

Fabio Governato

List of Publications by Year in descending order

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69
papers

9,260
citations

61945

43
h-index

110317

64
g-index

69
all docs

69
docs citations

69
times ranked

5268
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark Matter Substructure within Galactic Halos. <i>Astrophysical Journal</i> , 1999, 524, L19-L22.	1.6	2,396
2	How supernova feedback turns dark matter cusps into cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3464-3471.	1.6	677
3	Star formation and feedback in smoothed particle hydrodynamic simulations – I. Isolated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 1074-1090.	1.6	614
4	The Metamorphosis of Tidally Stirred Dwarf Galaxies. <i>Astrophysical Journal</i> , 2001, 559, 754-784.	1.6	312
5	Cold dark matter: Controversies on small scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12249-12255.	3.3	286
6	BARYONS MATTER: WHY LUMINOUS SATELLITE GALAXIES HAVE REDUCED CENTRAL MASSES. <i>Astrophysical Journal</i> , 2012, 761, 71.	1.6	278
7	THE DUAL ORIGIN OF STELLAR HALOS. <i>Astrophysical Journal</i> , 2009, 702, 1058-1067.	1.6	265
8	Cold dark matter heats up. <i>Nature</i> , 2014, 506, 171-178.	13.7	242
9	THE CENTRAL SLOPE OF DARK MATTER CORES IN DWARF GALAXIES: SIMULATIONS VERSUS THINGS. <i>Astronomical Journal</i> , 2011, 142, 24.	1.9	215
10	Tidal Stirring and the Origin of Dwarf Spheroidals in the Local Group. <i>Astrophysical Journal</i> , 2001, 547, L123-L127.	1.6	208
11	Evolution of the mass function of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 565-572.	1.6	187
12	On the life and death of satellite haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 434-448.	1.6	168
13	IN-N-OUT: THE GAS CYCLE FROM DWARFS TO SPIRAL GALAXIES. <i>Astrophysical Journal</i> , 2016, 824, 57.	1.6	161
14	Dynamical Friction and the Evolution of Satellites in Virialized Halos: The Theory of Linear Response. <i>Astrophysical Journal</i> , 1999, 525, 720-733.	1.6	154
15	Growth and activity of black holes in galaxy mergers with varying mass ratios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2123-2143.	1.6	147
16	Implementing molecular hydrogen in hydrodynamic simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 3058-3076.	1.6	138
17	Is There Evidence for Flat Cores in the Halos of Dwarf Galaxies? The Case of NGC 3109 and NGC 6822. <i>Astrophysical Journal</i> , 2007, 657, 773-789.	1.6	119
18	THE BARYON CYCLE OF DWARF GALAXIES: DARK, BURSTY, GAS-RICH POLLUTERS. <i>Astrophysical Journal</i> , 2014, 792, 99.	1.6	117

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19	The origin and properties of intracluster stars in a rich cluster. Monthly Notices of the Royal Astronomical Society, 2004, 355, 159-168.	1.6	114
20	PAIRING OF SUPERMASSIVE BLACK HOLES IN UNEQUAL-MASS GALAXY MERGERS. Astrophysical Journal, 2009, 696, L89-L92.	1.6	111
21	Misaligned angular momentum in hydrodynamic cosmological simulations: warps, outer discs and thick discs. Monthly Notices of the Royal Astronomical Society, 2010, 408, 783-796.	1.6	105
22	THE DUAL ORIGIN OF STELLAR HALOS. II. CHEMICAL ABUNDANCES AS TRACERS OF FORMATION HISTORY. Astrophysical Journal, 2010, 721, 738-743.	1.6	101
23	Damped Lyman α systems in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2008, , .	1.6	100
24	WANDERING BLACK HOLES IN BRIGHT DISK GALAXY HALOS. Astrophysical Journal Letters, 2010, 721, L148-L152.	3.0	99
25	DARK MATTER HEATING AND EARLY CORE FORMATION IN DWARF GALAXIES. Astrophysical Journal Letters, 2014, 789, L17.	3.0	97
26	Dark matter in Draco and the Local Group: Implications for direct detection experiments. Physical Review D, 2001, 64, .	1.6	95
27	Adaptive techniques for clustered N-body cosmological simulations. Computational Astrophysics and Cosmology, 2015, 2, .	22.7	93
28	Tidal debris of dwarf spheroidals as a probe of structure formation models. Monthly Notices of the Royal Astronomical Society, 2002, 336, 119-130.	1.6	89
29	THE FIRST MASSIVE BLACK HOLE SEEDS AND THEIR HOSTS. Astrophysical Journal, 2011, 742, 13.	1.6	88
30	How to quench a galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 465, 547-558.	1.6	86
31	Dark matter subhaloes in numerical simulations. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1537-1548.	1.6	85
32	Formation of Disk Galaxies in Computer Simulations. Advanced Science Letters, 2008, 1, 7-27.	0.2	85
33	Evolution of the density profiles of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 0, 357, 82-96.	1.6	80
34	The Local Group as a test of cosmological models. New Astronomy, 1997, 2, 91-106.	0.8	79
35	Intracluster Stellar Population Properties from N-body Cosmological Simulations. I. Constraints at $z=0$. Astrophysical Journal, 2003, 594, 172-185.	1.6	77
36	Predicting the Number, Spatial Distribution, and Merging History of Dark Matter Halos. Astrophysical Journal, 2002, 564, 8-14.	1.6	67

