

# Alfredo Zenteno

## List of Publications by Year in descending order

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56  
papers

7,489  
citations

101543

36  
h-index

161849

54  
g-index

56  
all docs

56  
docs citations

56  
times ranked

6715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.	4.7	825
2	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , 2018, 98, .	4.7	751
3	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. <i>Astrophysical Journal Letters</i> , 2017, 848, L17.	8.3	656
4	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2015, 216, 27.	7.7	464
5	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal</i> , Supplement Series, 2018, 239, 18.	7.7	455
6	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2017, 848, L16.	8.3	392
7	The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry. <i>Astrophysical Journal</i> , 2007, 666, 674-693.	4.5	289
8	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 722, 1180-1196.	4.5	285
9	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 127.	4.5	240
10	GALAXY CLUSTERS DISCOVERED WITH A SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2009, 701, 32-41.	4.5	228
11	A SUNYAEV-ZEL'DOVICH-SELECTED SAMPLE OF THE MOST MASSIVE GALAXY CLUSTERS IN THE 2500 deg <sup>2</sup> SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2011, 738, 139.	4.5	213
12	Cluster Cosmology Constraints from the 2500 deg <sup>2</sup> SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	4.5	211
13	COSMOLOGICAL CONSTRAINTS FROM SUNYAEV-ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178 deg <sup>2</sup> OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 147.	4.5	206
14	THE BLANCO COSMOLOGY SURVEY: DATA ACQUISITION, PROCESSING, CALIBRATION, QUALITY DIAGNOSTICS, AND DATA RELEASE. <i>Astrophysical Journal</i> , 2012, 757, 83.	4.5	192
15	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	4.5	179
16	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. <i>Nature</i> , 2012, 488, 349-352.	27.8	154
17	THE GROWTH OF COOL CORES AND EVOLUTION OF COOLING PROPERTIES IN A SAMPLE OF 83 GALAXY CLUSTERS AT 0.3 <math>z</math> <math>< i>z</i></math> 1.2 SELECTED FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 774, 23.	4.5	144
18	MASS CALIBRATION AND COSMOLOGICAL ANALYSIS OF THE SPT-SZ GALAXY CLUSTER SAMPLE USING VELOCITY DISPERSION AND X-RAY MEASUREMENTS. <i>Astrophysical Journal</i> , 2015, 799, 214.	4.5	120

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19	X-RAY CAVITIES IN A SAMPLE OF 83 SPT-SELECTED CLUSTERS OF GALAXIES: TRACING THE EVOLUTION OF AGN FEEDBACK IN CLUSTERS OF GALAXIES OUT TO $z = 1.2$ . <i>Astrophysical Journal</i> , 2015, 805, 35.	4.5	115
20	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 792, 45.	4.5	103
21	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 67.	4.5	90
22	REDSHIFTS, SAMPLE PURITY, AND BCG POSITIONS FOR THE GALAXY CLUSTER CATALOG FROM THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 22.	4.5	89
23	Constraints on the richness-mass relation and the optical-SZE positional offset distribution for SZE-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2305-2319.	4.4	87
24	Cluster mass calibration at high redshift: HST weak lensing analysis of 13 distant galaxy clusters from the South Pole Telescope Sunyaev-Zel'dovich Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2635-2678.	4.4	77
25	STAR-FORMING BRIGHTEST CLUSTER GALAXIES AT $0.25 < z < 1.25$ : A TRANSITIONING FUEL SUPPLY. <i>Astrophysical Journal</i> , 2016, 817, 86.	4.5	70
26	OPTICAL REDSHIFT AND RICHNESS ESTIMATES FOR GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-Zel'dovich EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 723, 1736-1747.	4.5	59
27	SPT-CL J0205-5829: A $z = 1.32$ EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 93.	4.5	54
28	Baryon content of massive galaxy clusters at $0.57 < z < 1.33$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 258-275.	4.4	54
29	Two Ultra-faint Milky Way Stellar Systems Discovered in Early Data from the DECam Local Volume Exploration Survey. <i>Astrophysical Journal</i> , 2020, 890, 136.	4.5	49
30	The DECam Local Volume Exploration Survey: Overview and First Data Release. <i>Astrophysical Journal</i> , Supplement Series, 2021, 256, 2.	7.7	47
31	The Abell 3391/95 galaxy cluster system. <i>Astronomy and Astrophysics</i> , 2021, 647, A2.	5.1	43
32	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. <i>Astrophysical Journal</i> , 2012, 758, 68.	4.5	42
33	SPT-CL J2040-4451: AN SZ-SELECTED GALAXY CLUSTER AT $z = 1.478$ WITH SIGNIFICANT ONGOING STAR FORMATION. <i>Astrophysical Journal</i> , 2014, 794, 12.	4.5	42
34	The XMM-BCS galaxy cluster survey. <i>Astronomy and Astrophysics</i> , 2012, 537, A39.	5.1	41
35	Weak lensing analysis of RXC J2248.7-4431. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1455-1467.	4.4	39
36	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 3.	7.7	36

