

# R Wayne Springer

## List of Publications by Year in descending order

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108  
papers

4,775  
citations

109137

35  
h-index

95083

68  
g-index

110  
all docs

110  
docs citations

110  
times ranked

4155  
citing authors

#	ARTICLE	IF	CITATIONS
1	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. <i>Astrophysical Journal</i> , 2022, 928, 116.	1.6	6
2	Long-term Spectra of the Blazars Mrk 421 and Mrk 501 at TeV Energies Seen by HAWC. <i>Astrophysical Journal</i> , 2022, 929, 125.	1.6	8
3	Probing the Extragalactic Mid-infrared Background with HAWC. <i>Astrophysical Journal</i> , 2022, 933, 223.	1.6	0
4	A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2021, 907, 67.	1.6	13
5	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. <i>Nature Astronomy</i> , 2021, 5, 465-471.	4.2	62
6	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. <i>Astrophysical Journal</i> , 2021, 911, 143.	1.6	14
7	Evidence that Ultra-high-energy Gamma Rays Are a Universal Feature near Powerful Pulsars. <i>Astrophysical Journal Letters</i> , 2021, 911, L27.	3.0	32
8	HAWC Search for High-mass Microquasars. <i>Astrophysical Journal Letters</i> , 2021, 912, L4.	3.0	3
9	Probing the Sea of Cosmic Rays by Measuring Gamma-Ray Emission from Passive Giant Molecular Clouds with HAWC. <i>Astrophysical Journal</i> , 2021, 914, 106.	1.6	9
10	HAWC as a Ground-Based Space-Weather Observatory. <i>Solar Physics</i> , 2021, 296, 1.	1.0	2
11	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	1.6	9
12	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. <i>Astrophysical Journal Letters</i> , 2020, 896, L29.	3.0	48
13	Constraints on Lorentz Invariance Violation from HAWC Observations of Gamma Rays above 100 TeV. <i>Physical Review Letters</i> , 2020, 124, 131101.	2.9	40
14	Multiple Galactic Sources with Emission Above 56 TeV Detected by HAWC. <i>Physical Review Letters</i> , 2020, 124, 021102.	2.9	143
15	Constraints on the Emission of Gamma-Rays from M31 with HAWC. <i>Astrophysical Journal</i> , 2020, 893, 16.	1.6	1
16	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. <i>Astrophysical Journal</i> , 2020, 905, 76.	1.6	99
17	Interplanetary Magnetic Flux Rope Observed at Ground Level by HAWC. <i>Astrophysical Journal</i> , 2020, 905, 73.	1.6	2
18	HAWC and Fermi-LAT Detection of Extended Emission from the Unidentified Source 2HWC J2006+341. <i>Astrophysical Journal Letters</i> , 2020, 903, L14.	3.0	5

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19	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. <i>Astrophysical Journal</i> , 2019, 881, 134.	1.6	98
20	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.	1.6	7
21	Dark Matter Limits from Dwarf Spheroidal Galaxies with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2018, 853, 154.	1.6	69
22	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC. <i>Astrophysical Journal</i> , 2018, 865, 57.	1.6	25
23	Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. <i>Nature</i> , 2018, 562, 82-85.	13.7	75
24	Gamma Ray Showers Observed at Ground Level in Coincidence With Downward Lightning Leaders. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6864-6879.	1.2	58
25	Search for Very High-energy Gamma Rays from the Northern Fermi Bubble Region with HAWC. <i>Astrophysical Journal</i> , 2017, 842, 85.	1.6	28
26	Daily Monitoring of TeV Gamma-Ray Emission from Mrk 421, Mrk 501, and the Crab Nebula with HAWC. <i>Astrophysical Journal</i> , 2017, 841, 100.	1.6	39
27	The HAWC Real-time Flare Monitor for Rapid Detection of Transient Events. <i>Astrophysical Journal</i> , 2017, 843, 116.	1.6	16
28	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. <i>Science</i> , 2017, 358, 911-914.	6.0	303
29	Search for Very-high-energy Emission from Gamma-Ray Bursts Using the First 18 Months of Data from the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2017, 843, 88.	1.6	12
30	The 2HWC HAWC Observatory Gamma-Ray Catalog. <i>Astrophysical Journal</i> , 2017, 843, 40.	1.6	200
31	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2017, 843, 39.	1.6	159
32	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. <i>Astrophysical Journal</i> , 2016, 817, 3.	1.6	33
33	A NORTHERN SKY SURVEY FOR POINT-LIKE SOURCES OF EeV NEUTRAL PARTICLES WITH THE TELESCOPE ARRAY EXPERIMENT. <i>Astrophysical Journal</i> , 2015, 804, 133.	1.6	11
34	SEARCH FOR GAMMA-RAYS FROM THE UNUSUALLY BRIGHT GRB 130427A WITH THE HAWC GAMMA-RAY OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 800, 78.	1.6	30
35	OBSERVATION OF SMALL-SCALE ANISOTROPY IN THE ARRIVAL DIRECTION DISTRIBUTION OF TeV COSMIC RAYS WITH HAWC. <i>Astrophysical Journal</i> , 2014, 796, 108.	1.6	71
36	INDICATIONS OF INTERMEDIATE-SCALE ANISOTROPY OF COSMIC RAYS WITH ENERGY GREATER THAN 57 EeV IN THE NORTHERN SKY MEASURED WITH THE SURFACE DETECTOR OF THE TELESCOPE ARRAY EXPERIMENT. <i>Astrophysical Journal Letters</i> , 2014, 790, L21.	3.0	248