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37	Growing black holes and galaxies: black hole accretion versus star formation rate. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1470-1485.	1.6	64
38	Wandering Supermassive Black Holes in Milky-Way-mass Halos. Astrophysical Journal Letters, 2018, 857, L22.	3.0	61
39	Conserved actions, maximum entropy and dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2013, 430, 121-133.	1.6	58
40	Nuclear coups: dynamics of black holes in galaxy mergers. Monthly Notices of the Royal Astronomical Society, 2014, 439, 474-487.	1.6	56
41	The Formation of Polar Disk Galaxies. Astrophysical Journal, 2008, 689, 678-686.	1.6	53
42	Black hole accretion versus star formation rate: theory confronts observations. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 452, L6-L10.	1.2	50
43	How to Reconcile the Observed Velocity Function of Galaxies with Theory. Astrophysical Journal, 2017, 850, 97.	1.6	46
44	The nature of H α absorbers in gamma-ray burst afterglows: clues from hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1523-1535.	1.6	44
45	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. V. MAPPING THE DARK MATTER HALO. Astrophysical Journal, 2014, 794, 151.	1.6	44
46	The signature of dark energy on the local Hubble flow. Monthly Notices of the Royal Astronomical Society, 2005, 359, 941-948.	1.6	43
47	ASSESSING ASTROPHYSICAL UNCERTAINTIES IN DIRECT DETECTION WITH GALAXY SIMULATIONS. Astrophysical Journal, 2016, 831, 93.	1.6	42
48	THE RELATIVE ROLE OF GALAXY MERGERS AND COSMIC FLOWS IN FEEDING BLACK HOLES. Astrophysical Journal, 2013, 779, 136.	1.6	36
49	A rumble in the dark: signatures of self-interacting dark matter in supermassive black hole dynamics and galaxy density profiles. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2845-2854.	1.6	36
50	Black hole starvation and bulge evolution in a Milky Way-like galaxy. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2603-2617.	1.6	35
51	Comparison of black hole growth in galaxy mergers with gasoline and ramses. Astronomy and Astrophysics, 2016, 592, A62.	2.1	34
52	On the Origin of Early-Type Galaxies and the Evolution of the Interaction Rate in the Field. Astronomical Journal, 1999, 117, 1651-1656.	1.9	33
53	Milking the spherical cow – on aspherical dynamics in spherical coordinates. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1366-1379.	1.6	29
54	Effects of inclination on measuring velocity dispersion and implications for black holes. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2667-2676.	1.6	28

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55	KINEMATIC EVOLUTION OF SIMULATED STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 790, 89.	1.6	25
56	Beta Dips in the Gaia Era: Simulation Predictions of the Galactic Velocity Anisotropy Parameter ($\hat{\beta}^2$) for Stellar Halos. <i>Astrophysical Journal</i> , 2018, 853, 196.	1.6	24
57	The age dependence of galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 777-784.	1.6	21
58	CONSTRAINTS ON THE SHAPE OF THE MILKY WAY DARK MATTER HALO FROM JEANS EQUATIONS APPLIED TO SLOAN DIGITAL SKY SURVEY DATA. <i>Astrophysical Journal Letters</i> , 2012, 758, L23.	3.0	21
59	Constraining the Nature of Dark Matter with the Star-formation History of the Faintest Local Group Dwarf Galaxy Satellites. <i>Astrophysical Journal</i> , 2017, 845, 17.	1.6	9
60	Angular momentum evolution in dark-matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1963-1976.	1.6	8
61	Quantifying the origin and distribution of intracluster Light in a Fornax-Like Cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4501-4513.	1.6	7
62	THE PRESSURE OF THE STAR-FORMING INTERSTELLAR MEDIUM IN COSMOLOGICAL SIMULATIONS. <i>Astrophysical Journal Letters</i> , 2014, 781, L14.	3.0	6
63	Particle tagging and its implications for stellar population dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3212-3222.	1.6	6
64	Preferential Accretion in the Supermassive Black Holes of Milky Way-size Galaxies Due to Direct Feeding by Satellites. <i>Astrophysical Journal</i> , 2018, 860, 20.	1.6	5
65	Prospects for Cosmology with Cluster Mass Profiles. <i>Astrophysical Journal</i> , 1997, 477, L5-L8.	1.6	1
66	Disk-Planet Interaction: Triggered Formation and Migration. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	0
67	The Distribution of Black Holes in Galaxy Halos. , 2009, , .		0
68	Fossil SMBHs in the Milky Way Halo. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 196-196.	0.0	0
69	Outer Disks: Radial Migration and Misaligned Gas Infall. , 2010, , .		0