

Margaret J Geller

List of Publications by Year in descending order

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121
papers

6,736
citations

53794

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62596

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121
all docs

121
docs citations

121
times ranked

4551
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Accretion Rates of the HectoMAP Clusters of Galaxies. <i>Astrophysical Journal</i> , 2022, 927, 26.	4.5	5
2	Quiescent Galaxy Size, Velocity Dispersion, and Dynamical Mass Evolution. <i>Astrophysical Journal</i> , 2022, 929, 61.	4.5	4
3	Anisotropy of Halo Main Sequence Turnoff Stars Measured with New MMT Radial Velocities and Gaia Proper Motions. <i>Research Notes of the AAS</i> , 2022, 6, 97.	0.7	0
4	A Spectroscopic View of the JWST/GTO Strong Lensing Cluster A1489. <i>Astrophysical Journal</i> , 2022, 930, 156.	4.5	2
5	Coevolution of Brightest Cluster Galaxies and Their Host Clusters in IllustrisTNG. <i>Astrophysical Journal</i> , 2022, 931, 31.	4.5	2
6	The HectoMAP Redshift Survey: First Data Release. <i>Astrophysical Journal</i> , 2021, 909, 129.	4.5	10
7	The HectoMAP Cluster Survey: Spectroscopically Identified Clusters and their Brightest Cluster Galaxies (BCGs). <i>Astrophysical Journal</i> , 2021, 923, 143.	4.5	8
8	Velocity Dispersions of Brightest Cluster Galaxies and Their Host Clusters. <i>Astrophysical Journal</i> , 2020, 891, 129.	4.5	22
9	Spectroscopic Tomography: A First Weak-lensing Detection Using Spectroscopic Redshifts Only. <i>Astrophysical Journal</i> , 2020, 903, 64.	4.5	4
10	Velocity Dispersions of Massive Quiescent Galaxies from Weak Lensing and Spectroscopy*. <i>Astrophysical Journal</i> , 2020, 900, 50.	4.5	6
11	The Velocity Dispersion Function for Quiescent Galaxies in Nine Strong-lensing Clusters. <i>Astrophysical Journal</i> , 2020, 902, 17.	4.5	5
12	A Spectroscopic Census of X-Ray Systems in the COSMOS Field. <i>Astrophysical Journal</i> , 2019, 880, 142.	4.5	6
13	The Massively Accreting Cluster A2029. <i>Astrophysical Journal</i> , 2019, 871, 129.	4.5	9
14	A Complete Spectroscopic Census of A2029: A Tale of Three Histories. <i>Astrophysical Journal</i> , 2019, 872, 192.	4.5	9
15	Quiescent Galaxy Size and Spectroscopic Evolution: Combining HSC Imaging and Hectospec Spectroscopy. <i>Astrophysical Journal</i> , 2019, 872, 91.	4.5	24
16	The Coevolution of Massive Quiescent Galaxies and Their Dark Matter Halos over the Last 6 Billion Years. <i>Astrophysical Journal</i> , 2019, 878, 158.	4.5	10
17	The HectoMAP Cluster Survey. I. redMaPPer Clusters. <i>Astrophysical Journal</i> , 2018, 856, 172.	4.5	19
18	Stellar Velocity Dispersion: Linking Quiescent Galaxies to Their Dark Matter Halos. <i>Astrophysical Journal</i> , 2018, 859, 96.	4.5	25

