

Aldo Treves

List of Publications by Year in descending order

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68
papers

3,958
citations

147801

31
h-index

114465

63
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68
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68
docs citations

68
times ranked

3411
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	12.6	654
2	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , 2016, 72, 76-94.	4.3	305
3	The Hubble Space Telescope Survey of BL Lacertae Objects. II. Host Galaxies. <i>Astrophysical Journal</i> , 2000, 532, 816-829.	4.5	213
4	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012, 35, 435-448.	4.3	183
5	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016, 72, 61-75.	4.3	150
6	Imaging Redshifts of BL Lacertae Objects. <i>Astrophysical Journal</i> , 2005, 635, 173-179.	4.5	146
7	The Hubble Space Telescope Survey of BL Lacertae Objects. I. Surface Brightness Profiles, Magnitudes, and Radii of Host Galaxies. <i>Astrophysical Journal</i> , 2000, 532, 740-815.	4.5	134
8	The Redshift of the BL Lac Object TXS 0506+056. <i>Astrophysical Journal Letters</i> , 2018, 854, L32.	8.3	116
9	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 008-008.	5.4	105
10	An optical view of BL Lacertae objects. <i>Astronomy and Astrophysics Review</i> , 2014, 22, 1.	25.5	97
11	QUASI-PERIODICITIES AT YEAR-LIKE TIMESCALES IN BLAZARS. <i>Astronomical Journal</i> , 2016, 151, 54.	4.7	86
12	Phase-resolved energy spectra of the Crab pulsar in the range of 50–400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	5.1	84
13	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
14	ESO Very Large Telescope Optical Spectroscopy of BL Lacertae Objects. II. New Redshifts, Featureless Objects, and Classification Assessments. <i>Astronomical Journal</i> , 2006, 132, 1-19.	4.7	79
15	VERY HIGH ENERGY γ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z = 0.940$ BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015, 815, L23.	8.3	78
16	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. <i>Astrophysical Journal</i> , 2011, 742, 43.	4.5	69
17	On the Redshift of TeV BL Lac Objects. <i>Astrophysical Journal</i> , 2017, 837, 144.	4.5	68
18	The Black Hole Mass of BL Lacertae Objects from the Stellar Velocity Dispersion of the Host Galaxy. <i>Astrophysical Journal</i> , 2002, 569, L35-L38.	4.5	68

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19	ESO Very Large Telescope Optical Spectroscopy of BL Lacertae Objects. I. New Redshifts. <i>Astronomical Journal</i> , 2005, 129, 559-566.	4.7	65
20	QUASI-PERIODICITIES OF THE BL LACERTAE OBJECT PKS 2155+304. <i>Astrophysical Journal Letters</i> , 2014, 793, L1.	8.3	57
21	Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 595, A98.	5.1	56
22	Gamma-ray and optical oscillations of 0716+714, MRK 421, and BL Lacertae. <i>Astronomy and Astrophysics</i> , 2017, 600, A132.	5.1	50
23	FIRST <i>NuSTAR</i> OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN. <i>Astrophysical Journal</i> , 2015, 812, 65.	4.5	49
24	Quasi-periodicities of BL Lacertae objects. <i>Astronomy and Astrophysics</i> , 2018, 615, A118.	5.1	46
25	Gamma-ray quasi-periodicities of blazars. A cautious approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1270-1274.	4.4	44
26	GAMMA-RAY AND OPTICAL OSCILLATIONS IN PKS 0537+441. <i>Astrophysical Journal</i> , 2016, 820, 20.	4.5	42
27	The Hubble Space Telescope Survey of BL Lacertae Objects: Gravitational Lens Candidates and Other Unusual Sources. <i>Astrophysical Journal</i> , 1999, 521, 134-144.	4.5	38
28	Optical spectroscopy of BL Lacertae objects. <i>Astronomy and Astrophysics</i> , 2006, 457, 35-43.	5.1	38
29	PG 1553 + 11 - A bright optically selected BL Lacertae object. <i>Publications of the Astronomical Society of the Pacific</i> , 1990, 102, 1120.	3.1	37
30	The Cosmic Evolution of Quasar Host Galaxies. <i>Astrophysical Journal</i> , 2004, 604, 495-507.	4.5	36
31	The Nuclear to Host Galaxy Relation of High Redshift Quasars. <i>Astrophysical Journal</i> , 2007, 660, 1039-1050.	4.5	33
32	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. <i>Astronomy and Astrophysics</i> , 2018, 619, A45.	5.1	32
33	Pulsar timing constraints on the Fermi massive black hole binary blazar population. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 481, L74-L78.	3.3	31
34	Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2014, 565, L12.	5.1	30
35	Optical Spectroscopic Survey of a Sample of Unidentified Fermi Objects. <i>Astrophysical Journal</i> , 2017, 851, 135.	4.5	30
36	Spectroscopy of BL Lacertae objects of extraordinary luminosity. <i>Astronomy and Astrophysics</i> , 2014, 570, A126.	5.1	29

