Elinor Medezinski

List of Publications by Year
in descending order

55 papers	**5,031** citations	117625 **34** h-index	168389 **53** g-index
55 all docs	**55** docs citations	**55** times ranked	**3668** citing authors

#	Article	IF	Citations
1	Sustained formation of progenitor globular clusters in a giant elliptical galaxy. Nature Astronomy, 2020, 4, 153-158.	10.1	9
2	The richness-to-mass relation of CAMIRA galaxy clusters from weak-lensing magnification in the Subaru Hyper Suprime-Cam survey. Monthly Notices of the Royal Astronomical Society, 2020, 495, 428-450.	4.4	22
3	Active gas features in three HSC-SSP CAMIRA clusters revealed by high angular resolution analysis of MUSTANG-2 SZE and XXL X-ray observations. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1701-1732.	4.4	11
4	Weak-lensing Analysis of X-Ray-selected XXL Galaxy Groups and Clusters with Subaru HSC Data. Astrophysical Journal, 2020, 890, 148.	4.5	45
5	Halo concentration, galaxy red fraction, and gas properties of optically defined merging clusters. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	22
6	On the Assembly Bias of Cool Core Clusters Traced by $H\alpha$ Nebulae. Astrophysical Journal, 2019, 882, 166.	4.5	1
7	Weak-lensing Mass Calibration of ACTPol Sunyaev–Zel'dovich Clusters with the Hyper Suprime-Cam Survey. Astrophysical Journal, 2019, 875, 63.	4.5	72
8	Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	413
9	The new fundamental plane dictating galaxy cluster evolution. Proceedings of the International Astronomical Union, 2019, 15, 271-272.	0.0	0
10	Halo Concentrations and the Fundamental Plane of Galaxy Clusters. Galaxies, 2019, 7, 8.	3.0	4
11	A large sample of shear-selected clusters from the Hyper Suprime-Cam Subaru Strategic Program S16A Wide field mass maps. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	30
12	Discovery of a New Fundamental Plane Dictating Galaxy Cluster Evolution from Gravitational Lensing. Astrophysical Journal, 2018, 857, 118.	4.5	23
13	The Hyper Suprime-Cam SSP Survey: Overview and survey design. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	566
14	Planck Sunyaev–Zel'dovich cluster mass calibration using Hyper Suprime-Cam weak lensing. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	33
15	The first-year shear catalog of the Subaru Hyper Suprime-Cam Subaru Strategic Program Survey. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	174
16	Source selection for cluster weak lensing measurements in the Hyper Suprime-Cam survey. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	35
17	Multiwavelength study of X-ray luminous clusters in the Hyper Suprime-Cam Subaru Strategic Program S16A field. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	7
18	The Projected Dark and Baryonic Ellipsoidal Structure of 20 CLASH Galaxy Clusters*. Astrophysical Journal, 2018, 860, 104.	4.5	44

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19	Unveiling the Dynamical State of Massive Clusters through the ICL Fraction. Astrophysical Journal, 2018, 857, 79.	4.5	41
20	The bright-star masks for the HSC-SSP survey. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	93
21	First data release of the Hyper Suprime-Cam Subaru Strategic Program. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	327
22	An optically-selected cluster catalog at redshift 0.1Â&lt;Â<i>z</i>Â&lt;Â1.1 from the Hyper Suprime-Cam Subaru Strategic Program S16A data. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	85
23	The Double Galaxy Cluster A2465. III. X-Ray and Weak-lensing Observations^{âˆ—}. Astrophysical Journal, 2017, 844, 67.	4.5	4
24	VLA Radio Observations of the HST Frontier Fields Cluster Abell 2744: The Discovery of New Radio Relics. Astrophysical Journal, 2017, 845, 81.	4.5	41
25	Testing the Large-scale Environments of Cool-core and Non-cool-core Clusters with Clustering Bias. Astrophysical Journal, 2017, 836, 54.	4.5	5
26	CLASH-VLT: DISSECTING THE FRONTIER FIELDS GALAXY CLUSTER MACS J0416.1-2403 WITH âˆ¼4800 SPECTRA OF MEMBER GALAXIES. Astrophysical Journal, Supplement Series, 2016, 224, 33.	7.7	82
27	FRONTIER FIELDS: SUBARU WEAK-LENSING ANALYSIS OF THE MERGING GALAXY CLUSTER A2744*. Astrophysical Journal, 2016, 817, 24.	4.5	54
28	ILLUMINATING A DARK LENS: A TYPE Ia SUPERNOVA MAGNIFIED BY THE FRONTIER FIELDS GALAXY CLUSTER ABELL 2744. Astrophysical Journal, 2015, 811, 70.	4.5	67
29	CLASH: EXTREME EMISSION-LINE GALAXIES AND THEIR IMPLICATION ON SELECTION OF HIGH-REDSHIFT GALAXIES. Astrophysical Journal, 2015, 801, 12.	4.5	10
30	THREE-DIMENSIONAL MULTI-PROBE ANALYSIS OF THE GALAXY CLUSTER A1689. Astrophysical Journal, 2015, 806, 207.	4.5	56
31	CLASH-X: A COMPARISON OF LENSING AND X-RAY TECHNIQUES FOR MEASURING THE MASS PROFILES OF GALAXY CLUSTERS. Astrophysical Journal, 2014, 794, 136.	4.5	105
32	CLASH: WEAK-LENSING SHEAR-AND-MAGNIFICATION ANALYSIS OF 20 GALAXY CLUSTERS. Astrophysical Journal, 2014, 795, 163.	4.5	233
33	CLASH-VLT: CONSTRAINTS ON THE DARK MATTER EQUATION OF STATE FROM ACCURATE MEASUREMENTS OF GALAXY CLUSTER MASS PROFILES. Astrophysical Journal Letters, 2014, 783, L11.	8.3	23
34	THREE GRAVITATIONALLY LENSED SUPERNOVAE BEHIND CLASH GALAXY CLUSTERS. Astrophysical Journal, 2014, 786, 9.	4.5	45
35	CLASH: COMPLETE LENSING ANALYSIS OF THE LARGEST COSMIC LENS MACS J0717.5+3745 AND SURROUNDING STRUCTURES. Astrophysical Journal, 2013, 777, 43.	4.5	79
36	GALAXY HALO TRUNCATION AND GIANT ARC SURFACE BRIGHTNESS RECONSTRUCTION IN THE CLUSTER MACSJ1206.2-0847. Astrophysical Journal, 2013, 774, 124.	4.5	24