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19	HeCS-red: Dense Hectospec Surveys of redMaPPer-selected Clusters. <i>Astrophysical Journal</i> , 2018, 862, 172.	4.5	16
20	Nearby High-speed Stars in Gaia DR2. <i>Astrophysical Journal</i> , 2018, 868, 25.	4.5	33
21	Gaia and the Galactic Center Origin of Hypervelocity Stars. <i>Astrophysical Journal</i> , 2018, 866, 39.	4.5	54
22	Impact of the Galactic Disk and Large Magellanic Cloud on the Trajectories of Hypervelocity Stars Ejected from the Galactic Center. <i>Astrophysical Journal</i> , 2018, 864, 130.	4.5	16
23	The HectoMAP Cluster Survey. II. X-Ray Clusters. <i>Astrophysical Journal</i> , 2018, 855, 100.	4.5	10
24	hCOSMOS: A Dense Spectroscopic Survey of $r < 21.3$ Galaxies in the COSMOS field. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 21.	7.7	33
25	A Complete Photometric Catalog of $r < 17.77$ SDSS Galaxies without Spectroscopy. <i>Research Notes of the AAS</i> , 2018, 2, 234.	0.7	6
26	The Velocity Dispersion Function of Very Massive Galaxy Clusters: Abell 2029 and Coma. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 20.	7.7	44
27	Velocity Dispersion, Size, S^{bc} Index, and $D < 4000$: The Scaling of Stellar Mass with Dynamical Mass for Quiescent Galaxies. <i>Astrophysical Journal</i> , 2017, 841, 32.	4.5	36
28	The Velocity Dispersion Function for Quiescent Galaxies in the Local Universe. <i>Astrophysical Journal</i> , 2017, 845, 73.	4.5	17
29	The dependence of the mass-metallicity relation on large-scale environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1881-1892.	4.4	26
30	COMPACT E+A GALAXIES AS A PROGENITOR OF MASSIVE COMPACT QUIESCENT GALAXIES AT $0.2 < z < 0.8$. <i>Astrophysical Journal</i> , 2016, 831, 146.	4.5	15
31	A WEAK LENSING VIEW OF THE DOWNSIZING OF STAR-FORMING GALAXIES*. <i>Astrophysical Journal</i> , 2016, 833, 156.	4.5	10
32	SHELS: COMPLETE REDSHIFT SURVEYS OF TWO WIDELY SEPARATED FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 11.	7.7	26
33	Hydrostatic and caustic mass profiles of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4182-4191.	4.4	32
34	THE STRUCTURE OF THE STRONGLY LENSED GAMMA-RAY SOURCE B2 0218+35. <i>Astrophysical Journal</i> , 2016, 821, 58.	4.5	24
35	HECTOMAP AND HORIZON RUN 4: DENSE STRUCTURES AND VOIDS IN THE REAL AND SIMULATED UNIVERSE. <i>Astrophysical Journal</i> , 2016, 818, 173.	4.5	25
36	THE STELLAR MASS FUNDAMENTAL PLANE AND COMPACT QUIESCENT GALAXIES AT $z < 0.6$. <i>Astrophysical Journal</i> , 2016, 821, 101.	4.5	16

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37	CATALOGS OF COMPACT GROUPS OF GALAXIES FROM THE ENHANCED SDSS DR12. <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 23.	7.7	20
38	THE SCALING OF STELLAR MASS AND CENTRAL STELLAR VELOCITY DISPERSION FOR QUIESCENT GALAXIES AT $z \lesssim 0.7$. <i>Astrophysical Journal</i> , 2016, 832, 203.	4.5	59
39	HeCS-SZ: THE HECTOSPEC SURVEY OF SUNYAEV-ZELDOVICH-SELECTED CLUSTERS. <i>Astrophysical Journal</i> , 2016, 819, 63.	4.5	60
40	HectoMAPping the Universe. <i>Astronomische Nachrichten</i> , 2015, 336, 428-436.	1.2	9
41	STELLAR VELOCITY DISPERSION AND ANISOTROPY OF THE MILKY WAY INNER HALO. <i>Astrophysical Journal</i> , 2015, 813, 89.	4.5	21
42	THE ENVIRONMENT OF MASSIVE QUIESCENT COMPACT GALAXIES AT $0.1 < z < 0.4$ IN THE COSMOS FIELD. <i>Astrophysical Journal</i> , 2015, 815, 104.	4.5	31
43	A RISE IN THE IONIZING PHOTONS IN STAR-FORMING GALAXIES OVER THE PAST 8 BILLION YEARS. <i>Astrophysical Journal Letters</i> , 2015, 812, L20.	8.3	53
44	RESOLVING THE HIGH-ENERGY UNIVERSE WITH STRONG GRAVITATIONAL LENSING: THE CASE OF PKS 1830-211. <i>Astrophysical Journal</i> , 2015, 809, 100.	4.5	22
45	STRONGLY LENSED JETS, TIME DELAYS, AND THE VALUE OF H_0 . <i>Astrophysical Journal</i> , 2015, 799, 48.	4.5	7
46	PROPER MOTIONS AND TRAJECTORIES FOR 16 EXTREME RUNAWAY AND HYPERVELOCITY STARS. <i>Astrophysical Journal</i> , 2015, 804, 49.	4.5	50
47	QUIESCENT COMPACT GALAXIES AT INTERMEDIATE REDSHIFT IN THE COSMOS FIELD. II. THE FUNDAMENTAL PLANE OF MASSIVE GALAXIES. <i>Astrophysical Journal</i> , 2015, 806, 122.	4.5	18
48	QUIESCENT COMPACT GALAXIES AT INTERMEDIATE REDSHIFT IN THE COSMOS FIELD. THE NUMBER DENSITY. <i>Astrophysical Journal</i> , 2015, 806, 158.	4.5	38
49	COMPACT GROUPS OF GALAXIES WITH COMPLETE SPECTROSCOPIC REDSHIFTS IN THE LOCAL UNIVERSE. <i>Journal of the Korean Astronomical Society</i> , 2015, 48, 381-398.	1.5	19
50	SHELS: A COMPLETE GALAXY REDSHIFT SURVEY WITH $R \lesssim 20.6$. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 35.	7.7	46
51	A REDSHIFT SURVEY OF THE STRONG-LENSING CLUSTER ABELL 383. <i>Astrophysical Journal</i> , 2014, 783, 52.	4.5	35
52	PREDICTED SPACE MOTIONS FOR HYPERVELOCITY AND RUNAWAY STARS: PROPER MOTIONS AND RADIAL VELOCITIES FOR THE GAIA Era. <i>Astrophysical Journal</i> , 2014, 793, 122.	4.5	54
53	STRONG GRAVITATIONAL LENSING AS A TOOL TO INVESTIGATE THE STRUCTURE OF JETS AT HIGH ENERGIES. <i>Astrophysical Journal</i> , 2014, 788, 139.	4.5	12
54	MMT HYPERVELOCITY STAR SURVEY. III. THE COMPLETE SURVEY. <i>Astrophysical Journal</i> , 2014, 787, 89.	4.5	110

