

# Marc Postman

## List of Publications by Year in descending order

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115  
papers

13,419  
citations

30070

54  
h-index

27406

106  
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116  
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116  
docs citations

116  
times ranked

6471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. <i>Astrophysical Journal Letters</i> , 2022, 927, L8.	8.3	32
2	LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results. <i>Astrophysical Journal</i> , 2022, 933, 84.	4.5	2
3	Chandra Observations of Abell 2261 Brightest Cluster Galaxy, a Candidate Host to a Recoiling Black Hole. <i>Astrophysical Journal</i> , 2021, 906, 48.	4.5	7
4	New Horizons Observations of the Cosmic Optical Background. <i>Astrophysical Journal</i> , 2021, 906, 77.	4.5	42
5	The Pan-STARRS1 Database and Data Products. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 7.	7.7	348
6	The new fundamental plane dictating galaxy cluster evolution. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 271-272.	0.0	0
7	Halo Concentrations and the Fundamental Plane of Galaxy Clusters. <i>Galaxies</i> , 2019, 7, 8.	3.0	4
8	The Dust and Molecular Gas in the Brightest Cluster Galaxy in MACS 1931.8-2635. <i>Astrophysical Journal</i> , 2019, 879, 103.	4.5	26
9	Discovery of a New Fundamental Plane Dictating Galaxy Cluster Evolution from Gravitational Lensing. <i>Astrophysical Journal</i> , 2018, 857, 118.	4.5	23
10	Type Ia Supernova Distances at Redshift $> 1.5$ from the Hubble Space Telescope Multi-cycle Treasury Programs: The Early Expansion Rate. <i>Astrophysical Journal</i> , 2018, 853, 126.	4.5	168
11	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. <i>Astrophysical Journal</i> , 2018, 861, 71.	4.5	19
12	Stellar Mass and $3.4 \mu\text{m}$ M/L Ratio Evolution of Brightest Cluster Galaxies in COSMOS since $z \approx 1.0$ . <i>Astrophysical Journal</i> , 2018, 857, 122.	4.5	5
13	The Projected Dark and Baryonic Ellipsoidal Structure of 20 CLASH Galaxy Clusters*. <i>Astrophysical Journal</i> , 2018, 860, 104.	4.5	44
14	Crowded Field Galaxy Photometry: Precision Colors in the CLASH Clusters. <i>Astrophysical Journal</i> , 2017, 848, 37.	4.5	23
15	Observations of Ly $\alpha$ and O vi: Signatures of Cooling and Star Formation in a Massive Central Cluster Galaxy. <i>Astrophysical Journal</i> , 2017, 835, 216.	4.5	16
16	The Relationship Between Brightest Cluster Galaxy Star Formation and the Intracluster Medium in CLASH. <i>Astrophysical Journal</i> , 2017, 846, 103.	4.5	25
17	A Radio Relic and a Search for the Central Black Hole in the Abell 2261 Brightest Cluster Galaxy. <i>Astrophysical Journal</i> , 2017, 849, 59.	4.5	10
18	CLASH: JOINT ANALYSIS OF STRONG-LENSING, WEAK-LENSING SHEAR, AND MAGNIFICATION DATA FOR 20 GALAXY CLUSTERS*. <i>Astrophysical Journal</i> , 2016, 821, 116.	4.5	160