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37	CORRELATIONS OF THE ARRIVAL DIRECTIONS OF ULTRA-HIGH ENERGY COSMIC RAYS WITH EXTRAGALACTIC OBJECTS AS OBSERVED BY THE TELESCOPE ARRAY EXPERIMENT. <i>Astrophysical Journal</i> , 2013, 777, 88.	1.6	43
38	SEARCH FOR ANISOTROPY OF ULTRAHIGH ENERGY COSMIC RAYS WITH THE TELESCOPE ARRAY EXPERIMENT. <i>Astrophysical Journal</i> , 2012, 757, 26.	1.6	52
39	The Status of the Telescope Array experiment. <i>Journal of Physics: Conference Series</i> , 2011, 293, 012035.	0.3	18
40	ANALYSIS OF LARGE-SCALE ANISOTROPY OF ULTRA-HIGH ENERGY COSMIC RAYS IN HiRes DATA. <i>Astrophysical Journal Letters</i> , 2010, 713, L64-L68.	3.0	42
41	Publisher's Note: Indications of Proton-Dominated Cosmic-Ray Composition above $1.6 \text{ EeV}$ [ <i>Phys. Rev. Lett.</i> <b>104</b> (2010), 161101]. <i>Physical Review Letters</i> , 2010, 104, .	2.9	3
42	The Telescope Array experiment: Status and Prospects. , 2010, , .		7
43	Indications of Proton-Dominated Cosmic-Ray Composition above $1.6 \text{ EeV}$ . <i>Physical Review Letters</i> , 2010, 104, 161101.	2.9	221
44	Measurement of Ultra-High Energy Cosmic Rays by Telescope Array (TA). <i>Journal of the Physical Society of Japan</i> , 2009, 78, 108-113.	0.7	9
45	First Observation of the Greisen-Zatsepin-Kuzmin Suppression. <i>Physical Review Letters</i> , 2008, 100, 101101.	2.9	568
46	An Upper Limit on the Electron-Neutrino Flux from the HiRes Detector. <i>Astrophysical Journal</i> , 2008, 684, 790-793.	1.6	32
47	The Telescope Array experiment: status and prospects. <i>Journal of Physics: Conference Series</i> , 2008, 120, 062027.	0.3	2
48	Site Characteristics of Southern Utah Sites for Astronomical Observatories. , 2008, , .		0
49	Search for Cross-Correlations of Ultrahigh-Energy Cosmic Rays with BL Lacertae Objects. <i>Astrophysical Journal</i> , 2006, 636, 680-684.	1.6	73
50	Search for Point Sources of Ultra-High-Energy Cosmic Rays above $4.0 \times 10^{19} \text{ eV}$ Using a Maximum Likelihood Ratio Test. <i>Astrophysical Journal</i> , 2005, 623, 164-170.	1.6	35
51	A Study of the Composition of Ultra-High-Energy Cosmic Rays Using the High-Resolution Fly's Eye. <i>Astrophysical Journal</i> , 2005, 622, 910-926.	1.6	170
52	Study of Small-Scale Anisotropy of Ultra-High-Energy Cosmic Rays Observed in Stereo by the High Resolution Fly's Eye Detector. <i>Astrophysical Journal</i> , 2004, 610, L73-L76.	1.6	79
53	Measurement of the Flux of Ultrahigh Energy Cosmic Rays from Monocular Observations by the High Resolution Fly's Eye Experiment. <i>Physical Review Letters</i> , 2004, 92, 151101.	2.9	233
54	Determination of the production rate of $D^0$ mesons and of the ratio $V/(V+P)$ in $D^0$ decays. <i>European Physical Journal C</i> , 1998, 5, 1-17.	1.4	8