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55	THE NUMBER DENSITY OF QUIESCENT COMPACT GALAXIES AT INTERMEDIATE REDSHIFT. <i>Astrophysical Journal</i> , 2014, 793, 39.	4.5	43
56	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. <i>Astrophysical Journal</i> , 2014, 786, 93.	4.5	14
57	COMPARISON OF GALAXY CLUSTERS SELECTED BY WEAK-LENSING, OPTICAL SPECTROSCOPY, AND X-RAYS IN THE DEEP LENS SURVEY F2 FIELD. <i>Astrophysical Journal</i> , 2014, 786, 125.	4.5	8
58	THE UNIVERSAL RELATION OF GALACTIC CHEMICAL EVOLUTION: THE ORIGIN OF THE MASS-METALLICITY RELATION. <i>Astrophysical Journal</i> , 2014, 791, 130.	4.5	240
59	COMPARING DENSE GALAXY CLUSTER REDSHIFT SURVEYS WITH WEAK-LENSING MAPS. <i>Astrophysical Journal</i> , 2014, 797, 106.	4.5	27
60	Measuring Galaxy Velocity Dispersions with Hectospec. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 1362-1369.	3.1	23
61	DISCOVERY OF NINE INTERMEDIATE-REDSHIFT COMPACT QUIESCENT GALAXIES IN THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal Letters</i> , 2013, 775, L48.	8.3	17
62	THE ORIGIN OF HVS17, AN UNBOUND MAIN SEQUENCE B STAR AT 50 kpc. <i>Astrophysical Journal</i> , 2013, 775, 32.	4.5	12
63	THE CHEMICAL EVOLUTION OF STAR-FORMING GALAXIES OVER THE LAST 11 BILLION YEARS. <i>Astrophysical Journal Letters</i> , 2013, 771, L19.	8.3	139
64	MEASURING THE ULTIMATE HALO MASS OF GALAXY CLUSTERS: REDSHIFTS AND MASS PROFILES FROM THE HECTOSPEC CLUSTER SURVEY (HeCS). <i>Astrophysical Journal</i> , 2013, 767, 15.	4.5	165
65	MEASURING THE MASS DISTRIBUTION IN GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2013, 764, 58.	4.5	58
66	THE FAINT END OF THE LUMINOSITY FUNCTION AND LOW SURFACE BRIGHTNESS GALAXIES. <i>Astronomical Journal</i> , 2012, 143, 102.	4.7	26
67	BINARY DISRUPTION BY MASSIVE BLACK HOLES: HYPERVELOCITY STARS, S STARS, AND TIDAL DISRUPTION EVENTS. <i>Astrophysical Journal Letters</i> , 2012, 749, L42.	8.3	36
68	SHELS: OPTICAL SPECTRAL PROPERTIES OF <i>WISE</i> $\hat{1}/4$ m SELECTED GALAXIES. <i>Astrophysical Journal</i> , 2012, 758, 25.	4.5	24
69	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. <i>Astrophysical Journal</i> , 2012, 757, 22.	4.5	112
70	MMT HYPERVELOCITY STAR SURVEY. II. FIVE NEW UNBOUND STARS. <i>Astrophysical Journal</i> , 2012, 751, 55.	4.5	60
71	IDENTIFYING STAR STREAMS IN THE MILKY WAY HALO. <i>Astrophysical Journal</i> , 2012, 750, 81.	4.5	6
72	THE NATURE OF HYPERVELOCITY STARS AND THE TIME BETWEEN THEIR FORMATION AND EJECTION. <i>Astrophysical Journal Letters</i> , 2012, 754, L2.	8.3	27

