

George Lake

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,981
citations

186209

28
h-index

243529

44
g-index

51
all docs

51
docs citations

51
times ranked

4148
citing authors

#	ARTICLE	IF	CITATIONS
1	Another baryon miracle? Testing solutions to the "missing dwarfs"™ problem. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4825-4840.	1.6	10
2	Hints against the cold and collisionless nature of dark matter from the galaxy velocity function. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1542-1558.	1.6	42
3	Individual-based modelling of population growth and diffusion in discrete time. PLoS ONE, 2017, 12, e0176101.	1.1	9
4	The Milky Way and the Local Group. Astrophysics and Space Science Library, 2016, , 93-188.	1.0	0
5	A critical look at the merger scenario to explain multiple populations and rotation in iron-complex globular clusters. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1276-1287.	1.6	32
6	The Physics of Galaxy Formation and Evolution. Astrophysics and Space Science Library, 2016, , 585-695.	1.0	0
7	AN AGENT-BASED MODEL OF HUMAN DISPERSALS AT A GLOBAL SCALE. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350023.	0.9	16
8	Habitability in Different Milky Way Stellar Environments: A Stellar Interaction Dynamical Approach. Astrobiology, 2013, 13, 491-509.	1.5	29
9	A new determination of the local dark matter density from the kinematics of K dwarfs. Monthly Notices of the Royal Astronomical Society, 2012, 425, 1445-1458.	1.6	125
10	Limits on the local dark matter density. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2318-2340.	1.6	54
11	Effect of different stellar galactic environments on planetary discs - I. The solar neighbourhood and the birth cloud of the Sun. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1272-1284.	1.6	51
12	Measuring the Local Dark Matter Density. , 2010, , .		2
13	DETECTING THE MILKY WAY'S DARK DISK. Astrophysical Journal, 2009, 696, 920-923.	1.6	67
14	Dark matter disc enhanced neutrino fluxes from the Sun and Earth. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 250-256.	1.5	46
15	GLOBULAR CLUSTER FORMATION WITHIN A COSMOLOGICAL CONTEXT. Astrophysical Journal, 2009, 706, L192-L196.	1.6	43
16	The Magellanic Group and the Seven Dwarfs. Proceedings of the International Astronomical Union, 2008, 4, 473-478.	0.0	1
17	Small Dwarf Galaxies within Larger Dwarfs: Why Some Are Luminous while Most Go Dark. Astrophysical Journal, 2008, 686, L61-L65.	1.6	143
18	The age dependence of galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2007, 378, 777-784.	1.6	21

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19	Dynamical friction in constant density cores: a failure of the Chandrasekhar formula. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1451-1460.	1.6	133
20	Dark matter subhaloes in numerical simulations. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1537-1548.	1.6	85
21	Cold Dark Matter's Small-Scale Crisis Grows Up. Astrophysical Journal, 2004, 612, 628-632.	1.6	41
22	The Problems with Galaxy Formation. Astrophysics and Space Science Library, 2004, , 359-376.	1.0	1
23	Evolution of the mass function of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2003, 346, 565-572.	1.6	187
24	Dark matter in Draco and the Local Group: Implications for direct detection experiments. Physical Review D, 2001, 64, .	1.6	95
25	Tidal Stirring and the Origin of Dwarf Spheroidals in the Local Group. Astrophysical Journal, 2001, 547, L123-L127.	1.6	208
26	The Metamorphosis of Tidally Stirred Dwarf Galaxies. Astrophysical Journal, 2001, 559, 754-784.	1.6	312
27	The fate of LSB galaxies in clusters and the origin of the diffuse intra-cluster light. International Astronomical Union Colloquium, 1999, 171, 229-236.	0.1	2
28	Galaxy Harassment's Interactions for the 90s. Symposium - International Astronomical Union, 1999, 186, 393-400.	0.1	1
29	Bulges and black holes: Harassing the hosts. Advances in Space Research, 1999, 23, 937-948.	1.2	0
30	Dark Matter Substructure within Galactic Halos. Astrophysical Journal, 1999, 524, L19-L22.	1.6	2,396
31	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
32	Substructure in Dark Halos: Orbital Eccentricities and Dynamical Friction. Astrophysical Journal, 1999, 515, 50-68.	1.6	135
33	Galaxy Harassment's Interactions For The 90s. , 1999, , 393-400.		2
34	Morphological Transformation from Galaxy Harassment. Astrophysical Journal, 1998, 495, 139-151.	1.6	667
35	The Formation of Quasars in Low-Luminosity Hosts via Galaxy Harassment. Astrophysical Journal, 1998, 495, 152-156.	1.6	64
36	The Local Group as a test of cosmological models. New Astronomy, 1997, 2, 91-106.	0.8	79

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37	Dynamical Effects on Galaxies in Clusters. Symposium - International Astronomical Union, 1996, 171, 203-206.	0.1	1
38	Galaxy harassment and the evolution of clusters of galaxies. Nature, 1996, 379, 613-616.	13.7	1,403
39	On the Destruction and Overmerging of Dark Halos in Dissipationless N-Body Simulations. Astrophysical Journal, 1996, 457, 455.	1.6	135
40	Detectability of $\hat{\nu}^3$ -rays from clumps of dark matter. Nature, 1990, 346, 39-40.	13.7	56
41	High dark matter densities and the formation of extreme dwarf galaxies. Astrophysical Journal, 1990, 356, L43.	1.6	9
42	Phase densities and the merger hypothesis. Astronomical Journal, 1989, 97, 1312.	1.9	17
43	The distribution of dark matter in galaxies. II - Neutrino-mass limits. Astronomical Journal, 1989, 98, 1253.	1.9	8
44	Must the disk and halo dark matter be different?. Astronomical Journal, 1989, 98, 1554.	1.9	26
45	The self-enrichment of globular clusters. Astrophysical Journal, 1989, 339, 171.	1.6	29
46	The collapse and formation of galaxies. II - A control parameter for the Hubble sequence. III - The origin of the Hubble sequence. Astronomical Journal, 1988, 96, 1581.	1.9	15
47	The Collapse and Formation of Galaxies. III. The Origin of the Hubble Sequence. Astronomical Journal, 1988, 96, 1587.	1.9	14
48	Formation and Secular Evolution of Elliptical Galaxies. Symposium - International Astronomical Union, 1987, 127, 331-338.	0.1	0
49	A dynamical study of merger remnants. Astrophysical Journal, 1986, 310, 605.	1.6	53
50	Can galaxy warps be used to provide constraints on halo properties?. Nature, 1980, 287, 705-706.	13.7	3
51	Evolution of the density profiles of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 0, 357, 82-96.	1.6	80