

# Fontaine, G R

## List of Publications by Year in descending order

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times ranked

14465  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . Astrophysical Journal Letters, 2017, 848, L12.  | 8.3  | 2,805     |
| 2  | Experimental observation of isolated large transverse energy electrons with associated missing energy at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 122, 103-116.         | 4.1  | 747       |
| 3  | Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .   | 12.6 | 654       |
| 4  | An Exceptional Very High Energy Gamma-Ray Flare of PKS 2155-304. Astrophysical Journal, 2007, 664, L71-L74.   | 4.5  | 644       |
| 5  | Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.  | 3.7  | 640       |
| 6  | Observations of the Crab nebula with HESS. Astronomy and Astrophysics, 2006, 457, 899-915.  | 5.1  | 603       |
| 7  | Experimental observation of lepton pairs of invariant mass around 95 GeV/c <sup>2</sup> at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 126, 398-410. | 4.1  | 587       |
| 8  | Energy Spectrum of Cosmic-Ray Electrons at TeV Energies. Physical Review Letters, 2008, 101, 261104.  | 7.8  | 516       |
| 9  | Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.   | 4.3  | 504       |
| 10 | A low level of extragalactic background light as revealed by $\hat{\Gamma}^3$ -rays from blazars. Nature, 2006, 440, 1018-1021.   | 27.8 | 474       |
| 11 | The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. Astrophysical Journal, 2006, 636, 777-797.  | 4.5  | 463       |
| 12 | High-energy particle acceleration in the shell of a supernova remnant. Nature, 2004, 432, 75-77.  | 27.8 | 450       |
| 13 | Discovery of very-high-energy $\hat{\Gamma}^3$ -rays from the Galactic Centre ridge. Nature, 2006, 439, 695-698.  | 27.8 | 420       |
| 14 | Probing the ATIC peak in the cosmic-ray electron spectrum with $\hat{\Gamma}^3$ . Astronomy and Astrophysics, 2009, 508, 561-564.   | 5.1  | 396       |
| 15 | Very high energy gamma rays from the direction of Sagittarius A <sup>*</sup> . Astronomy and Astrophysics, 2004, 425, L13-L17.  | 5.1  | 332       |
| 16 | Acceleration of petaelectronvolt protons in the Galactic Centre. Nature, 2016, 531, 476-479.  | 27.8 | 326       |
| 17 | Discovery of the binary pulsar PSR B1259-63 in very-high-energy gamma rays around periastron with HESS. Astronomy and Astrophysics, 2005, 442, 1-10.  | 5.1  | 285       |
| 18 | Discovery of Very High Energy Gamma Rays Associated with an X-ray Binary. Science, 2005, 309, 746-749.  | 12.6 | 277       |