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19	THE DETECTION AND STATISTICS OF GIANT ARCS BEHIND CLASH CLUSTERS. <i>Astrophysical Journal</i> , 2016, 817, 85.	4.5	23
20	THE MORPHOLOGIES AND ALIGNMENTS OF GAS, MASS, AND THE CENTRAL GALAXIES OF CLASH CLUSTERS OF GALAXIES. <i>Astrophysical Journal</i> , 2016, 819, 36.	4.5	50
21	STAR FORMATION ACTIVITY IN CLASH BRIGHTEST CLUSTER GALAXIES. <i>Astrophysical Journal</i> , 2015, 813, 117.	4.5	36
22	Multiple images of a highly magnified supernova formed by an early-type cluster galaxy lens. <i>Science</i> , 2015, 347, 1123-1126.	12.6	202
23	ULTRAVIOLET MORPHOLOGY AND UNOBSCURED UV STAR FORMATION RATES OF CLASH BRIGHTEST CLUSTER GALAXIES. <i>Astrophysical Journal</i> , 2015, 805, 177.	4.5	68
24	CLASH: EXTREME EMISSION-LINE GALAXIES AND THEIR IMPLICATION ON SELECTION OF HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2015, 801, 12.	4.5	10
25	<i>HUBBLE SPACE TELESCOPE</i> COMBINED STRONG AND WEAK LENSING ANALYSIS OF THE CLASH SAMPLE: MASS AND MAGNIFICATION MODELS AND SYSTEMATIC UNCERTAINTIES. <i>Astrophysical Journal</i> , 2015, 801, 44.	4.5	207
26	A new paradigm for space astrophysics mission design. , 2014, , .		0
27	AMTD: update of engineering specifications derived from science requirements for future LVOIR space telescopes. , 2014, , .		6
28	CLASH-X: A COMPARISON OF LENSING AND X-RAY TECHNIQUES FOR MEASURING THE MASS PROFILES OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 136.	4.5	105
29	BRIGHTEST CLUSTER GALAXIES AT THE PRESENT EPOCH. <i>Astrophysical Journal</i> , 2014, 797, 82.	4.5	116
30	CLASH: WEAK-LENSING SHEAR-AND-MAGNIFICATION ANALYSIS OF 20 GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 795, 163.	4.5	233
31	CLASH-VLT: CONSTRAINTS ON THE DARK MATTER EQUATION OF STATE FROM ACCURATE MEASUREMENTS OF GALAXY CLUSTER MASS PROFILES. <i>Astrophysical Journal Letters</i> , 2014, 783, L11.	8.3	23
32	THREE GRAVITATIONALLY LENSED SUPERNOVAE BEHIND CLASH GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 786, 9.	4.5	45
33	CLASH: COMPLETE LENSING ANALYSIS OF THE LARGEST COSMIC LENS MACS J0717.5+3745 AND SURROUNDING STRUCTURES. <i>Astrophysical Journal</i> , 2013, 777, 43.	4.5	79
34	GALAXY HALO TRUNCATION AND GIANT ARC SURFACE BRIGHTNESS RECONSTRUCTION IN THE CLUSTER MACSJ1206.2-0847. <i>Astrophysical Journal</i> , 2013, 774, 124.	4.5	24
35	Modular assembled space telescope. <i>Optical Engineering</i> , 2013, 52, 091802.	1.0	22
36	THE CONTRIBUTION OF HALOS WITH DIFFERENT MASS RATIOS TO THE OVERALL GROWTH OF CLUSTER-SIZED HALOS. <i>Astrophysical Journal</i> , 2013, 776, 91.	4.5	33

