Margaret J Geller

List of Publications by Year
in descending order

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121 papers	6,736 citations	53794 45 h-index	62596 80 g-index
121 all docs	121 docs citations	121 times ranked	4551 citing authors

#	Article	IF	Citations
1	[Oii] as a Star Formation Rate Indicator. Astronomical Journal, 2004, 127, 2002-2030.	4.7	338
2	Hectospec, the MMTâ€™s 300 Optical Fiberâ€Fed Spectrograph. Publications of the Astronomical Society of the Pacific, 2005, 117, 1411-1434.	3.1	311
3	Discovery of an Unbound Hypervelocity Star in the Milky Way Halo. Astrophysical Journal, 2005, 622, L33-L36.	4.5	289
4	Tidally Triggered Star Formation in Close Pairs of Galaxies. Astrophysical Journal, 2000, 530, 660-679.	4.5	275
5	Galaxy Correlations as a Function of Morphological Type. Astrophysical Journal, 1976, 208, 13.	4.5	268
6	THE UNIVERSAL RELATION OF GALACTIC CHEMICAL EVOLUTION: THE ORIGIN OF THE MASS-METALLICITY RELATION. Astrophysical Journal, 2014, 791, 130.	4.5	240
7	Infall Regions of Galaxy Clusters. Astrophysical Journal, 1997, 481, 633-643.	4.5	232
8	Power spectrum, correlation function, and tests for luminosity bias in the CfA redshift survey. Astrophysical Journal, 1994, 431, 569.	4.5	211
9	CAIRNS: The Cluster and Infall Region Nearby Survey. I. Redshifts and Mass Profiles. Astronomical Journal, 2003, 126, 2152-2170.	4.7	198
10	MEASURING THE ULTIMATE HALO MASS OF GALAXY CLUSTERS: REDSHIFTS AND MASS PROFILES FROM THE HECTOSPEC CLUSTER SURVEY (HeCS). Astrophysical Journal, 2013, 767, 15.	4.5	165
11	THE CHEMICAL EVOLUTION OF STAR-FORMING GALAXIES OVER THE LAST 11 BILLION YEARS. Astrophysical Journal Letters, 2013, 771, L19.	8.3	139
12	THE MASS PROFILE OF THE GALAXY TO 80 kpc. Astrophysical Journal Letters, 2010, 720, L108-L112.	8.3	133
13	The distribution of nearby rich clusters of galaxies. Astrophysical Journal, 1992, 384, 404.	4.5	126
14	The UZC-SSRS2 Group Catalog. Astronomical Journal, 2002, 123, 2976-2984.	4.7	115
15	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. Astrophysical Journal, 2012, 757, 22.	4.5	112
16	Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. Astrophysical Journal, 2006, 653, 1194-1202.	4.5	111
17	MMT HYPERVELOCITY STAR SURVEY. III. THE COMPLETE SURVEY. Astrophysical Journal, 2014, 787, 89.	4.5	110
18	Infall patterns around rich clusters of galaxies. Astronomical Journal, 1989, 98, 755.	4.7	102