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|----|--|------|-----------|
| 19 | Fast Variability of Tera-Electron Volt $\gamma$ Rays from the Radio Galaxy M87. <i>Science</i> , 2006, 314, 1424-1427.   | 12.6 | 277       |
| 20 | Primary particle acceleration above 100 TeV in the shell-type supernova remnant RX J1713.7-3946 with deep HESS observations. <i>Astronomy and Astrophysics</i> , 2007, 464, 235-243.   | 5.1  | 266       |
| 21 | Transverse momentum spectra for charged particles at the CERN proton-antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982, 118, 167-172.  | 4.1  | 263       |
| 22 | A detailed spectral and morphological study of the gamma-ray supernova remnant RX J1713.7-3946 with HESS. <i>Astronomy and Astrophysics</i> , 2006, 449, 223-242.  | 5.1  | 258       |
| 23 | A New Population of Very High Energy Gamma-Ray Sources in the Milky Way. <i>Science</i> , 2005, 307, 1938-1942.  | 12.6 | 249       |
| 24 | The H.E.S.S. Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A1.   | 5.1  | 244       |
| 25 | Search for Dark Matter Annihilations towards the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. <i>Physical Review Letters</i> , 2016, 117, 111301.  | 7.8  | 233       |
| 26 | Experimental observation of events with large missing transverse energy accompanied by a jet or a photon ( $S$ ) in $p$ collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 139, 115-125. | 4.1  | 212       |
| 27 | 3.9 day orbital modulation in the TeV $\gamma$ -ray flux and spectrum from the X-ray binary LS 5039. <i>Astronomy and Astrophysics</i> , 2006, 460, 743-749.   | 5.1  | 212       |
| 28 | Discovery of very high energy gamma-ray emission coincident with molecular clouds in the W 28 (G6.4-0.1) field. <i>Astronomy and Astrophysics</i> , 2008, 481, 401-410.  | 5.1  | 209       |
| 29 | Search for a Dark Matter Annihilation Signal from the Galactic Center Halo with H.E.S.S.. <i>Physical Review Letters</i> , 2011, 106, 161301.  | 7.8  | 209       |
| 30 | New constraints on the mid-IR EBL from the HESS discovery of very high energy $\gamma$ -rays from 1ES 0229+200. <i>Astronomy and Astrophysics</i> , 2007, 475, L9-L13.   | 5.1  | 200       |
| 31 | Associated production of an isolated, large-transverse-momentum lepton (electron or muon), and two jets at the CERN $p$ collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 147, 493-508.      | 4.1  | 197       |
| 32 | Further evidence for charged intermediate vector bosons at the SPS collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 129, 273-282.   | 4.1  | 194       |
| 33 | Search for oscillations at the CERN proton-antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 186, 247-254.  | 4.1  | 186       |
| 34 | HESS Observations of the Galactic Center Region and Their Possible Dark Matter Interpretation. <i>Physical Review Letters</i> , 2006, 97, 221102.  | 7.8  | 177       |
| 35 | DISCOVERY OF VERY HIGH ENERGY $\gamma$ -RAY EMISSION FROM CENTAURUS A WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2009, 695, L40-L44.  | 4.5  | 177       |
| 36 | Search for Photon-Linelike Signatures from Dark Matter Annihilations with H.E.S.S.. <i>Physical Review Letters</i> , 2013, 110, 041301.  | 7.8  | 176       |