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37	CLASH: THREE STRONGLY LENSED IMAGES OF A CANDIDATE $z \sim 11$ GALAXY. <i>Astrophysical Journal</i> , 2013, 762, 32.	4.5	301
38	Improving dark energy constraints with high-redshift Type Ia supernovae from CANDELS and CLASH. <i>Astronomy and Astrophysics</i> , 2013, 557, A64.	5.1	9
39	Advanced Technology Large-Aperture Space Telescope: science drivers and technology developments. <i>Optical Engineering</i> , 2012, 51, 011007.	1.0	59
40	THE CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW. <i>Astrophysical Journal</i> , Supplement Series, 2012, 199, 25.	7.7	659
41	PROFILES OF DARK MATTER VELOCITY ANISOTROPY IN SIMULATED CLUSTERS. <i>Astrophysical Journal</i> , 2012, 752, 141.	4.5	47
42	A BRIGHTEST CLUSTER GALAXY WITH AN EXTREMELY LARGE FLAT CORE. <i>Astrophysical Journal</i> , 2012, 756, 159.	4.5	62
43	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56.	4.5	101
44	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. <i>Astrophysical Journal</i> , 2012, 757, 22.	4.5	112
45	A magnified young galaxy from about 500 million years after the Big Bang. <i>Nature</i> , 2012, 489, 406-408.	27.8	273
46	EARLY-TYPE GALAXIES AT $z \sim 1.3$ . I. THE LYNX SUPERCLUSTER: CLUSTER AND GROUPS AT $z \sim 1.3$ . MORPHOLOGY AND COLOR-MAGNITUDE RELATION. <i>Astrophysical Journal</i> , 2012, 754, 141.	4.5	52
47	A PRECISE CLUSTER MASS PROFILE AVERAGED FROM THE HIGHEST-QUALITY LENSING DATA. <i>Astrophysical Journal</i> , 2011, 738, 41.	4.5	112
48	ATLAST-8 Mission concept study for 8-meter monolithic UV/optical space telescope. , 2010, , .		8
49	EVOLUTION OF THE COLOR-MAGNITUDE RELATION IN GALAXY CLUSTERS AT $z \sim 1$ FROM THE ACS INTERMEDIATE REDSHIFT CLUSTER SURVEY. <i>Astrophysical Journal</i> , 2009, 690, 42-68.	4.5	163
50	Design for an 8-meter monolithic UV/OIR space telescope. <i>Proceedings of SPIE</i> , 2009, , .	0.8	8
51	Science with an 8-meter to 16-meter optical/UV space telescope. <i>Proceedings of SPIE</i> , 2008, , .	0.8	17
52	The Masses of Nuclear Black Holes in Luminous Elliptical Galaxies and Implications for the Space Density of the Most Massive Black Holes. <i>Astrophysical Journal</i> , 2007, 662, 808-834.	4.5	345
53	A Keck Spectroscopic Survey of MS 1054 $\hat{a}$ 03 ( $z = 0.83$ ): Forming the Red Sequence. <i>Astrophysical Journal</i> , 2007, 661, 750-767.	4.5	66
54	The Spiderweb Galaxy: A Forming Massive Cluster Galaxy at $z \sim 2$ . <i>Astrophysical Journal</i> , 2006, 650, L29-L32.	4.5	115

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55	Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \approx 1.26$ . <i>Astrophysical Journal</i> , 2006, 644, 759-768.	4.5	87
56	Strong-Lensing Analysis of A1689 from Deep Advanced Camera Images. <i>Astrophysical Journal</i> , 2005, 621, 53-88.	4.5	287
57	Luminosity Functions of the Galaxy Cluster MS 1054-0321 at $z = 0.83$ based on ACS Photometry. <i>Astrophysical Journal</i> , 2005, 621, 188-200.	4.5	39
58	The C4 Clustering Algorithm: Clusters of Galaxies in the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 130, 968-1001.	4.7	254
59	A large population of Lyman-break galaxies in a protocluster at redshift $z \approx 4.1$ . <i>Nature</i> , 2004, 427, 47-50.	27.8	106
60	The Evolution of Early-Type Field Galaxies Selected from a NICMOS Map of the Hubble Deep Field North. <i>Astronomical Journal</i> , 2004, 127, 131-155.	4.7	44
61	The First Detailed X-Ray Observations of High-Redshift, Optically Selected Clusters: XMM-Newton Results for Cl 1324+3011 at $z = 0.76$ and Cl 1604+4304 at $z = 0.90$ . <i>Astrophysical Journal</i> , 2004, 601, L9-L12.	4.5	51
62	The Evolutionary Status of Clusters of Galaxies at $Z \approx 1$ . <i>Astrophysics and Space Science Library</i> , 2004, , 459-476.	2.7	8
63	Overview of the Advanced Camera for Surveys on-orbit performance. , 2003, , .		107
64	Advanced Camera for Surveys Photometry of the Cluster RDCS 1252.9-2927: The Color-Magnitude Relation at $z = 1.24$ . <i>Astrophysical Journal</i> , 2003, 596, L143-L146.	4.5	195
65	A Merged Catalog of Clusters of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , Supplement Series, 2003, 148, 243-274.	7.7	119
66	Discovery of Two Distant Type Ia Supernovae in the Hubble Deep Field-North with the Advanced Camera for Surveys. <i>Astrophysical Journal</i> , 2003, 589, 693-703.	4.5	52
67	Ani-Band-selected Sample of Radio-emitting Quasars: Evidence for a Large Population of Red Quasars. <i>Astronomical Journal</i> , 2003, 126, 706-722.	4.7	56
68	The Cluster Mass Function from Early Sloan Digital Sky Survey Data: Cosmological Implications. <i>Astrophysical Journal</i> , 2003, 585, 182-190.	4.5	121
69	[ITAL]Hubble Space Telescope[ITAL] Imaging of Brightest Cluster Galaxies. <i>Astronomical Journal</i> , 2003, 125, 478-505.	4.7	128
70	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	4.7	2,003
71	The KPNO/Deeprange Distant Cluster Survey. I. The Catalog and the Space Density of Intermediate-Redshift Clusters. <i>Astrophysical Journal</i> , 2002, 579, 93-126.	4.5	38
72	The Angular Correlation Function of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 579, 42-47.	4.5	77