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19	Hypervelocity Stars. I. The Spectroscopic Survey. Astrophysical Journal, 2006, 647, 303-311.	4.5	102
20	MMT HYPERVELOCITY STAR SURVEY. Astrophysical Journal, 2009, 690, 1639-1647.	4.5	94
21	Hypervelocity Stars: From the Galactic Center to the Halo. Astrophysical Journal, 2008, 680, 312-327.	4.5	92
22	Groups of Galaxies in the Northern CfA Redshift Survey. Astronomical Journal, 1997, 113, 483.	4.7	90
23	CAIRNS: The Cluster and Infall Region Nearby Survey. III. Environmental Dependence of HÎ± Properties of Galaxies. Astronomical Journal, 2005, 130, 1482-1501.	4.7	84
24	A Successful Targeted Search for Hypervelocity Stars. Astrophysical Journal, 2006, 640, L35-L38.	4.5	83
25	Compact Group selection From Redshift Surveys. Astronomical Journal, 1996, 112, 871.	4.7	83
26	The RASSCALS: An Xâ€Ray and Optical Study of 260 Galaxy Groups. Astrophysical Journal, 2000, 534, 114-132.	4.5	80
27	The formation of compact groups of galaxies. I: Optical properties. Astronomical Journal, 1994, 107, 868.	4.7	79
28	VELOCITY DISPERSION PROFILE OF THE MILKY WAY HALO. Astronomical Journal, 2010, 139, 59-67.	4.7	77
29	SPECTROSCOPIC DETERMINATION OF THE LUMINOSITY FUNCTION IN THE GALAXY CLUSTERS A2199 AND VIRGO. Astronomical Journal, 2008, 135, 1837-1848.	4.7	76
30	Hypervelocity Stars. III. The Space Density and Ejection History of Mainâ€Sequence Stars from the Galactic Center. Astrophysical Journal, 2007, 671, 1708-1716.	4.5	72
31	TRIGGERED STAR FORMATION IN GALAXY PAIRS ATz= 0.08-0.38. Astronomical Journal, 2010, 139, 1857-1870.	4.7	68
32	Hypervelocity Stars. II. The Bound Population. Astrophysical Journal, 2007, 660, 311-318.	4.5	67
33	Caustic and Weak-Lensing Estimators of Galaxy Cluster Masses. Astrophysical Journal, 2005, 628, L97-L100.	4.5	61
34	MMT HYPERVELOCITY STAR SURVEY. II. FIVE NEW UNBOUND STARS. Astrophysical Journal, 2012, 751, 55.	4.5	60
35	HeCS-SZ: THE HECTOSPEC SURVEY OF SUNYAEVâ€“ZELDOVICH-SELECTED CLUSTERS. Astrophysical Journal, 2016, 819, 63.	4.5	60
36	THE SCALING OF STELLAR MASS AND CENTRAL STELLAR VELOCITY DISPERSION FOR QUIESCENT GALAXIES AT zÂ<Â0.7. Astrophysical Journal, 2016, 832, 203.	4.5	59

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37	MEASURING THE MASS DISTRIBUTION IN GALAXY CLUSTERS. Astrophysical Journal, 2013, 764, 58.	4.5	58
38	The birthplace of compact groups of galaxies. Astronomical Journal, 1994, 107, 1623.	4.7	57
39	SHELS: The Hectospec Lensing Survey. Astrophysical Journal, 2005, 635, L125-L128.	4.5	56
40	PREDICTED SPACE MOTIONS FOR HYPERVELOCITY AND RUNAWAY STARS: PROPER MOTIONS AND RADIAL VELOCITIES FOR THEGAIAEra. Astrophysical Journal, 2014, 793, 122.	4.5	54
41	Gaia and the Galactic Center Origin of Hypervelocity Stars. Astrophysical Journal, 2018, 866, 39.	4.5	54
42	A RISE IN THE IONIZING PHOTONS IN STAR-FORMING GALAXIES OVER THE PAST 8 BILLION YEARS. Astrophysical Journal Letters, 2015, 812, L20.	8.3	53
43	PROPER MOTIONS AND TRAJECTORIES FOR 16 EXTREME RUNAWAY AND HYPERVELOCITY STARS. Astrophysical Journal, 2015, 804, 49.	4.5	50
44	RUNAWAY STARS, HYPERVELOCITY STARS, AND RADIAL VELOCITY SURVEYS. Astrophysical Journal, 2009, 706, 925-940.	4.5	46
45	SHELS: A COMPLETE GALAXY REDSHIFT SURVEY WITH R â©½ 20.6. Astrophysical Journal, Supplement Series, 2014, 213, 35.	7.7	46
46	THE CENTURY SURVEY GALACTIC HALO PROJECT. III. A COMPLETE 4300 DEG²SURVEY OF BLUE HORIZONTAL BRANCH STARS IN THE METAL-WEAK THICK DISK AND INNER HALO. Astronomical Journal, 2008, 135, 564-574.	4.7	45
47	The Velocity Dispersion Function of Very Massive Galaxy Clusters: Abell 2029 and Coma. Astrophysical Journal, Supplement Series, 2017, 229, 20.	7.7	44
48	THE NUMBER DENSITY OF QUIESCENT COMPACT GALAXIES AT INTERMEDIATE REDSHIFT. Astrophysical Journal, 2014, 793, 39.	4.5	43
49	Spectrophotometry with Hectospec, the MMT's Fiber-Fed Spectrograph. Publications of the Astronomical Society of the Pacific, 2008, 120, 1222-1232.	3.1	39
50	QUIESCENT COMPACT GALAXIES AT INTERMEDIATE REDSHIFT IN THE COSMOS FIELD. THE NUMBER DENSITY. Astrophysical Journal, 2015, 806, 158.	4.5	38
51	SHELS: TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS. Astrophysical Journal, 2010, 709, 832-850.	4.5	36
52	BINARY DISRUPTION BY MASSIVE BLACK HOLES: HYPERVELOCITY STARS, S STARS, AND TIDAL DISRUPTION EVENTS. Astrophysical Journal Letters, 2012, 749, L42.	8.3	36
53	Velocity Dispersion, Size, SÃ©rsic Index, and D_n4000: The Scaling of Stellar Mass with Dynamical Mass for Quiescent Galaxies. Astrophysical Journal, 2017, 841, 32.	4.5	36
54	EVOLUTION OF THE HÎ± LUMINOSITY FUNCTION. Astrophysical Journal, 2010, 708, 534-549.	4.5	35

