

# Ann I Zab Ludoff

## List of Publications by Year in descending order

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116  
papers

7,509  
citations

41344

49  
h-index

53230

85  
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121  
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121  
docs citations

121  
times ranked

4537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Galaxy Star Formation as a Function of Environment in the Early Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2003, 584, 210-227.	4.5	651
2	The Properties of Poor Groups of Galaxies. I. Spectroscopic Survey and Results. <i>Astrophysical Journal</i> , 1998, 496, 39-72.	4.5	398
3	The Environment of "E+A" Galaxies. <i>Astrophysical Journal</i> , 1996, 466, 104.	4.5	332
4	A Census of Baryons in Galaxy Clusters and Groups. <i>Astrophysical Journal</i> , 2007, 666, 147-155.	4.5	306
5	Intracluster Light in Nearby Galaxy Clusters: Relationship to the Halos of Brightest Cluster Galaxies. <i>Astrophysical Journal</i> , 2005, 618, 195-213.	4.5	272
6	GALAXY CLUSTER BARYON FRACTIONS REVISITED. <i>Astrophysical Journal</i> , 2013, 778, 14.	4.5	229
7	The Properties of Poor Groups of Galaxies. II. X-ray and Optical Comparisons. <i>Astrophysical Journal</i> , 1998, 496, 73-92.	4.5	221
8	The kinematics of Abell clusters. <i>Astrophysical Journal</i> , Supplement Series, 1990, 74, 1.	7.7	158
9	TIDAL DISRUPTION EVENTS PREFER UNUSUAL HOST GALAXIES. <i>Astrophysical Journal Letters</i> , 2016, 818, L21.	8.3	147
10	The Isolated Elliptical NGC 1132: Evidence for a Merged Group of Galaxies?. <i>Astrophysical Journal</i> , 1999, 514, 133-137.	4.5	123
11	Discovery of an Enormous Ly $\alpha$ Nebula in a Massive Galaxy Overdensity at $z \approx 2.3$ . <i>Astrophysical Journal</i> , 2017, 837, 71.	4.5	111
12	The role of environment in the mass-metallicity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 245-256.	4.4	107
13	The Detailed Evolution of E+A Galaxies into Early Types. <i>Astrophysical Journal</i> , 2008, 688, 945-971.	4.5	107
14	DISCOVERY OF LARGE MOLECULAR GAS RESERVOIRS IN POST-STARBURST GALAXIES. <i>Astrophysical Journal</i> , 2015, 801, 1.	4.5	104
15	Determination of the Dark Matter Profile of A2199 from Integrated Starlight. <i>Astrophysical Journal</i> , 2002, 576, 720-737.	4.5	101
16	The Fundamental Manifold of Spheroids. <i>Astrophysical Journal</i> , 2006, 638, 725-738.	4.5	100
17	The Las Campanas/AAT Rich Cluster Survey - II. The environmental dependence of galaxy colours in clusters at $z \approx 0.1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 331, 333-350.	4.4	99
18	The Properties of Poor Groups of Galaxies. III. The Galaxy Luminosity Function. <i>Astrophysical Journal</i> , 2000, 539, 136-148.	4.5	99