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|----|---|------|-----------|
| 37 | Radio Imaging of the Very-High-Energy $\hat{\Gamma}^3$ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.   | 12.6 | 175       |
| 38 | Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2014, 565, A16.   | 5.1  | 174       |
| 39 | Detection of Gamma Rays from a Starburst Galaxy. <i>Science</i> , 2009, 326, 1080-1082.   | 12.6 | 172       |
| 40 | H.E.S.S. Observations of the Supernova Remnant RX J0852.0 $\hat{\Gamma}$ 4622: Shell $\hat{\Gamma}$ Type Morphology and Spectrum of a Widely Extended Very High Energy Gamma $\hat{\Gamma}$ Ray Source. <i>Astrophysical Journal</i> , 2007, 661, 236-249.          | 4.5  | 167       |
| 41 | A very-high-energy component deep in the $\hat{\Gamma}^3$ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.   | 27.8 | 166       |
| 42 | First detection of a VHE gamma-ray spectral maximum from a cosmic source: HESS $\hat{\Gamma}$ discovery of the Vela X nebula. <i>Astronomy and Astrophysics</i> , 2006, 448, L43-L47.   | 5.1  | 164       |
| 43 | HESS very-high-energy gamma-ray sources without identified counterparts. <i>Astronomy and Astrophysics</i> , 2008, 477, 353-363.  | 5.1  | 163       |
| 44 | Observation of jets in high transverse energy events at the CERN proton antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 123, 115-122.  | 4.1  | 160       |
| 45 | Production of low transverse energy clusters in collisions at $\hat{\Gamma}^3=0.2\hat{\Gamma}0.9$ TeV and their interpretation in terms of QCD jets. <i>Nuclear Physics B</i> , 1988, 309, 405-425.   | 2.5  | 155       |
| 46 | Detection of TeV $\hat{\Gamma}^3$ -ray emission from the shell-type supernova remnant RX J0852.0-4622 $\hat{\Gamma}$ with HESS. <i>Astronomy and Astrophysics</i> , 2005, 437, L7-L10.  | 5.1  | 154       |
| 47 | Energy dependent $\hat{\Gamma}^3$ -ray morphology in the pulsar wind nebula HESS J1825 $\hat{\Gamma}$ 137. <i>Astronomy and Astrophysics</i> , 2006, 460, 365-374.  | 5.1  | 152       |
| 48 | THE 2010 VERY HIGH ENERGY $\hat{\Gamma}^3$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.   | 4.5  | 145       |
| 49 | SIMULTANEOUS OBSERVATIONS OF PKS 2155 $\hat{\Gamma}$ 304 WITH HESS, <i>&lt;i&gt;FERMI&lt;/i&gt;</i> , <i>&lt;i&gt;RXTE&lt;/i&gt;</i> , AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE. <i>Astrophysical Journal</i> , 2009, 696, L150-L155. | 4.5  | 144       |
| 50 | First detection of VHE $\hat{\Gamma}^3</i>$ -rays from SN $\hat{\Gamma}$ 1006 by HESS. <i>Astronomy and Astrophysics</i> , 2010, 516, A62.  | 5.1  | 139       |
| 51 | Measurement of the extragalactic background light imprint on the spectra of the brightest blazars observed with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2013, 550, A4.  | 5.1  | 139       |
| 52 | H.E.S.S. observations of PKS $\hat{\Gamma}$ 2155-304. <i>Astronomy and Astrophysics</i> , 2005, 430, 865-875.   | 5.1  | 133       |
| 53 | Observation of jet structure in high pT events at the ISR and the importance of parton transverse momentum. <i>Nuclear Physics B</i> , 1977, 127, 1-42.   | 2.5  | 122       |
| 54 | Discovery of extended VHE gamma-ray emission from the asymmetric pulsar wind nebula in MSH 15-52 $\hat{\Gamma}$ with HESS. <i>Astronomy and Astrophysics</i> , 2005, 435, L17-L20.  | 5.1  | 121       |

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|----|---|------|-----------|
| 55 | Events with large missing transverse energy at the CERN collider: III. Mass limits on supersymmetric particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 198, 261-270. | 4.1  | 120       |
| 56 | Beauty production at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 237-246.   | 4.1  | 118       |
| 57 | The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey. Astronomy and Astrophysics, 2018, 612, A2.   | 5.1  | 117       |
| 58 | Very high energy gamma rays from the composite SNR G0.9+0.1. Astronomy and Astrophysics, 2005, 432, L25-L29.  | 5.1  | 117       |
| 59 | Hadronic jet production at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 132, 214-222.   | 4.1  | 115       |
| 60 | Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS 2155-304 energy spectrum. Physical Review D, 2013, 88, .  | 4.7  | 112       |
| 61 | Detection of VHE gamma-ray emission from the distant blazar 1ES 1101-232 with HESS and broadband characterisation. Astronomy and Astrophysics, 2007, 470, 475-489.  | 5.1  | 111       |
| 62 | The exceptionally powerful TeV $\hat{\gamma}$ -ray emitters in the Large Magellanic Cloud. Science, 2015, 347, 406-412.   | 12.6 | 111       |
| 63 | Angular distributions and structure functions from two-jet events at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 294-300.                     | 4.1  | 110       |
| 64 | Search for $\hat{\gamma}$ -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. Physical Review Letters, 2018, 120, 201101.                        | 7.8  | 105       |
| 65 | Discovery of VHE $\hat{\gamma}$ -rays from the distant BL Lacertae 1ES 0347-121. Astronomy and Astrophysics, 2007, 473, L25-L28.  | 5.1  | 104       |
| 66 | Temporal and spectral gamma-ray properties of Mkn 421 above 250 GeV from CAT observations between 1996 and 2000. Astronomy and Astrophysics, 2001, 374, 895-906.  | 5.1  | 103       |
| 67 | Calibration of cameras of the H.E.S.S. detector. Astroparticle Physics, 2004, 22, 109-125.  | 4.3  | 103       |
| 68 | Studies of intermediate vector boson production and decay in UA1 at the CERN proton-antiproton collider. Zeitschrift für Physik C-Particles and Fields, 1989, 44, 15-61.  | 1.5  | 99        |
| 69 | Detection of extended very-high-energy $\hat{\gamma}$ -ray emission towards the young stellar cluster Westerlund 2. Astronomy and Astrophysics, 2007, 467, 1075-1080.   | 5.1  | 99        |
| 70 | Spectrum and variability of the Galactic center VHE $\hat{\gamma}$ -ray source HESS J1745-290. Astronomy and Astrophysics, 2009, 503, 817-825.  | 5.1  | 99        |
| 71 | DISCOVERY OF GAMMA-RAY EMISSION FROM THE SHELL-TYPE SUPERNOVA REMNANT RCW 86 WITH HESS. Astrophysical Journal, 2009, 692, 1500-1505.  | 4.5  | 96        |
| 72 | Limits on an Energy Dependence of the Speed of Light from a Flare of the Active Galaxy PKS 2155-304. Physical Review Letters, 2008, 101, 170402.  | 7.8  | 95        |