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55	A REDSHIFT SURVEY OF THE STRONG-LENSING CLUSTER ABELL 383. Astrophysical Journal, 2014, 783, 52.	4.5	35
56	A GALACTIC ORIGIN FOR HE 0437â€“5439, THE HYPERVELOCITY STAR NEAR THE LARGE MAGELLANIC CLOUD. Astrophysical Journal Letters, 2010, 719, L23-L27.	8.3	34
57	Nearby High-speed Stars in Gaia DR2. Astrophysical Journal, 2018, 868, 25.	4.5	33
58	hCOSMOS: A Dense Spectroscopic Survey of r â‰¤ 21.3 Galaxies in the COSMOS field. Astrophysical Journal, Supplement Series, 2018, 234, 21.	7.7	33
59	Hydrostatic and caustic mass profiles of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4182-4191.	4.4	32
60	THE ENVIRONMENT OF MASSIVE QUIESCENT COMPACT GALAXIES AT 0.1 <<i>z</i>< 0.4 IN THE COSMOS FIELD. Astrophysical Journal, 2015, 815, 104.	4.5	31
61	LyÎ± Absorption Systems and the Nearby Galaxy Distribution. Astrophysical Journal, 1998, 505, 506-518.	4.5	31
62	THE NATURE OF HYPERVELOCITY STARS AND THE TIME BETWEEN THEIR FORMATION AND EJECTION. Astrophysical Journal Letters, 2012, 754, L2.	8.3	27
63	COMPARING DENSE GALAXY CLUSTER REDSHIFT SURVEYS WITH WEAK-LENSING MAPS. Astrophysical Journal, 2014, 797, 106.	4.5	27
64	THE FAINT END OF THE LUMINOSITY FUNCTION AND LOW SURFACE BRIGHTNESS GALAXIES. Astronomical Journal, 2012, 143, 102.	4.7	26
65	SHELS: COMPLETE REDSHIFT SURVEYS OF TWO WIDELY SEPARATED FIELDS. Astrophysical Journal, Supplement Series, 2016, 224, 11.	7.7	26
66	The dependence of the massâ€“metallicity relation on large-scale environment. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1881-1892.	4.4	26
67	HECTOMAP AND HORIZON RUN 4: DENSE STRUCTURES AND VOIDS IN THE REAL AND SIMULATED UNIVERSE. Astrophysical Journal, 2016, 818, 173.	4.5	25
68	Stellar Velocity Dispersion: Linking Quiescent Galaxies to Their Dark Matter Halos. Astrophysical Journal, 2018, 859, 96.	4.5	25
69	SHELS: OPTICAL SPECTRAL PROPERTIES OFWISE22 Î¼m SELECTED GALAXIES. Astrophysical Journal, 2012, 758, 25.	4.5	24
70	THE STRUCTURE OF THE STRONGLY LENSED GAMMA-RAY SOURCE B2 0218+35. Astrophysical Journal, 2016, 821, 58.	4.5	24
71	Quiescent Galaxy Size and Spectroscopic Evolution: Combining HSC Imaging and Hectospec Spectroscopy. Astrophysical Journal, 2019, 872, 91.	4.5	24
72	The Century Survey Galactic Halo Project. I. Stellar Spectral Analysis. Astronomical Journal, 2003, 126, 1362-1380.	4.7	23