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19	The Optical and Near-Infrared Morphologies of Isolated Early-Type Galaxies. <i>Astronomical Journal</i> , 2001, 121, 808-819.	4.7	99
20	EXTENDED Ly $\alpha$ NEBULAE AT $z \approx 2.3$ : AN EXTREMELY RARE AND STRONGLY CLUSTERED POPULATION?. <i>Astrophysical Journal</i> , 2009, 693, 1579-1587.	4.5	98
21	E+A Galaxies and the Formation of Early-Type Galaxies at $z \approx 0$ . <i>Astrophysical Journal</i> , 2004, 607, 258-273.		96
22	A Spectroscopic Study of the Environments of Gravitational Lens Galaxies. <i>Astrophysical Journal</i> , 2006, 641, 169-189.	4.5	95
23	The Environmental Dependence of the Infrared Luminosity and Stellar Mass Functions. <i>Astrophysical Journal</i> , 2001, 557, 117-125.	4.5	92
24	The Importance of Lens Galaxy Environments. <i>Astrophysical Journal</i> , 2004, 612, 660-678.	4.5	89
25	Measuring the Diffuse Optical Light in Abell 1651. <i>Astrophysical Journal</i> , 2000, 536, 561-570.	4.5	89
26	A new hybrid framework to efficiently model lines of sight to gravitational lenses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 3631-3642.	4.4	85
27	Mapping the Most Massive Overdensities through Hydrogen (MAMMOTH). II. Discovery of the Extremely Massive Overdensity BOSS1441 at $z = 2.32$ . <i>Astrophysical Journal</i> , 2017, 839, 131.	4.5	84
28	The Galaxy Populations of X-ray-detected, Poor Groups. <i>Astrophysical Journal</i> , 2001, 549, 172-191.	4.5	84
29	Galaxy Luminosity Functions from Deep Spectroscopic Samples of Rich Clusters. <i>Astrophysical Journal</i> , 2003, 591, 764-783.	4.5	82
30	Can Early-Type Galaxies Evolve from the Fading of the Disks of Late-Type Galaxies?. <i>Astrophysical Journal</i> , 2004, 616, 192-198.	4.5	79
31	The Spatial Distribution and Kinematics of Stellar Populations in E+A Galaxies. <i>Astrophysical Journal</i> , 2001, 557, 150-164.	4.5	75
32	The Las Campanas/Anglo-Australian Telescope Rich Cluster Survey III. Spectroscopic studies of X-ray bright galaxy clusters at $z \sim 0.1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 645-666.	4.4	75
33	The kinematics of dense clusters of galaxies. I - The data. <i>Astronomical Journal</i> , 1993, 106, 1273.	4.7	73
34	STRONG FIELD-TO-FIELD VARIATION OF Ly $\alpha$ NEBULAE POPULATIONS AT $z \approx 2.3$ . <i>Astrophysical Journal</i> , 2010, 719, 1654-1671.	4.5	71
35	The Discovery of a Gravitationally Lensed Quasar at $z = 6.51$ . <i>Astrophysical Journal Letters</i> , 2019, 870, L11.	8.3	71
36	The Host Galaxies of Tidal Disruption Events. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	68

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37	Quantifying Environmental and Line-of-sight Effects in Models of Strong Gravitational Lens Systems. <i>Astrophysical Journal</i> , 2017, 836, 141.	4.5	66
38	Probing Galaxy Formation with HeiiCooling Lines. <i>Astrophysical Journal</i> , 2006, 640, 539-552.	4.5	65
39	THE EFFECT OF ENVIRONMENT ON SHEAR IN STRONG GRAVITATIONAL LENSES. <i>Astrophysical Journal</i> , 2011, 726, 84.	4.5	65
40	Lost but not forgotten: intracluster light in galaxy groups and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3009-3031.	4.4	64
41	On the origin of the intracluster light in massive galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1162-1177.	4.4	63
42	A Dependence of the Tidal Disruption Event Rate on Global Stellar Surface Mass Density and Stellar Velocity Dispersion. <i>Astrophysical Journal</i> , 2018, 853, 39.	4.5	62
43	Hierarchical Evolution in Poor Groups of Galaxies. <i>Astrophysical Journal</i> , 1998, 498, L5-L8.	4.5	62
44	THE INFRARED LUMINOSITY FUNCTIONS OF RICH CLUSTERS. <i>Astrophysical Journal</i> , 2009, 693, 1840-1850.	4.5	59
45	Clocking the Evolution of Post-starburst Galaxies: Methods and First Results. <i>Astrophysical Journal</i> , 2018, 862, 2.	4.5	57
46	Disentangling Morphology, Star Formation, Stellar Mass, and Environment in Galaxy Evolution. <i>Astrophysical Journal</i> , 2005, 621, 201-214.	4.5	52
47	First Results from a Photometric Survey of Strong Gravitational Lens Environments. <i>Astrophysical Journal</i> , 2006, 646, 85-106.	4.5	52
48	Toward Equations of Galactic Structure. <i>Astrophysical Journal</i> , 2008, 682, 68-80.	4.5	52
49	Photometric and spectroscopic observations of SN 1990E in NGC 1035 - Observational constraints for models of type II supernovae. <i>Astronomical Journal</i> , 1993, 105, 2236.	4.7	51
50	Probing the cool interstellar and circumgalactic gas of three massive lensing galaxies at $z=0.4-0.7$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2423-2442.	4.4	48
51	The Post-starburst Evolution of Tidal Disruption Event Host Galaxies. <i>Astrophysical Journal</i> , 2017, 835, 176.	4.5	48
52	After the Fall: The Dust and Gas in E+A Post-starburst Galaxies. <i>Astrophysical Journal</i> , 2018, 855, 51.	4.5	48
53	A Search for H [CSC]i/[CSC] in E+A Galaxies. <i>Astronomical Journal</i> , 2001, 121, 1965-1973.	4.7	48
54	A Hubble Space Telescope WFPC2 Investigation of the Nuclear Morphology in the Toomre Sequence of Merging Galaxies. <i>Astronomical Journal</i> , 2003, 126, 2717-2739.	4.7	45

