

Andrzej Niedzwiecki

List of Publications by Year in descending order

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114
papers

5,103
citations

109321

35
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95266

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115
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115
docs citations

115
times ranked

3961
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Model of X-Ray Emission from Hot Accretion Flows. <i>Astrophysical Journal</i> , 2022, 931, 167.	4.5	1
2	Does the Disk in the Hard State of XTE J1752â€“223 Extend to the Innermost Stable Circular Orbit?. <i>Astrophysical Journal</i> , 2021, 906, 69.	4.5	15
3	Accretion Geometry in the Hard State of the Black Hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal Letters</i> , 2021, 909, L9.	8.3	40
4	Impact of the Returning Radiation on the Analysis of the Reflection Spectra of Black Holes. <i>Astrophysical Journal</i> , 2021, 910, 49.	4.5	18
5	Relativistic Reflection in NGC 4151. <i>Astrophysical Journal</i> , 2021, 909, 205.	4.5	6
6	Hybrid Comptonization and Electronâ€“Positron Pair Production in the Black-hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal Letters</i> , 2021, 914, L5.	8.3	18
7	Towards Precision Measurements of Accreting Black Holes Using X-Ray Reflection Spectroscopy. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	59
8	Geometry of the X-ray source 1H 0707â€“495. <i>Astronomy and Astrophysics</i> , 2020, 641, A89.	5.1	12
9	The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. <i>Astrophysical Journal</i> , 2020, 890, 97.	4.5	21
10	Broadband characterisation of the very intense TeV flares of the blazar 1ES 1959+650 in 2016. <i>Astronomy and Astrophysics</i> , 2020, 638, A14.	5.1	23
11	MAGIC and <i>Fermi</i> -LAT gamma-ray results on unassociated HAWC sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 356-366.	4.4	7
12	Deep observations of the globular cluster M15 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2876-2885.	4.4	8
13	Measurement of the extragalactic background light using MAGIC and Fermi-LAT gamma-ray observations of blazars up to $z=1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4233-4251.	4.4	67
14	Comparison of spectral models for disc truncation in the hard state of GX 339â€“4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3845-3856.	4.4	22
15	Improved spectral models for relativistic reflection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2942-2955.	4.4	34
16	Discovery of TeV γ -ray emission from the neighbourhood of the supernova remnant G24.7+0.6 by MAGIC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4578-4585.	4.4	6
17	Indirect dark matter searches in the dwarf satellite galaxy Ursa Major II with the MAGIC telescopes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 009-009.	5.4	24
18	Gamma-ray flaring activity of NGC1275 in 2016â€“2017 measured by MAGIC. <i>Astronomy and Astrophysics</i> , 2018, 617, A91.	5.1	25

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19	The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. <i>Astrophysical Journal Letters</i> , 2018, 863, L10.	8.3	141
20	Constraining very-high-energy and optical emission from FRB 121102 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2479-2486.	4.4	33
21	Periastron Observations of TeV Gamma-Ray Emission from a Binary System with a 50-year Period. <i>Astrophysical Journal Letters</i> , 2018, 867, L19.	8.3	38
22	Detection of the blazar S4 0954+65 at very-high-energy with the MAGIC telescopes during an exceptionally high optical state. <i>Astronomy and Astrophysics</i> , 2018, 617, A30.	5.1	19
23	The broad-band properties of the intermediate synchrotron peaked BL Lac $S2\alpha0109+22$ from radio to VHE gamma-rays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 879-892.	4.4	13
24	Constraining dark matter lifetime with a deep gamma-ray survey of the Perseus galaxy cluster with MAGIC. <i>Physics of the Dark Universe</i> , 2018, 22, 38-47.	4.9	26
25	The lamppost model: effects of photon trapping, the bottom lamp, and disc truncation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 4269-4273.	4.4	13
26	Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. <i>Astronomy and Astrophysics</i> , 2018, 612, A14.	5.1	23
27	Limits on the flux of tau neutrinos from 1 PeV to 3 EeV with the MAGIC telescopes. <i>Astroparticle Physics</i> , 2018, 102, 77-88.	4.3	14
28	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	12.6	654
29	Observations of Sagittarius A* during the pericenter passage of the G2 object with MAGIC. <i>Astronomy and Astrophysics</i> , 2017, 601, A33.	5.1	17
30	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
31	Observation of the black widow B1957+20 millisecond pulsar binary system with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4608-4617.	4.4	4
32	MAGIC observations of the microquasar V404 Cygni during the 2015 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1688-1693.	4.4	5
33	First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310. <i>Astronomy and Astrophysics</i> , 2017, 603, A25.	5.1	22
34	Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 9.	7.7	25
35	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , 2017, 94, 29-41.	4.3	54
36	The X- γ -Ray Correlation in NGC 4945 and the Nature of Its γ -Ray Source. <i>Astrophysical Journal</i> , 2017, 849, 97.	4.5	23