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37	THE CONTRIBUTION OF HALOS WITH DIFFERENT MASS RATIOS TO THE OVERALL GROWTH OF CLUSTER-SIZED HALOS. Astrophysical Journal, 2013, 776, 91.	4.5	33
38	THE CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW. Astrophysical Journal, Supplement Series, 2012, 199, 25.	7.7	659
39	A BRIGHTEST CLUSTER GALAXY WITH AN EXTREMELY LARGE FLAT CORE. Astrophysical Journal, 2012, 756, 159.	4.5	62
40	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. Astrophysical Journal, 2012, 755, 56.	4.5	101
41	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. Astrophysical Journal, 2012, 757, 22.	4.5	112
42	A magnified young galaxy from about 500 million years after the Big Bang. Nature, 2012, 489, 406-408.	27.8	273
43	Cluster-cluster lensing and the case of Abell 383. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1621-1629.	4.4	10
44	CLUSTER MASS PROFILES FROM A BAYESIAN ANALYSIS OF WEAK-LENSING DISTORTION AND MAGNIFICATION MEASUREMENTS: APPLICATIONS TO SUBARU DATA. Astrophysical Journal, 2011, 729, 127.	4.5	125
45	A PRECISE CLUSTER MASS PROFILE AVERAGED FROM THE HIGHEST-QUALITY LENSING DATA. Astrophysical Journal, 2011, 738, 41.	4.5	112
46	A weak lensing detection of the cosmological distance-redshift relation behind three massive clustersˉ.... Monthly Notices of the Royal Astronomical Society, 2011, 414, 1840-1850.	4.4	27
47	Full lensing analysis of Abell 1703: comparison of independent lens-modelling techniques. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1916-1927.	4.4	43
48	Detailed cluster mass and light profiles of A1703, A370 and RXJ1347ˉ11 from deep Subaru imaging. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	49
49	THE MASS STRUCTURE OF THE GALAXY CLUSTER Cl0024+1654 FROM A FULL LENSING ANALYSIS OF JOINT SUBARU AND ACS/NIC3 OBSERVATIONS. Astrophysical Journal, 2010, 714, 1470-1496.	4.5	74
50	MASS AND HOT BARYONS IN MASSIVE GALAXY CLUSTERS FROM SUBARU WEAK-LENSING AND AMiBA SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS. Astrophysical Journal, 2009, 694, 1643-1663.	4.5	99
51	New multiply-lensed galaxies identified in ACS/NIC3 observations of Cl0024+1654 using an improved mass model. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1985-2002.	4.4	162
52	USING WEAK-LENSING DILUTION TO MEASURE LIGHT PROPERTIES OF A1689. Modern Physics Letters A, 2008, 23, 1521-1528.	1.2	1
53	Comparison of Cluster Lensing Profiles with Î›CDM Predictions. Astrophysical Journal, 2008, 685, L9-L12.	4.5	127
54	Using Weakâ€Lensing Dilution to Improve Measurements of the Luminous and Dark Matter in A1689. Astrophysical Journal, 2007, 663, 717-733.	4.5	62

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55	Free-form GraleÂreconstruction of Abell 2744: robustness of uncertainties against changes in lensing data. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	15