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73	Galaxies with a Central Minimum in Stellar Luminosity Density. <i>Astronomical Journal</i> , 2002, 124, 1975-1987.	4.7	56
74	Detecting Clusters of Galaxies in the Sloan Digital Sky Survey. I. Monte Carlo Comparison of Cluster Detection Algorithms. <i>Astronomical Journal</i> , 2002, 123, 20-36.	4.7	111
75	Distant Cluster Hunting. II. A Comparison of X-Ray and Optical Cluster Detection Techniques and Catalogs from the ROSAT Optical X-Ray Survey. <i>Astrophysical Journal</i> , 2002, 569, 689-719.	4.5	58
76	Evidence for Cluster Evolution from an Improved Measurement of the Velocity Dispersion and Morphological Fraction of Cluster 1324+3011 at $z=0.76$ . <i>Astronomical Journal</i> , 2002, 124, 1905-1917.	4.7	56
77	Distant Cluster Hunting: A Comparison Between the Optical and X-Ray Luminosity Functions from an Optical/X-Ray Joint Survey. <i>Astrophysical Journal</i> , 2001, 552, L93-L96.	4.5	47
78	Spectroscopic Target Selection for the Sloan Digital Sky Survey: The Luminous Red Galaxy Sample. <i>Astronomical Journal</i> , 2001, 122, 2267-2280.	4.7	856
79	Observational Constraints on Higher Order Clustering up to $z \approx 1$ . <i>Astrophysical Journal</i> , 2001, 548, 114-126.	4.5	20
80	The Infrared Surface Brightness Fluctuation Hubble Constant. <i>Astrophysical Journal</i> , 2001, 550, 503-521.	4.5	52
81	The Luminosity Function of Galaxies in SDSS Commissioning Data. <i>Astronomical Journal</i> , 2001, 121, 2358-2380.	4.7	545
82	A Study of Nine High-Redshift Clusters of Galaxies. IV. Photometry and Spectra of Clusters 1324+3011 and 1604+4321. <i>Astronomical Journal</i> , 2001, 122, 1125-1150.	4.7	80
83	A Definitive Optical Detection of a Supercluster at $z \approx 0.91$ . <i>Astrophysical Journal</i> , 2000, 531, L5-L8.	4.5	58
84	The Hubble Deep Field South: Formulation of the Observing Campaign. <i>Astronomical Journal</i> , 2000, 120, 2735-2746.	4.7	111
85	Evidence for X-Ray Emission from a Large-Scale Filament of Galaxies?. <i>Astrophysical Journal</i> , 2000, 528, L73-L76.	4.5	59
86	Shellflow. I. The Convergence of the Velocity Field at 6000 Kilometers per Second. <i>Astrophysical Journal</i> , 2000, 544, 636-640.	4.5	52
87	Advanced camera for the Hubble Space Telescope. , 1998, , .		167
88	A Study of Nine High-Redshift Clusters of Galaxies. I. The Survey. <i>Astronomical Journal</i> , 1998, 116, 549-559.	4.7	61
89	A Study of Nine High-Redshift Clusters of Galaxies. II. Photometry, Spectra, and Ages of Clusters 0023+0423 and 1604+4304. <i>Astronomical Journal</i> , 1998, 116, 560-583.	4.7	89
90	A Study of Nine High-Redshift Clusters of Galaxies. III. Hubble Space Telescope Morphology of Clusters 0023+0423 and 1604+4304. <i>Astronomical Journal</i> , 1998, 116, 584-622.	4.7	66