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37	Very-high-energy gamma-ray observations of the Type Ia Supernova SN 2014J with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2017, 602, A98.	5.1	2
38	MAGIC detection of very high energy $\hat{\gamma}$ -ray emission from the low-luminosity blazar 1ES1741+196. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1534-1541.	4.4	15
39	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017, 603, A31.	5.1	49
40	Multiwavelength observations of a VHE gamma-ray flare from PKS1510+089 in 2015. <i>Astronomy and Astrophysics</i> , 2017, 603, A29.	5.1	33
41	X-ray/ $\hat{\gamma}$ -ray correlation in Seyfert 2 galaxy NGC 4945. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
42	A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2956-2962.	4.4	64
43	ON THE LAMPPOST MODEL OF ACCRETING BLACK HOLES. <i>Astrophysical Journal Letters</i> , 2016, 821, L1.	8.3	44
44	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
45	Deep observation of the NGC1275 region with MAGIC: search of diffuse $\hat{\gamma}$ -ray emission from cosmic rays in the Perseus cluster. <i>Astronomy and Astrophysics</i> , 2016, 589, A33.	5.1	40
46	Super-orbital variability of LS I +61 $\hat{\text{A}}^{\circ}$ 303 at TeV energies. <i>Astronomy and Astrophysics</i> , 2016, 591, A76.	5.1	21
47	Search for VHE gamma-ray emission from Geminga pulsar and nebula with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 591, A138.	5.1	20
48	MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. <i>Astronomy and Astrophysics</i> , 2016, 590, A24.	5.1	46
49	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. <i>Astronomy and Astrophysics</i> , 2016, 593, A91.	5.1	36
50	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
51	Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012. <i>Astronomy and Astrophysics</i> , 2016, 591, A10.	5.1	15
52	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	4.5	90
53	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3271-3281.	4.4	26
54	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

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55	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
56	Very high-energy γ -ray observations of novae and dwarf novae with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2015, 582, A67.	5.1	21
57	MAGIC observations of MWC 656, the only known Be/BH system. <i>Astronomy and Astrophysics</i> , 2015, 576, A36.	5.1	11
58	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
59	Gamma-ray activity of Seyfert galaxies and constraints on hot accretion flows. <i>Astronomy and Astrophysics</i> , 2015, 584, A20.	5.1	19
60	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015, 576, A126.	5.1	84
61	Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , 2015, 573, A50.	5.1	49
62	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
63	Monte Carlo simulations of alternative sky observation modes with the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2015, 67, 33-46.	4.3	7
64	ON THE ROLE AND ORIGIN OF NONTHERMAL ELECTRONS IN HOT ACCRETION FLOWS. <i>Astrophysical Journal</i> , 2015, 799, 217.	4.5	7
65	Discovery of very high energy γ -ray emission from the blazar 1ES 0033+595 by the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 217-225.	4.4	15
66	Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes. <i>Journal of High Energy Astrophysics</i> , 2015, 5-6, 30-38.	6.7	65
67	Probing the very high energy γ -ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4399-4410.	4.4	22
68	MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 739-750.	4.4	25
69	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , 2015, 578, A22.	5.1	92
70	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
71	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. <i>Astronomy and Astrophysics</i> , 2014, 567, A41.	5.1	33
72	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014, 567, A135.	5.1	48