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73	Measuring Galaxy Velocity Dispersions with Hectospec. Publications of the Astronomical Society of the Pacific, 2013, 125, 1362-1369.	3.1	23
74	RESOLVING THE HIGH-ENERGY UNIVERSE WITH STRONG GRAVITATIONAL LENSING: THE CASE OF PKS 1830â€“211. Astrophysical Journal, 2015, 809, 100.	4.5	22
75	Velocity Dispersions of Brightest Cluster Galaxies and Their Host Clusters. Astrophysical Journal, 2020, 891, 129.	4.5	22
76	MAPPING THE UNIVERSE: THE 2010 RUSSELL LECTURE. Astronomical Journal, 2011, 142, 133.	4.7	21
77	STELLAR VELOCITY DISPERSION AND ANISOTROPY OF THE MILKY WAY INNER HALO. Astrophysical Journal, 2015, 813, 89.	4.5	21
78	The Century Survey Galactic Halo Project. II. Global Properties and the Luminosity Function of Field Blue Horizontal Branch Stars. Astronomical Journal, 2005, 130, 1097-1110.	4.7	20
79	AWISEVIEW OF A NEARBY SUPERCLUSTER A2199. Astrophysical Journal, 2012, 752, 64.	4.5	20
80	CATALOGS OF COMPACT GROUPS OF GALAXIES FROM THE ENHANCED SDSS DR12. Astrophysical Journal, Supplement Series, 2016, 225, 23.	7.7	20
81	Empirical Opticalk-Corrections for Redshifts. Publications of the Astronomical Society of the Pacific, 2010, 122, 1258-1284.	3.1	19
82	The HectoMAP Cluster Survey. I. redMaPPer Clusters. Astrophysical Journal, 2018, 856, 172.	4.5	19
83	COMPACT GROUPS OF GALAXIES WITH COMPLETE SPECTROSCOPIC REDSHIFTS IN THE LOCAL UNIVERSE. Journal of the Korean Astronomical Society, 2015, 48, 381-398.	1.5	19
84	QUIESCENT COMPACT GALAXIES AT INTERMEDIATE REDSHIFT IN THE COSMOS FIELD. II. THE FUNDAMENTAL PLANE OF MASSIVE GALAXIES. Astrophysical Journal, 2015, 806, 122.	4.5	18
85	DISCOVERY OF NINE INTERMEDIATE-REDSHIFT COMPACT QUIESCENT GALAXIES IN THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal Letters, 2013, 775, L48.	8.3	17
86	The Velocity Dispersion Function for Quiescent Galaxies in the Local Universe. Astrophysical Journal, 2017, 845, 73.	4.5	17
87	THE STELLAR MASS FUNDAMENTAL PLANE AND COMPACT QUIESCENT GALAXIES AT zÂ<Â0.6. Astrophysical Journal, 2016, 821, 101.	4.5	16
88	HeCS-red: Dense Hectospec Surveys of redMaPPer-selected Clusters. Astrophysical Journal, 2018, 862, 172.	4.5	16
89	Impact of the Galactic Disk and Large Magellanic Cloud on the Trajectories of Hypervelocity Stars Ejected from the Galactic Center. Astrophysical Journal, 2018, 864, 130.	4.5	16
90	COMPACT E+A GALAXIES AS A PROGENITOR OF MASSIVE COMPACT QUIESCENT GALAXIES AT 0.2Â<ÂzÂ<Â0.8. Astrophysical Journal, 2016, 831, 146.	4.5	15