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|----|--|------|-----------|
| 73 | Simultaneous multiwavelength observations of the second exceptional $\gamma$ -ray flare of PKS 2155+304 in July 2006. <i>Astronomy and Astrophysics</i> , 2009, 502, 749-770.  | 5.1  | 95        |
| 74 | H.E.S.S. observations of RX J1713.7+3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell. <i>Astronomy and Astrophysics</i> , 2018, 612, A6.  | 5.1  | 95        |
| 75 | Measurement of the inclusive jet cross section at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 172, 461-466.   | 4.1  | 94        |
| 76 | Discovery of a point-like very-high-energy $\gamma$ -ray source in Monoceros. <i>Astronomy and Astrophysics</i> , 2007, 469, L1-L4.  | 5.1  | 94        |
| 77 | Search for Lorentz Invariance breaking with a likelihood fit of the PKS 2155-304 flare data taken on MJD 53944. <i>Astroparticle Physics</i> , 2011, 34, 738-747.  | 4.3  | 94        |
| 78 | Some observations on the first events seen at the CERN proton-antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 107, 320-324.   | 4.1  | 92        |
| 79 | Elastic and total cross section measurement at the CERN proton-antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 128, 336-342.  | 4.1  | 89        |
| 80 | VHE $\gamma$ -ray emission of PKS 2155+304: spectral and temporal variability. <i>Astronomy and Astrophysics</i> , 2010, 520, A83.   | 5.1  | 88        |
| 81 | Search for new heavy quarks at the CERN proton-antiproton collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988, 37, 505-525.  | 1.5  | 87        |
| 82 | Observations of the Sagittarius dwarf galaxy by the HESS experiment and search for a dark matter signal. <i>Astroparticle Physics</i> , 2008, 29, 55-62.   | 4.3  | 87        |
| 83 | Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow. <i>Science</i> , 2021, 372, 1081-1085.  | 12.6 | 86        |
| 84 | Multi-wavelength observations of PKS 2155-304 with HESS. <i>Astronomy and Astrophysics</i> , 2005, 442, 895-907.   | 5.1  | 83        |
| 85 | Recent results on intermediate vector boson properties at the CERN super proton synchrotron collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 166, 484-490.  | 4.1  | 81        |
| 86 | A new SNR with TeV shell-type morphology: HESS J1731-347. <i>Astronomy and Astrophysics</i> , 2011, 531, A81.  | 5.1  | 77        |
| 87 | Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies. <i>Physical Review D</i> , 2014, 90, .   | 4.7  | 76        |
| 88 | Discovery of extended VHE $\gamma$ -ray emission from the vicinity of the young massive stellar cluster Westerlund 1. <i>Astronomy and Astrophysics</i> , 2012, 537, A114.   | 5.1  | 76        |
| 89 | Events with large missing transverse energy at the cern collider: II. search for the decays of $W^\pm$ into heavy leptons and of $Z^0$ into non-interacting particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 185, 241-248. | 4.1  | 75        |
| 90 | Measurement of the bottom quark production cross section in proton-antiproton collisions at $\sqrt{s} = 0.63$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 213, 405-412.   | 4.1  | 75        |