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73	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C+21.35 DURING THE 2010 FLARING ACTIVITY. <i>Astrophysical Journal</i> , 2014, 786, 157.	4.5	33
74	MAGIC upper limits on the GRB 090102 afterglow. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3103-3111.	4.4	18
75	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
76	X-ray spectra of hot accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1733-1747.	4.4	13
77	Search for very high energy gamma-rays from the $z = 0.896$ quasar 4C +55.17 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 530-535.	4.4	1
78	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128
79	Contemporaneous observations of the radio galaxy NGC 1275 from radio to very high energy γ -rays. <i>Astronomy and Astrophysics</i> , 2014, 564, A5.	5.1	42
80	Discovery of very high energy gamma-ray emission from the blazar 1ES 1727+502 with the MAGIC Telescopes. <i>Astronomy and Astrophysics</i> , 2014, 563, A90.	5.1	21
81	Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. <i>Astronomy and Astrophysics</i> , 2014, 563, A91.	5.1	45
82	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. <i>Astronomy and Astrophysics</i> , 2014, 572, A121.	5.1	24
83	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014, 569, A46.	5.1	70
84	MAGIC reveals a complex morphology within the unidentified gamma-ray source HESS J1857+026. <i>Astronomy and Astrophysics</i> , 2014, 571, A96.	5.1	15
85	MAGIC search for VHE γ -ray emission from AE Aquarii in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014, 568, A109.	5.1	6
86	Discovery of TeV γ -ray emission from the pulsar wind nebula 3C 58 by MAGIC. <i>Astronomy and Astrophysics</i> , 2014, 567, L8.	5.1	27
87	Influence of the geomagnetic field on the IACT detection technique for possible sites of CTA observatories. <i>Astroparticle Physics</i> , 2013, 45, 1-12.	4.3	11
88	Gamma-ray emission from proton-proton interactions in hot accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1576-1586.	4.4	15
89	The simultaneous low state spectral energy distribution of 1ES 2344+514 from radio to very high energies. <i>Astronomy and Astrophysics</i> , 2013, 556, A67.	5.1	25
90	X-ray emission from hot accretion flows. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 266-269.	0.0	0

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91	Very high energy gamma-ray observation of the peculiar transient event Swift J1644+57 with the MAGIC telescopes and AGILE. <i>Astronomy and Astrophysics</i> , 2013, 552, A112.	5.1	5
92	Observations of the magnetars 4Uâ€‰0142+61 and 1Eâ€‰2259+586 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2013, 549, A23.	5.1	7
93	DETECTION OF VHE γ -RAYS FROM HESS J0632+057 DURING THE 2011 FEBRUARY X-RAY OUTBURST WITH THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2012, 754, L10.	8.3	22
94	Discovery of VHE γ -rays from the blazar 1ESâ€‰1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012, 544, A142.	5.1	50
95	Detection of very-high energy γ -ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, L2.	5.1	77
96	Unbeamed γ -rays from low luminosity AGNs. <i>Journal of Physics: Conference Series</i> , 2012, 355, 012035.	0.4	0
97	Phase-resolved energy spectra of the Crab pulsar in the range of 50â€‰–400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	5.1	84
98	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A13.	5.1	67
99	General relativistic model of hot accretion flows with global Compton cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1195-1206.	4.4	23
100	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A99.	5.1	64
101	High zenith angle observations of PKSâ€‰2155-304 with the MAGIC-I telescope. <i>Astronomy and Astrophysics</i> , 2012, 544, A75.	5.1	8
102	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	3.7	640
103	Monte Carlo simulations of global Compton cooling in inner regions of hot accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 170-178.	4.4	24
104	On the Light-Bending Model of X-Ray Variability of MCG â€‰6â€‰30â€‰15. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 1185-1189.	2.5	10
105	General relativistic models of the X-ray spectral variability of MCGâ€‰6-30-15. <i>Astronomy and Astrophysics</i> , 2010, 509, A22.	5.1	17
106	On the variability and spectral distortion of fluorescent iron lines from black hole accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 759-780.	4.4	33
107	Modelling the energy dependencies of high-frequency quasi-periodic oscillations in black hole X-ray binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 123-129.	4.4	4
108	Observational effects of the Kerr metric. <i>Astrophysics and Space Science</i> , 2007, 311, 137-141.	1.4	0

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109	Energy spectra of X-ray quasi-periodic oscillations in accreting black hole binaries. Proceedings of the International Astronomical Union, 2006, 2, 13-18.	0.0	0
110	Bulk motion Comptonization in black hole accretion flows. Monthly Notices of the Royal Astronomical Society, 2006, 365, 606-614.	4.4	24
111	Comptonization in the vicinity of the black hole horizon. Monthly Notices of the Royal Astronomical Society, 2005, 356, 913-924.	4.4	16
112	On the influence of relativistic effects on X-ray variability of accreting black holes. Monthly Notices of the Royal Astronomical Society, 2005, 359, 308-314.	4.4	15
113	Generation of X-Ray Emission in the Kerr Space-Time. Progress of Theoretical Physics Supplement, 2004, 155, 373-374.	0.1	0
114	Multi-Wavelength Observations of the Blazar 1ES1011+496 in Spring 2008. Monthly Notices of the Royal Astronomical Society, 0, , stw710.	4.4	4