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37	A MULTIBAND STUDY OF THE GALAXY POPULATIONS OF THE FIRST FOUR SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2011, 734, 3.	4.5	32
38	Galaxy Populations in Massive Galaxy Clusters to $z = 1.1$ : Color Distribution, Concentration, Halo Occupation Number and Red Sequence Fraction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 830-843.	4.4	30
39	HIGH-REDSHIFT COOL-CORE GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 183.	4.5	29
40	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED <i>PLANCK</i> EARLY SUNYAEV-ZEL'DOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. <i>Astrophysical Journal Letters</i> , 2011, 735, L36.	8.3	28
41	Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , 2020, 901, 83.	4.5	28
42	Galaxy populations in the 26 most massive galaxy clusters in the South Pole Telescope SPT-SZ survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 830-843.	4.4	26
43	Galaxy kinematics and mass calibration in massive SZE-selected galaxy clusters to $z = 1.3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1043-1061.	4.4	25
44	A joint X-ray-optical analysis of the dynamical state of 288 massive galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 705-725.	4.4	24
45	Eridanus IV: an Ultra-faint Dwarf Galaxy Candidate Discovered in the DECam Local Volume Exploration Survey. <i>Astrophysical Journal Letters</i> , 2021, 920, L44.	8.3	24
46	The Not So Simple Globular Cluster $\omega$ Cen. I. Spatial Distribution of the Multiple Stellar Populations. <i>Astronomical Journal</i> , 2017, 153, 175.	4.7	17
47	Optical SZE scaling relations for DES optically selected clusters within the SPT-SZ Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3347-3360.	4.4	17
48	The Circumstellar Environments of Double-peaked, Calcium-strong Transients 2021gno and 2021inl. <i>Astrophysical Journal</i> , 2022, 932, 58.	4.5	15
49	Variable stars in Local Group galaxies V. The fast and early evolution of the low-mass Eridanus II dSph galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1064-1083.	4.4	11
50	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , 2022, 929, 115.	4.5	9
51	The Not So Simple Stellar System $\omega$ Cen. II. Evidence in Support of a Merging Scenario. <i>Astrophysical Journal</i> , 2020, 891, 167.	4.5	8
52	SN2017jgh: a high-cadence complete shock cooling light curve of a SN IIb with the <i>Kepler</i> telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3125-3138.	4.4	7
53	Searching for a Hypervelocity White Dwarf SN Ia Companion: A Proper-motion Survey of SN 1006. <i>Astrophysical Journal Letters</i> , 2022, 933, L31.	8.3	7
54	Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to $z < 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1705-1723.	4.4	6

#	ARTICLE	IF	CITATIONS
55	PanSTARRS1 Observations of the Kepler/K2 Campaign 16 and 17 Fields. Research Notes of the AAS, 2018, 2, 178.	0.7	4
56	SPT-SZ: a Sunyaev-Zeldovich survey for galaxy clusters. , 2009, , .		1