

Elena Pierpaoli

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,871
citations

361413

20
h-index

289244

40
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48
all docs

48
docs citations

48
times ranked

2003
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining Cluster Virialization Mechanism and Cosmology Using Thermal-SZ-selected Clusters from Future CMB Surveys. <i>Astrophysical Journal</i> , 2022, 926, 172.	4.5	16
2	LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results. <i>Astrophysical Journal</i> , 2022, 933, 84.	4.5	2
3	Footprints of Doppler and aberration effects in cosmic microwave background experiments: statistical and cosmological implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1708-1724.	4.4	5
4	Pairwise Transverse Velocity Measurement with the Rees-Sciama Effect. <i>Astrophysical Journal Letters</i> , 2019, 873, L23.	8.3	19
5	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
6	Thermodynamic profiles of galaxy clusters from a joint X-ray/SZ analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 749-792.	4.4	17
7	Beyond the Boost: Measuring the Intrinsic Dipole of the Cosmic Microwave Background Using the Spectral Distortions of the Monopole and Quadrupole. <i>Physical Review Letters</i> , 2017, 119, 221102.	7.8	13
8	Generalized Doppler and aberration kernel for frequency-dependent cosmological observables. <i>Physical Review D</i> , 2017, 96, .	4.7	7
9	Dark matter implications of the WMAP-Planck Haze. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 060-060.	5.4	13
10	A COMPARISON AND JOINT ANALYSIS OF SUNYAEV-ZEL'DOVICH EFFECT MEASUREMENTS FROM PLANCK AND BOLOCAM FOR A SET OF 47 MASSIVE GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2016, 832, 26.	4.5	35
11	Kinetic Sunyaev-Zeldovich effect in an anisotropic CMB model: Measuring low multipoles of the CMB at higher redshifts using intensity and polarization spectral distortions. <i>Physical Review D</i> , 2016, 94, .	4.7	27
12	Constraints on neutrino mass from Sunyaev-Zeldovich cluster surveys. <i>Physical Review D</i> , 2013, 87, .	4.7	6
13	Constraints on non-Gaussianity from Sunyaev-Zeldovich cluster surveys. <i>Physical Review D</i> , 2012, 86, .	4.7	5
14	A MULTI-WAVELENGTH STUDY OF THE SUNYAEV-ZEL'DOVICH EFFECT IN THE TRIPLE-MERGER CLUSTER MACS J0717.5+3745 WITH MUSTANG AND BOLOCAM. <i>Astrophysical Journal</i> , 2012, 761, 47.	4.5	59
15	X-ray, lensing and Sunyaev-Zel'dovich triaxial analysis of Abell 1835 out to R200. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 2069-2082.	4.4	73
16	Constraints on modified gravity from Sunyaev-Zeldovich cluster surveys. <i>Physical Review D</i> , 2012, 85, .	4.7	17
17	Merger-induced scatter and bias in the cluster mass-Sunyaev-Zeldovich effect scaling relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1766-1779.	4.4	41
18	The Coupling of Topology and Inflation in Noncommutative Cosmology. <i>Communications in Mathematical Physics</i> , 2012, 309, 341-369.	2.2	22

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19	IMPACTS OF DARK STARS ON REIONIZATION AND SIGNATURES IN THE COSMIC MICROWAVE BACKGROUND. <i>Astrophysical Journal</i> , 2011, 742, 129.	4.5	17
20	The Spectral Action and Cosmic Topology. <i>Communications in Mathematical Physics</i> , 2011, 304, 125-174.	2.2	30
21	CLUSTERS OF GALAXIES. , 2011, , 89-109.		0
22	Optical design of the EPIC-IM crossed Dragone telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	8
23	Neutrino mass from cosmological 21 cm observations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009, 188, 31-33.	0.4	5
24	Probing Inflation with CMB Polarization. , 2009, , .		252
25	Reionization Science with the Cosmic Microwave Background. , 2009, , .		3
26	Point source contamination in CMB non-Gaussianity analyses. <i>Physical Review D</i> , 2008, 77, .	4.7	23
27	Constraining massive neutrinos using cosmological 21Åcm observations. <i>Physical Review D</i> , 2008, 78, .	4.7	50
28	Optical Cluster Finding with an Adaptive Matchedâ€Filter Technique: Algorithm and Comparison with Simulations. <i>Astrophysical Journal</i> , 2008, 676, 868-879.	4.5	37
29	Effects of dark matter decay and annihilation on the high-redshift 21Åcm background. <i>Physical Review D</i> , 2006, 74, .	4.7	97
30	Constraining isocurvature initial conditions with WMAP 3-year data. <i>Physical Review D</i> , 2006, 74, .	4.7	93
31	Cosmological signatures of interacting neutrinos. <i>Physical Review D</i> , 2006, 73, .	4.7	93
32	New Cosmic Microwave Background Constraint to Primordial Gravitational Waves. <i>Physical Review Letters</i> , 2006, 97, 021301.	7.8	170
33	Probing the Largest Scale Structure in the Universe with Polarization Map of Galaxy Clusters. <i>Physical Review Letters</i> , 2005, 95, 101302.	7.8	15
34	Decaying Particles and the Reionization History of the Universe. <i>Physical Review Letters</i> , 2004, 92, 031301.	7.8	66
35	On determining the cluster abundance normalization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 342, 163-175.	4.4	120
36	Constraints on the cosmic neutrino background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 342, L63-L66.	4.4	61

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37	Measurement of the Sunyaev-Zel'dovich increment in massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1179-1188.	4.4	13
38	Point Sources in the Wilkinson Microwave Anisotropy Probe Sky Maps. Astrophysical Journal, 2003, 589, 58-66.	4.5	15
39	Power-spectrum normalization from the local abundance of rich clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2001, 325, 77-88.	4.4	165
40	Boomerang Returns Unexpectedly. Astrophysical Journal, 2000, 545, 1-5.	4.5	54
41	STILL FLAT AFTER ALL THESE YEARS!. Modern Physics Letters A, 2000, 15, 1357-1362.	1.2	6
42	Microwave background anisotropies and large scale structure constraints on isocurvature modes in a two-field model of inflation. Journal of High Energy Physics, 1999, 1999, 015-015.	4.7	33
43	CMB and large-scale structure as a test of mixed models with $n > 1$. Monthly Notices of the Royal Astronomical Society, 1999, 305, 425-436.	4.4	7
44	Formation of cosmic structures in a light gravitino-dominated universe. Physical Review D, 1998, 57, 2089-2100.	4.7	35
45	Large-Scale Structure in Mixed Dark Matter Models with a Nonthermal Volatile Component. Astrophysical Journal, 1996, 470, 92.	4.5	6
46	Effects of boosting on extragalactic components: Methods and statistical studies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1