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55	Far-infrared Properties of the Bright, Gravitationally Lensed Quasar J0439+1634 at $z=6.5$ . <i>Astrophysical Journal</i> , 2019, 880, 153.	4.5	42
56	What Fraction of Gravitational Lens Galaxies Lie in Groups?. <i>Astrophysical Journal</i> , 2000, 545, 129-140.	4.5	42
57	Intracluster Stars and the Chemical Enrichment of the Intracluster Medium. <i>Astrophysical Journal</i> , 2004, 613, L93-L96.	4.5	41
58	E+A Galaxies with Blue Cores: Active Galaxies in Transition. <i>Astrophysical Journal</i> , 2006, 646, L33-L36.	4.5	41
59	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgo's Third Observing Run. <i>Astrophysical Journal Letters</i> , 2019, 881, L26.	8.3	41
60	The baryon budget on the galaxy group/cluster boundary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3288-3304.	4.4	38
61	The growth of brightest cluster galaxies and intracluster light over the past 10 billion years. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 3751-3759.	4.4	38
62	Continuum-fitting the X-Ray Spectra of Tidal Disruption Events. <i>Astrophysical Journal</i> , 2020, 897, 80.	4.5	38
63	The kinematics of dense clusters of galaxies. II - The distribution of velocity dispersions. <i>Astronomical Journal</i> , 1993, 106, 1301.	4.7	38
64	Testing the Universality of the $(U-V)$ Color-Magnitude Relations for Nearby Clusters of Galaxies. <i>Astrophysical Journal</i> , 2005, 619, 193-217.	4.5	37
65	OPTIMAL MASS CONFIGURATIONS FOR LENSING HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2012, 752, 104.	4.5	36
66	THE PROPERTIES OF Ly $\alpha$ NEBULAE: GAS KINEMATICS FROM NONRESONANT LINES. <i>Astrophysical Journal</i> , 2014, 793, 114.	4.5	36
67	GAS KINEMATICS IN Ly $\alpha$ NEBULAE. <i>Astrophysical Journal</i> , 2011, 735, 87.	4.5	35
68	Discovery of a Protocluster Associated with a Ly $\alpha$ Blob Pair at $z=2.3$ . <i>Astrophysical Journal</i> , 2017, 845, 172.	4.5	35
69	THE ENRICHMENT OF THE INTRACLUSTER MEDIUM. <i>Astrophysical Journal</i> , 2009, 691, 1787-1806.	4.5	34
70	HOT AND COLD GALACTIC GAS IN THE NGC 2563 GALAXY GROUP. <i>Astrophysical Journal</i> , 2012, 747, 31.	4.5	34
71	HIERARCHICAL STRUCTURE FORMATION AND MODES OF STAR FORMATION IN HICKSON COMPACT GROUP 31. <i>Astronomical Journal</i> , 2010, 139, 545-564.	4.7	32
72	Type Ibc Supernovae May not all Come from Massive Stars. <i>Astrophysical Journal Letters</i> , 2019, 871, L9.	8.3	32