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73	A <i>WISE</i> VIEW OF A NEARBY SUPERCLUSTER A2199. <i>Astrophysical Journal</i> , 2012, 752, 64.	4.5	20
74	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. <i>Astrophysical Journal</i> , 2012, 750, 168.	4.5	13
75	MAPPING THE UNIVERSE: THE 2010 RUSSELL LECTURE. <i>Astronomical Journal</i> , 2011, 142, 133.	4.7	21
76	SHELS: TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS. <i>Astrophysical Journal</i> , 2010, 709, 832-850.	4.5	36
77	A GALACTIC ORIGIN FOR HE 0437â€“5439, THE HYPERVELOCITY STAR NEAR THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal Letters</i> , 2010, 719, L23-L27.	8.3	34
78	THE MASS PROFILE OF THE GALAXY TO 80 kpc. <i>Astrophysical Journal Letters</i> , 2010, 720, L108-L112.	8.3	133
79	EVOLUTION OF THE H \pm LUMINOSITY FUNCTION. <i>Astrophysical Journal</i> , 2010, 708, 534-549.	4.5	35
80	TRIGGERED STAR FORMATION IN GALAXY PAIRS AT $z = 0.08-0.38$. <i>Astronomical Journal</i> , 2010, 139, 1857-1870.	4.7	68
81	VELOCITY DISPERSION PROFILE OF THE MILKY WAY HALO. <i>Astronomical Journal</i> , 2010, 139, 59-67.	4.7	77
82	Empirical Optical k -Corrections for Redshifts. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1258-1284.	3.1	19
83	MMT HYPERVELOCITY STAR SURVEY. <i>Astrophysical Journal</i> , 2009, 690, 1639-1647.	4.5	94
84	RUNAWAY STARS, HYPERVELOCITY STARS, AND RADIAL VELOCITY SURVEYS. <i>Astrophysical Journal</i> , 2009, 706, 925-940.	4.5	46
85	Spectrophotometry with Hectospec, the MMT's Fiber-Fed Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 1222-1232.	3.1	39
86	THE CENTURY SURVEY GALACTIC HALO PROJECT. III. A COMPLETE 4300 DEG ² SURVEY OF BLUE HORIZONTAL BRANCH STARS IN THE METAL-WEAK THICK DISK AND INNER HALO. <i>Astronomical Journal</i> , 2008, 135, 564-574.	4.7	45
87	Hypervelocity Stars: From the Galactic Center to the Halo. <i>Astrophysical Journal</i> , 2008, 680, 312-327.	4.5	92
88	SPECTROSCOPIC DETERMINATION OF THE LUMINOSITY FUNCTION IN THE GALAXY CLUSTERS A2199 AND VIRGO. <i>Astronomical Journal</i> , 2008, 135, 1837-1848.	4.7	76
89	Hypervelocity Stars. III. The Space Density and Ejection History of Main Sequence Stars from the Galactic Center. <i>Astrophysical Journal</i> , 2007, 671, 1708-1716.	4.5	72
90	Hypervelocity Stars. II. The Bound Population. <i>Astrophysical Journal</i> , 2007, 660, 311-318.	4.5	67