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37	A SEARCH FOR SPECTRAL HYSTERESIS AND ENERGY-DEPENDENT TIME LAGS FROM X-RAY AND TeV GAMMA-RAY OBSERVATIONS OF Mrk 421. <i>Astrophysical Journal</i> , 2017, 834, 2.	4.5	29
38	Spectroscopy of 10 $\hat{3}$ -Ray BL Lac Objects at High Redshift. <i>Astrophysical Journal</i> , 2017, 844, 120.	4.5	28
39	VLT adaptive optics imaging of QSO host galaxies and their close environment at $z \sim 2.5$: Results from a pilot program. <i>Astronomy and Astrophysics</i> , 2005, 434, 469-473.	5.1	27
40	EUROPEAN SOUTHERN OBSERVATORY VERY LARGE TELESCOPE OPTICAL SPECTROSCOPY OF BL LACERTAE OBJECTS. III. AN EXTENSION OF THE SAMPLE. <i>Astronomical Journal</i> , 2009, 137, 337-346.	4.7	27
41	WHAT IS THE REDSHIFT OF THE GAMMA-RAY BL LAC SOURCE S4 0954+65?. <i>Astronomical Journal</i> , 2015, 150, 181.	4.7	27
42	ESO VERY LARGE TELESCOPE OPTICAL SPECTROSCOPY OF BL LACERTAE OBJECTS. IV. NEW SPECTRA AND PROPERTIES OF THE FULL SAMPLE. <i>Astronomical Journal</i> , 2013, 145, 114.	4.7	26
43	Near-Infrared Adaptive Optics Imaging of High-Redshift Quasars. <i>Astrophysical Journal</i> , 2008, 673, 694-702.	4.5	25
44	Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC. <i>Astrophysical Journal</i> , Supplement Series, 2017, 232, 9.	7.7	25
45	Optical Spectroscopic Survey of a Sample of Unidentified Fermi Objects: II. <i>Astrophysical Journal</i> , 2019, 871, 162.	4.5	25
46	THE PROPERTIES OF QUASAR HOSTS AT THE PEAK OF THE QUASAR ACTIVITY. <i>Astrophysical Journal</i> , 2009, 703, 1663-1671.	4.5	24
47	SPECTROSCOPY OF OPTICALLY SELECTED BL LAC OBJECTS AND THEIR $\hat{3}$ -RAY EMISSION. <i>Astronomical Journal</i> , 2013, 146, 163.	4.7	23
48	On the redshift of the bright BL Lacertae object PKS 0048-097. <i>Astronomy and Astrophysics</i> , 2012, 543, A116.	5.1	21
49	High-redshift BL Lac Objects: Spectroscopy of Candidates. <i>Astrophysical Journal</i> , 2018, 861, 130.	4.5	21
50	Looking at Blazar Light-curve Periodicities with Gaussian Processes. <i>Astrophysical Journal</i> , 2020, 895, 122.	4.5	21
51	Optical spectroscopy of BL Lac objects: TeV candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 94-108.	4.4	20
52	The jet of the BL Lacertae object PKS 0521-365 in the near-IR: MAD adaptive optics observations. <i>Astronomy and Astrophysics</i> , 2009, 501, 907-914.	5.1	19
53	On the nebulosity surrounding the BL Lacertae object PKS 2155 - 304. <i>Astrophysical Journal</i> , 1991, 380, L67.	4.5	16
54	The spectra of IceCube neutrino (SIN) candidate sources â€“ II. Source characterization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2671-2688.	4.4	13

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55	The host galaxy of the BL Lacertae object 1ES 0647+250 and its imaging redshift. <i>Astronomy and Astrophysics</i> , 2011, 534, L2.	5.1	12
56	On the redshift of the very high-energy gamma-ray BL Lac object S2 0109+22. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2836-2839.	4.4	10
57	The redshift and the host galaxy of the neutrino candidate 4FGLJ0955.1+3551 (3HSPJ095507.9+355101). <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 495, L108-L111.	3.3	10
58	ZBL Lac: A Spectroscopic Database of BL Lacertae Objects. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 37.	7.7	10
59	On the lensed blazar B0218+357. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2814-2821.	4.4	8
60	The jet of the BL Lacertae object PKS 2201+044: MAD near-IR adaptive optics observations and comparison with optical, radio and X-ray data. <i>Astronomy and Astrophysics</i> , 2011, 528, A34.	5.1	6
61	ON THE RADIO AND NEAR-INFRARED JET OF PKS 2155+304 AND ITS CLOSE ENVIRONMENT. <i>Astronomical Journal</i> , 2013, 145, 73.	4.7	6
62	The spectra of IceCube neutrino candidate sources I. Optical spectroscopy of blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3338-3353.	4.4	5
63	Predictions of TeV emission for a set of hard BL Lac objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 6128-6141.	4.4	5
64	An Optical View of Extragalactic γ -Ray Emitters. <i>Frontiers in Astronomy and Space Sciences</i> , 2017, 4, .	2.8	3
65	Detecting the periodicity of highly irregularly sampled light curves with Gaussian processes: the case of SDSS J025214.67+002813.7. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2841-2849.	4.4	3
66	MAD ADAPTIVE OPTICS IMAGING OF HIGH-LUMINOSITY QUASARS: A PILOT PROJECT. <i>Astronomical Journal</i> , 2016, 152, 38.	4.7	2
67	Quasi-Periodicities at Year Time Scales in Blazars. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 180-183.	0.0	1
68	The circum-galactic medium of quasars: transverse and line-of-sight absorptions. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	1.4	0