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73	PROBING POPULATION III STARS IN GALAXY IOK-1 AT $z = 6.96$ THROUGH He II EMISSION. <i>Astrophysical Journal Letters</i> , 2011, 736, L28.	8.3	29
74	Wide-Field Chandra X-Ray Observations of Active Galactic Nuclei in Abell 85 and Abell 754. <i>Astrophysical Journal</i> , 2008, 682, 803-820.	4.5	27
75	Local Group Dwarf Galaxies and the Fundamental Manifold of Spheroids. <i>Astrophysical Journal</i> , 2006, 642, L37-L40.	4.5	26
76	Why Post-starburst Galaxies Are Now Quiescent. <i>Astrophysical Journal</i> , 2018, 861, 123.	4.5	25
77	The Evolution of the Interstellar Medium in Post-starburst Galaxies. <i>Astrophysical Journal</i> , 2019, 879, 131.	4.5	25
78	Distinguishing Tidal Disruption Events from Impostors. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	25
79	Morphology and kinematics in clusters of galaxies. <i>Astronomical Journal</i> , 1993, 106, 1314.	4.7	25
80	THE OPTICAL GREEN VALLEY VERSUS MID-INFRARED CANYON IN COMPACT GROUPS. <i>Astrophysical Journal</i> , 2013, 775, 129.	4.5	24
81	A SPECTROSCOPIC SURVEY OF THE FIELDS OF 28 STRONG GRAVITATIONAL LENSES. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 29.	7.7	24
82	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): Observations and Analysis from Advanced LIGO/Virgo's Third Observing Run. <i>Astrophysical Journal</i> , 2021, 912, 128.	4.5	24
83	The Structure of Tidal Disruption Event Host Galaxies on Scales of Tens to Thousands of Parsecs. <i>Astrophysical Journal</i> , 2020, 891, 93.	4.5	23
84	STAR CLUSTERS, GALAXIES, AND THE FUNDAMENTAL MANIFOLD. <i>Astrophysical Journal</i> , 2011, 727, 116.	4.5	22
85	Mass, Spin, and Ultralight Boson Constraints from the Intermediate-mass Black Hole in the Tidal Disruption Event 3XMM J215022.4-055108. <i>Astrophysical Journal</i> , 2021, 918, 46.	4.5	22
86	A Technique for Detecting Structure in Cluster Velocity Distributions. <i>Astrophysical Journal</i> , 1993, 419, 47.	4.5	22
87	A NEW APPROACH TO IDENTIFYING THE MOST POWERFUL GRAVITATIONAL LENSING TELESCOPES. <i>Astrophysical Journal</i> , 2013, 769, 52.	4.5	21
88	INTRAGROUP AND GALAXY-LINKED DIFFUSE X-RAY EMISSION IN HICKSON COMPACT GROUPS. <i>Astrophysical Journal</i> , 2013, 763, 121.	4.5	21
89	MAPPING COMPOUND COSMIC TELESCOPES CONTAINING MULTIPLE PROJECTED CLUSTER-SCALE HALOS. <i>Astrophysical Journal</i> , 2014, 781, 2.	4.5	20
90	A SPECTROSCOPIC SURVEY OF THE FIELDS OF 28 STRONG GRAVITATIONAL LENSES: THE GROUP CATALOG. <i>Astrophysical Journal</i> , 2016, 833, 194.	4.5	20

