6, 520-526	16.2	47
12	On Heavy Element Enrichment in Classical Novae. <i>Astrophysical Journal</i> , 2004 , 602, 931-937	4.7	47
11	Helium Detonations on Neutron Stars. <i>Astrophysical Journal, Supplement Series</i> , 2001 , 133, 195-220	8	46
10	On the Cellular Structure of Carbon Detonations. <i>Astrophysical Journal</i> , 2000 , 543, 938-954	4.7	34
9	Propagation of the First Flames in Type Ia Supernovae. <i>Astrophysical Journal</i> , 2007 , 656, 333-346	4.7	31
8	Bubble Wrap for Bullets: The Stability Imparted by a Thin Magnetic Layer. <i>Astrophysical Journal</i> , 2007 , 670, 221-230	4.7	31
7	Local Ignition in Carbon-Oxygen White Dwarfs. I. One-Zone Ignition and Spherical Shock Ignition of Detonations. <i>Astrophysical Journal</i> , 2006 , 641, 1071-1086	4.7	24
6	The Response of Model and Astrophysical Thermonuclear Flames to Curvature and Stretch. <i>Astrophysical Journal</i> , 2003 , 595, 955-979	4.7	17

5	On the nonlinear evolution of wind-driven gravity waves. <i>Physics of Fluids</i> , 2004 , 16, 3256-3268	4.4	13
4	Retrospective evaluation of whole exome and genome mutation calls in 746 cancer samples. <i>Nature Communications</i> , 2020 , 11, 4748	17.4	10
3	Butler enables rapid cloud-based analysis of thousands of human genomes. <i>Nature Biotechnology</i> , 2020 , 38, 288-292	44.5	9
2	The Linear Instability of Astrophysical Flames in Magnetic Fields. <i>Astrophysical Journal</i> , 2004 , 606, 1039-1056	105.6	5
1	Efficiency Gains from Time Refinement on AMR Meshes and Explicit Timestepping 2005 , 103-113		3