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55	A search for neutral Higgs bosons in the MSSM and models with two scalar field doublets. European Physical Journal C, 1998, 5, 19-40.	1.4	7
56	Multi-photon final states in $e+e^{-}$ collisions at $\hat{s} = 130-172$ GeV. European Physical Journal C, 1998, 1, 21-30.	1.4	5
57	Search for a massive Di-photon resonance at $\hat{s} = 91 \text{ -- } 172$ GeV. European Physical Journal C, 1998, 1, 31-43.	1.4	7
58	Search for unstable heavy and excited leptons in $e+e^{-}$ collisions at $\hat{s} = 170-172$ GeV. European Physical Journal C, 1998, 1, 45-64.	1.4	9
59	Multi-photon final states in. European Physical Journal C, 1998, 1, 21.	1.4	5
60	Search for a massive Di-photon resonance at. European Physical Journal C, 1998, 1, 31.	1.4	5
61	Search for unstable heavy and excited leptons in e. European Physical Journal C, 1998, 1, 45.	1.4	5
62	Determination of the production rate of. European Physical Journal C, 1998, 5, 01.	1.4	14
63	A search for neutral Higgs bosons in the MSSM and models with two scalar field doublets. European Physical Journal C, 1998, 5, 19.	1.4	11
64	A measurement of the charm and bottom forward-backward asymmetries using D mesons at LEP. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 379-395.	1.5	8
65	$\Sigma^{+}$ , $\Sigma^{0}$ and $\Sigma^{-}$ hyperon production in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 587-599.	1.5	20
66	QCD studies with $e+e^{-}$ annihilation data at 130 and 136 GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 191-206.	1.5	78
67	Upper limit on the $\Lambda_{c}^{1/2}$ , mass from $\Lambda_{c}^{1/2}$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 231-238.		3
68	A precise measurement of the tau polarization and its forward-backward asymmetry at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 365-375.	1.5	8
69	A measurement of the $B_d^0$ oscillation frequency using leptons and $D^{*\pm}$ mesons. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 377-388.	1.5	19
70	Multiplicity dependence of Bose-Einstein correlations in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 389-398.	1.5	24
71	Search for a narrow resonance in $Z^0$ decays into hadrons and isolated photons. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 1-10.	1.5	4
72	A study of charm hadron production in $Z^0 \rightarrow c\bar{c}$ and $Z^0 \rightarrow b\bar{b}$ decays at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 1-16.	1.5	38

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73	A study of charm hadron production in $\{m Z\} \rightarrow c$ and $\{m Z\} \rightarrow \bar{c}$ decays at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 1-16.	1.5	13
74	QCD studies with $e^+e^-$ annihilation data at 130 and 136 GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 191-206.	1.5	0
75	Upper limit on the $\tilde{L}$ , mass from $\tilde{L} \rightarrow 3h^{1/2} \tilde{L}$ , decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 231-238.		0
76	A precise measurement of the tau polarization and its forward-backward asymmetry at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 365-375.	1.5	0
77	A measurement of the B d 0 oscillation frequency using leptons and $D^* \tilde{A}^\pm$ mesons. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 377-388.	1.5	0
78	Multiplicity dependence of Bose-Einstein correlations in hadronic Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 389-398.	1.5	0
79	Measurement of the average b-baryon lifetime and the product branching ratio $\langle \text{BR}(\Lambda_b \rightarrow \Lambda \ell^+ \nu) \rangle$ . Zeitschrift für Physik C-Particles and Fields, 1995, 69, 195-214.	1.5	4
80	A comparison of b and uds quark jets to gluon jets. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 543-560.	1.5	3
81	A measurement of the forward-backward asymmetry of $e^+e^- \rightarrow b\bar{b}$ by applying a jet charge algorithm to lifetime tagged events. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 365-378.	1.5	13
82	Improved measurements of the B0 and B+ meson lifetimes. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 379-388.	1.5	17
83	The production of neutral kaons in Z0 decays and their Bose-Einstein correlations. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 389-401.	1.5	24
84	Determination of event shape distributions and $\tilde{L} \rightarrow s b$ from $Z^0 \rightarrow b\bar{b}$ events at LEP. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 31-45.	1.5	6
85	Measurements of $B^0 - \bar{B}^0$ mixing, $\langle \frac{\Gamma(Z^0 \rightarrow b\bar{b})}{\Gamma(Z^0 \rightarrow \text{hadrons})} \rangle$ and semileptonic branching ratios for b-flavoured hadrons in hadronic Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 199-216.	1.5	57
86	Measurement of the average b hadron lifetime in Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 217-228.	1.5	19
87	Measurement of $\frac{\Gamma(\{m Z\}^0 \rightarrow b\bar{b})}{\Gamma(\{m Z\}^0 \rightarrow \text{hadrons})}$ using leptons. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 523-539.	1.5	37
88	A determination of $\alpha_s(\{M_{Z^0}\})$ at LEP using resummed QCD calculations. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 1-19.	1.5	62
89	A study of differences between quark and gluon jets using vertex tagging of quark jets. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 387-403.	1.5	74
90	Studies of strong and electroweak interactions using final state photon emission in hadronic Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 405-418.	1.5	12

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