George Lake

List of Publications by Year
in descending order

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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	Dark Matter Substructure within Galactic Halos. Astrophysical Journal, 1999, 524, L19-L22.	1.6	2,396
2	Galaxy harassment and the evolution of clusters of galaxies. Nature, 1996, 379, 613-616.	13.7	1,403
3	Morphological Transformation from Galaxy Harassment. Astrophysical Journal, 1998, 495, 139-151.	1.6	667
4	The Metamorphosis of Tidally Stirred Dwarf Galaxies. Astrophysical Journal, 2001, 559, 754-784.	1.6	312
5	Tidal Stirring and the Origin of Dwarf Spheroidals in the Local Group. Astrophysical Journal, 2001, 547, L123-L127.	1.6	208
6	Evolution of the mass function of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2003, 346, 565-572.	1.6	187
7	Small Dwarf Galaxies within Larger Dwarfs: Why Some Are Luminous while Most Go Dark. Astrophysical Journal, 2008, 686, L61-L65.	1.6	143
8	On the Destruction and Overmerging of Dark Halos in Dissipationless N-Body Simulations. Astrophysical Journal, 1996, 457, 455.	1.6	135
9	Substructure in Dark Halos: Orbital Eccentricities and Dynamical Friction. Astrophysical Journal, 1999, 515, 50-68.	1.6	135
10	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
11	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
12	Dark matter in Draco and the Local Group: Implications for direct detection experiments. Physical Review D, 2001, 64, .	1.6	95
13	Dark matter subhaloes in numerical simulations. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1537-1548.	1.6	85
14	Evolution of the density profiles of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 0, 357, 82-96.	1.6	80
15	The Local Group as a test of cosmological models. New Astronomy, 1997, 2, 91-106.	0.8	79
16	DETECTING THE MILKY WAY'S DARK DISK. Astrophysical Journal, 2009, 696, 920-923.	1.6	67
17	The Formation of Quasars in Lowâ€Luminosity Hosts via Galaxy Harassment. Astrophysical Journal, 1998, 495, 152-156.	1.6	64
18	Detectability of Î³-rays from clumps of dark matter. Nature, 1990, 346, 39-40.	13.7	56

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19	Limits on the local dark matter density. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2318-2340.	1.6	54
20	A dynamical study of merger remnants. Astrophysical Journal, 1986, 310, 605.	1.6	53
21	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
22	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
23	GLOBULAR CLUSTER FORMATION WITHIN A COSMOLOGICAL CONTEXT. Astrophysical Journal, 2009, 706, L192-L196.	1.6	43
24	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
25	Cold Dark Matterâ€™s Smallâ€Scale Crisis Grows Up. Astrophysical Journal, 2004, 612, 628-632.	1.6	41
26	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
27	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
28	Habitability in Different Milky Way Stellar Environments: A Stellar Interaction Dynamical Approach. Astrobiology, 2013, 13, 491-509.	1.5	29
29	The self-enrichment of globular clusters. Astrophysical Journal, 1989, 339, 171.	1.6	29
30	Must the disk and halo dark matter be different?. Astronomical Journal, 1989, 98, 1554.	1.9	26
31	The age dependence of galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2007, 378, 777-784.	1.6	21
32	Phase densities and the merger hypothesis. Astronomical Journal, 1989, 97, 1312.	1.9	17
33	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
34	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
35	The Collapse and Formation of Galaxies. III. The Origin of the Hubble Sequence. Astronomical Journal, 1988, 96, 1587.	1.9	14
36	Another baryon miracle? Testing solutions to the â€˜missing dwarfsâ€™ problem. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4825-4840.	1.6	10

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37	High dark matter densities and the formation of extreme dwarf galaxies. Astrophysical Journal, 1990, 356, L43.	1.6	9
38	Individual-based modelling of population growth and diffusion in discrete time. PLoS ONE, 2017, 12, e0176101.	1.1	9
39	The distribution of dark matter in galaxies. II - Neutrino-mass limits. Astronomical Journal, 1989, 98, 1253.	1.9	8
40	Can galaxy warps be used to provide constraints on halo properties?. Nature, 1980, 287, 705-706.	13.7	3
41	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
42	Measuring the Local Dark Matter Density. , 2010, , .		2
43	Galaxy Harassment â€" Interactions For The 90S. , 1999, , 393-400.		2
44	Dynmamical Effects on Galaxies in Clusters. Symposium - International Astronomical Union, 1996, 171, 203-206.	0.1	1
45	Galaxy Harassmentâ€"Interactions for the 90s. Symposium - International Astronomical Union, 1999, 186, 393-400.	0.1	1
46	The Magellanic Group and the Seven Dwarfs. Proceedings of the International Astronomical Union, 2008, 4, 473-478.	0.0	1
47	The Problems with Galaxy Formation. Astrophysics and Space Science Library, 2004, , 359-376.	1.0	1
48	Formation and Secular Evolution of Elliptical Galaxies. Symposium - International Astronomical Union, 1987, 127, 331-338.	0.1	0
49	Bulges and black holes: Harassing the hosts. Advances in Space Research, 1999, 23, 937-948.	1.2	0
50	The Milky Way and the Local Group. Astrophysics and Space Science Library, 2016, , 93-188.	1.0	0
51	The Physics of Galaxy Formation and Evolution. Astrophysics and Space Science Library, 2016, , 585-695.	1.0	0