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91	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. Astrophysical Journal, 2014, 786, 93.	4.5	14
92	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. Astrophysical Journal, 2012, 750, 168.	4.5	13
93	THE ORIGIN OF HVS17, AN UNBOUND MAIN SEQUENCE B STAR AT 50 kpc. Astrophysical Journal, 2013, 775, 32.	4.5	12
94	STRONG GRAVITATIONAL LENSING AS A TOOL TO INVESTIGATE THE STRUCTURE OF JETS AT HIGH ENERGIES. Astrophysical Journal, 2014, 788, 139.	4.5	12
95	A model for superlight velocities of extragalactic radio sources. Nature, 1977, 265, 219-222.	27.8	11
96	A WEAK LENSING VIEW OF THE DOWNSIZING OF STAR-FORMING GALAXIES*. Astrophysical Journal, 2016, 833, 156.	4.5	10
97	The HectoMAP Cluster Survey. II. X-Ray Clusters. Astrophysical Journal, 2018, 855, 100.	4.5	10
98	The HectoMAP Redshift Survey: First Data Release. Astrophysical Journal, 2021, 909, 129.	4.5	10
99	The Coevolution of Massive Quiescent Galaxies and Their Dark Matter Halos over the Last 6 Billion Years. Astrophysical Journal, 2019, 878, 158.	4.5	10
100	HectoMAPping the Universe. Astronomische Nachrichten, 2015, 336, 428-436.	1.2	9
101	The Massively Accreting Cluster A2029. Astrophysical Journal, 2019, 871, 129.	4.5	9
102	A Complete Spectroscopic Census of A2029: A Tale of Three Histories. Astrophysical Journal, 2019, 872, 192.	4.5	9
103	COMPARISON OF GALAXY CLUSTERS SELECTED BY WEAK-LENSING, OPTICAL SPECTROSCOPY, AND X-RAYS IN THE DEEP LENS SURVEY F2 FIELD. Astrophysical Journal, 2014, 786, 125.	4.5	8
104	The HectoMAP Cluster Survey: Spectroscopically Identified Clusters and their Brightest Cluster Galaxies (BCGs). Astrophysical Journal, 2021, 923, 143.	4.5	8
105	STRONGLY LENSED JETS, TIME DELAYS, AND THE VALUE OFH₀. Astrophysical Journal, 2015, 799, 48.	4.5	7
106	IDENTIFYING STAR STREAMS IN THE MILKY WAY HALO. Astrophysical Journal, 2012, 750, 81.	4.5	6
107	A Spectroscopic Census of X-Ray Systems in the COSMOS Field. Astrophysical Journal, 2019, 880, 142.	4.5	6
108	A Complete Photometric Catalog of r_pÂ<Â17.77 SDSS Galaxies without Spectroscopy. Research Notes of the AAS, 2018, 2, 234.	0.7	6

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109	Velocity Dispersions of Massive Quiescent Galaxies from Weak Lensing and Spectroscopy*. Astrophysical Journal, 2020, 900, 50.	4.5	6
110	The Velocity Dispersion Function for Quiescent Galaxies in Nine Strong-lensing Clusters. Astrophysical Journal, 2020, 902, 17.	4.5	5
111	Mass Accretion Rates of the HectoMAP Clusters of Galaxies. Astrophysical Journal, 2022, 927, 26.	4.5	5
112	Spectroscopic Tomography: A First Weak-lensing Detection Using Spectroscopic Redshifts Only. Astrophysical Journal, 2020, 903, 64.	4.5	4
113	Quiescent Galaxy Size, Velocity Dispersion, and Dynamical Mass Evolution. Astrophysical Journal, 2022, 929, 61.	4.5	4
114	Large-Scale Structure: The Center for Astrophysics Redshift Survey. Symposium - International Astronomical Union, 1987, 124, 301-313.	0.1	2
115	A Spectroscopic View of the JWST/GTO Strong Lensing Cluster A1489. Astrophysical Journal, 2022, 930, 156.	4.5	2
116	Coevolution of Brightest Cluster Galaxies and Their Host Clusters in IllustrisTNG. Astrophysical Journal, 2022, 931, 31.	4.5	2
117	Clusters of Galaxies: Structure, Infall, and Large-Scale Distribution. , 1990, , 25-42.		1
118	The Galaxy Distribution and the Large-Scale Structure of the Universe. Annals of the New York Academy of Sciences, 1986, 470, 123-135.	3.8	0
119	Two Questions about the Large-Scale Distribution of Galaxies. Symposium - International Astronomical Union, 1988, 130, 255-258.	0.1	0
120	The Center for Astrophysics Redshift Survey: Luminosity Function and Two-Point Correlation Function. Symposium - International Astronomical Union, 1988, 130, 519-519.	0.1	0
121	Anisotropy of Halo Main Sequence Turnoff Stars Measured with New MMT Radial Velocities and Gaia Proper Motions. Research Notes of the AAS, 2022, 6, 97.	0.7	0