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91	A Successful Targeted Search for Hypervelocity Stars. <i>Astrophysical Journal</i> , 2006, 640, L35-L38.	4.5	83
92	Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. <i>Astrophysical Journal</i> , 2006, 653, 1194-1202.	4.5	111
93	Hypervelocity Stars. I. The Spectroscopic Survey. <i>Astrophysical Journal</i> , 2006, 647, 303-311.	4.5	102
94	CAIRNS: The Cluster and Infall Region Nearby Survey. III. Environmental Dependence of $H\alpha$ Properties of Galaxies. <i>Astronomical Journal</i> , 2005, 130, 1482-1501.	4.7	84
95	The Century Survey Galactic Halo Project. II. Global Properties and the Luminosity Function of Field Blue Horizontal Branch Stars. <i>Astronomical Journal</i> , 2005, 130, 1097-1110.	4.7	20
96	Caustic and Weak-Lensing Estimators of Galaxy Cluster Masses. <i>Astrophysical Journal</i> , 2005, 628, L97-L100.	4.5	61
97	Discovery of an Unbound Hypervelocity Star in the Milky Way Halo. <i>Astrophysical Journal</i> , 2005, 622, L33-L36.	4.5	289
98	SHELS: The Hectospec Lensing Survey. <i>Astrophysical Journal</i> , 2005, 635, L125-L128.	4.5	56
99	Hectospec, the MMT's 300 Optical Fiber-fed Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2005, 117, 1411-1434.	3.1	311
100	[Oii] as a Star Formation Rate Indicator. <i>Astronomical Journal</i> , 2004, 127, 2002-2030.	4.7	338
101	The Century Survey Galactic Halo Project. I. Stellar Spectral Analysis. <i>Astronomical Journal</i> , 2003, 126, 1362-1380.	4.7	23
102	CAIRNS: The Cluster and Infall Region Nearby Survey. I. Redshifts and Mass Profiles. <i>Astronomical Journal</i> , 2003, 126, 2152-2170.	4.7	198
103	The UZC-SSRS2 Group Catalog. <i>Astronomical Journal</i> , 2002, 123, 2976-2984.	4.7	115
104	Tidally Triggered Star Formation in Close Pairs of Galaxies. <i>Astrophysical Journal</i> , 2000, 530, 660-679.	4.5	275
105	The RASSCALs: An X-ray and Optical Study of 260 Galaxy Groups. <i>Astrophysical Journal</i> , 2000, 534, 114-132.	4.5	80
106	$Ly\alpha$ Absorption Systems and the Nearby Galaxy Distribution. <i>Astrophysical Journal</i> , 1998, 505, 506-518.	4.5	31
107	Groups of Galaxies in the Northern CfA Redshift Survey. <i>Astronomical Journal</i> , 1997, 113, 483.	4.7	90
108	Infall Regions of Galaxy Clusters. <i>Astrophysical Journal</i> , 1997, 481, 633-643.	4.5	232

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109	Compact Group selection From Redshift Surveys. <i>Astronomical Journal</i> , 1996, 112, 871.	4.7	83
110	The formation of compact groups of galaxies. I: Optical properties. <i>Astronomical Journal</i> , 1994, 107, 868.	4.7	79
111	The birthplace of compact groups of galaxies. <i>Astronomical Journal</i> , 1994, 107, 1623.	4.7	57
112	Power spectrum, correlation function, and tests for luminosity bias in the CfA redshift survey. <i>Astrophysical Journal</i> , 1994, 431, 569.	4.5	211
113	The distribution of nearby rich clusters of galaxies. <i>Astrophysical Journal</i> , 1992, 384, 404.	4.5	126
114	Clusters of Galaxies: Structure, Infall, and Large-Scale Distribution. , 1990, , 25-42.		1
115	Infall patterns around rich clusters of galaxies. <i>Astronomical Journal</i> , 1989, 98, 755.	4.7	102
116	Two Questions about the Large-Scale Distribution of Galaxies. Symposium - International Astronomical Union, 1988, 130, 255-258.	0.1	0
117	The Center for Astrophysics Redshift Survey: Luminosity Function and Two-Point Correlation Function. Symposium - International Astronomical Union, 1988, 130, 519-519.	0.1	0
118	Large-Scale Structure: The Center for Astrophysics Redshift Survey. Symposium - International Astronomical Union, 1987, 124, 301-313.	0.1	2
119	The Galaxy Distribution and the Large-Scale Structure of the Universe. <i>Annals of the New York Academy of Sciences</i> , 1986, 470, 123-135.	3.8	0
120	A model for superlight velocities of extragalactic radio sources. <i>Nature</i> , 1977, 265, 219-222.	27.8	11
121	Galaxy Correlations as a Function of Morphological Type. <i>Astrophysical Journal</i> , 1976, 208, 13.	4.5	268