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91	The Toomre Sequence Revisited with HST/NICMOS: Nuclear Brightness Profiles and Colors of Interacting and Merging Galaxies. <i>Astronomical Journal</i> , 2007, 134, 2124-2147.	4.7	19
92	Identifying Tidal Disruption Events via Prior Photometric Selection of Their Preferred Hosts. <i>Astrophysical Journal</i> , 2018, 868, 99.	4.5	18
93	After The Fall: Resolving the Molecular Gas in Post-starburst Galaxies. <i>Astrophysical Journal</i> , 2022, 929, 154.	4.5	18
94	Discovery of a possible splashback feature in the intracluster light of MACS J1149.5+2223. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 963-970.	4.4	17
95	ALMA Observations of the Sub-kpc Structure of the Host Galaxy of a $z = 6.5$ Lensed Quasar: A Rotationally Supported Hyper-Starburst System at the Epoch of Reionization. <i>Astrophysical Journal</i> , 2021, 917, 99.	4.5	16
96	A study of the rich cluster of galaxies A 119. <i>Astronomical Journal</i> , 1993, 105, 788.	4.7	14
97	CONSTRAINING VERY HIGH MASS POPULATION III STARS THROUGH He II EMISSION IN GALAXY BDF-521 AT $z = 7.01$ . <i>Astrophysical Journal Letters</i> , 2015, 799, L19.	8.3	12
98	The U-band Galaxy Luminosity Function of Nearby Clusters. <i>Astrophysical Journal</i> , 2004, 611, 795-810.	4.5	11
99	A Spectroscopic Survey of the Fields of 28 Strong Gravitational Lenses: Implications for $H_{\alpha}$ . <i>Astrophysical Journal</i> , 2017, 850, 94.	4.5	10
100	MAPPING THE POLARIZATION OF THE RADIO-LOUD Ly $\alpha$ NEBULA B3 J2330+3927*. <i>Astrophysical Journal</i> , 2017, 834, 182.	4.5	8
101	HST Detection of Extended Neutral Hydrogen in a Massive Elliptical at $z = 0.4$ . <i>Astrophysical Journal Letters</i> , 2017, 846, L29.	8.3	8
102	What Makes Ly $\alpha$ Nebulae Glow? Mapping the Polarization of LABd05. <i>Astrophysical Journal</i> , 2020, 894, 33.	4.5	8
103	Deep XMM-Newton Observations of an X-ray Weak Broad Absorption Line Quasar at $z = 6.5$ . <i>Astrophysical Journal Letters</i> , 2022, 924, L25.	8.3	8
104	GLOBAL PROPERTIES OF NEUTRAL HYDROGEN IN COMPACT GROUPS. <i>Astronomical Journal</i> , 2016, 151, 30.	4.7	7
105	Joint Strong and Weak Lensing Analysis of the Massive Cluster Field J0850+3604. <i>Astrophysical Journal</i> , 2017, 844, 127.	4.5	7
106	Evidence for Late-time Feedback from the Discovery of Multiphase Gas in a Massive Elliptical at $z = 0.4$ . <i>Astrophysical Journal Letters</i> , 2020, 904, L10.	8.3	7
107	A Library of Synthetic X-Ray Spectra for Fitting Tidal Disruption Events. <i>Astrophysical Journal</i> , 2022, 933, 31.	4.5	7
108	TESTING DISTANCE ESTIMATORS WITH THE FUNDAMENTAL MANIFOLD. <i>Astrophysical Journal</i> , 2012, 748, 15.	4.5	6

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109	CHARACTERIZING THE BEST COSMIC TELESCOPES WITH THE MILLENNIUM SIMULATIONS. <i>Astrophysical Journal</i> , 2014, 785, 59.	4.5	6
110	The kinematics of dense clusters of galaxies. 3: Comparison with cosmological models. <i>Astronomical Journal</i> , 1994, 107, 1929.	4.7	6
111	Linking Extragalactic Transients and Their Host Galaxy Properties: Transient Sample, Multiwavelength Host Identification, and Database Construction. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 13.	7.7	6
112	The Las Campanas/AAT Rich Cluster Survey. <i>Publications of the Astronomical Society of Australia</i> , 1998, 15, 273-279.	3.4	5
113	The Next Generation Virgo Cluster Survey. XVII. A Search for Planetary Nebulae in Virgo Cluster Globular Clusters. <i>Astrophysical Journal</i> , 2019, 885, 145.	4.5	3
114	Fresh Insights on the Kinematics of M49's Globular Cluster System with MMT/Hectospec Spectroscopy. <i>Astrophysical Journal</i> , 2021, 915, 83.	4.5	2
115	Detecting Exoplanets Using Eclipsing Binaries as Natural Starshades. <i>Astronomical Journal</i> , 2020, 160, 131.	4.7	1
116	The Kinematics of Abell Clusters: Erratum. <i>Astrophysical Journal, Supplement Series</i> , 1991, 75, 629.	7.7	0