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91	A Group-Group Merger at a Redshift of $[z] = 0.84$ ?. <i>Astronomical Journal</i> , 1998, 116, 643-656.	4.7	25
92	The Far-Field Hubble Constant. <i>Astrophysical Journal</i> , 1998, 499, 577-588.	4.5	37
93	Clustering at High Redshift: Precise Constraints from a Deep, Wide-Area Survey. <i>Astrophysical Journal</i> , 1998, 506, 33-44.	4.5	91
94	Calibration of the Surface Brightness Fluctuation Method for use with the Hubble Space Telescope.. <i>Astronomical Journal</i> , 1997, 114, 626.	4.7	52
95	The Lumpy Cluster Abell 1185. <i>Astronomical Journal</i> , 1996, 111, 64.	4.7	12
96	The Palomar Distant Clusters Survey. I. The Cluster Catalog. <i>Astronomical Journal</i> , 1996, 111, 615.	4.7	269
97	The Palomar Distant Cluster Survey. II. The Cluster Profiles. <i>Astronomical Journal</i> , 1996, 111, 1795.	4.7	14
98	The Hubble Deep Field: Observations, Data Reduction, and Galaxy Photometry. <i>Astronomical Journal</i> , 1996, 112, 1335.	4.7	881
99	Brightest Cluster Galaxy Profile Shapes. <i>Astrophysical Journal</i> , 1996, 465, 534.	4.5	160
100	Brightest cluster galaxies as standard candles. <i>Astrophysical Journal</i> , 1995, 440, 28.	4.5	203
101	Can standard cosmological models explain the observed Abell cluster bulk flow?. <i>Astrophysical Journal</i> , 1995, 444, 507.	4.5	33
102	The genus curve of the Abell clusters. <i>Astrophysical Journal</i> , 1994, 421, 1.	4.5	30
103	The motion of the Local Group with respect to the 15,000 kilometer per second Abell cluster inertial frame. <i>Astrophysical Journal</i> , 1994, 425, 418.	4.5	212
104	The Motion of the Local Group with Respect to the 15,000 km/s Abell Cluster Frame. <i>Annals of the New York Academy of Sciences</i> , 1993, 688, 531-533.	3.8	0
105	The shapes of brightest cluster galaxies. <i>Astrophysical Journal</i> , 1993, 410, 515.	4.5	14
106	Optical photometry of the emission-line M star PC 0025 + 0447. <i>Publications of the Astronomical Society of the Pacific</i> , 1993, 105, 821.	3.1	2
107	The distribution of nearby rich clusters of galaxies. <i>Astrophysical Journal</i> , 1992, 384, 404.	4.5	126
108	The infrared properties of quasars and radio galaxies - Testing the unification schemes. <i>Astrophysical Journal</i> , 1992, 391, 39.	4.5	42

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109	The Hubble flow from brightest cluster galaxies. <i>Astrophysical Journal</i> , 1992, 400, L47.	4.5	47
110	The Spatial Distribution of the Nearby Rich Clusters of Galaxies. <i>Annals of the New York Academy of Sciences</i> , 1991, 647, 796-814.	3.8	0
111	IRAS galaxies and the large-scale structure in the CfA slice. <i>Astrophysical Journal</i> , 1990, 359, 280.	4.5	18
112	A deep Abell cluster redshift survey. <i>Astrophysical Journal</i> , 1990, 365, 66.	4.5	77
113	Is there structure on the scale of 300/h MPC ?. <i>Astrophysical Journal</i> , 1989, 346, 588.	4.5	10
114	Distribution of Galaxies, Clusters, and Superclusters. , 0, , .		2
115	A high-definition space telescope for the 2030s. <i>SPIE Newsroom</i> , 0, , .	0.1	0