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|-----|--|-----|-----------|
| 91  | H.E.S.S. constraints on dark matter annihilations towards the sculptor and carina dwarf galaxies. <i>Astroparticle Physics</i> , 2011, 34, 608-616.  | 4.3 | 74        |
| 92  | Probing the extent of the non-thermal emission from the Vela X region at TeV energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2012, 548, A38.   | 5.1 | 74        |
| 93  | H.E.S.S. discovery of VHE $\gamma$ -rays from the quasar PKS 1510-089. <i>Astronomy and Astrophysics</i> , 2013, 554, A107.  | 5.1 | 73        |
| 94  | Intermediate vector boson cross sections at the CERN super proton synchrotron collider and the number of neutrino types. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 198, 271-280.   | 4.1 | 72        |
| 95  | A possible association of the new VHE $\gamma$ -ray source HESS J1825+137 with the pulsar wind nebula G 18.0+0.7. <i>Astronomy and Astrophysics</i> , 2005, 442, L25-L29.  | 5.1 | 70        |
| 96  | Very high energy $\gamma$ -ray observations of the binary PSR B1259+63/SS2883 around the 2007 Periastron. <i>Astronomy and Astrophysics</i> , 2009, 507, 389-396.  | 5.1 | 70        |
| 97  | Observation of charmed D meson production in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979, 81, 250-254.   | 4.1 | 69        |
| 98  | Charged particle multiplicity distributions in proton-antiproton collisions at 540 GeV centre of mass energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 123, 108-114.  | 4.1 | 69        |
| 99  | Diffuse Galactic gamma-ray emission with H.E.S.S.. <i>Physical Review D</i> , 2014, 90, .  | 4.7 | 69        |
| 100 | Discovery of the two "wings" of the Kookaburra complex in VHE $\gamma$ -rays with HESS. <i>Astronomy and Astrophysics</i> , 2006, 456, 245-251.  | 5.1 | 68        |
| 101 | Constraints on the multi-TeV particle population in the Coma galaxy cluster with HESS observations. <i>Astronomy and Astrophysics</i> , 2009, 502, 437-443.  | 5.1 | 67        |
| 102 | Evidence for VHE $\gamma$ -ray emission from the distant BL Lac PG 1553+113. <i>Astronomy and Astrophysics</i> , 2006, 448, L19-L23.   | 5.1 | 67        |
| 103 | Charmed baryon production at the CERN intersecting storage rings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979, 85, 452-457.   | 4.1 | 66        |
| 104 | Comparison of three-jet and two-jet cross sections in $pp$ , collisions at the CERN SPS $pp$ , collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 158, 494-504.   | 4.1 | 64        |
| 105 | Events with large missing transverse energy at the cern collider: $W \rightarrow \tau, \tau \rightarrow \mu, \tau \rightarrow e$ universality at $Q^2 = m_W^2$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 185, 233-240. | 4.1 | 63        |
| 106 | Gamma ray spectrum of the crab nebula in the multi TeV region. <i>Astroparticle Physics</i> , 1993, 1, 341-355.  | 4.3 | 63        |
| 107 | The CAT imaging telescope for very-high-energy gamma-ray astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 416, 278-292.   | 1.6 | 63        |
| 108 | Exploring a SNR/molecular cloud association within HESS J1745+303. <i>Astronomy and Astrophysics</i> , 2008, 483, 509-517.   | 5.1 | 63        |

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|-----|--|-----|-----------|
| 109 | Serendipitous discovery of the unidentified extended TeV $\hat{\Gamma}^3$ -ray source HESS J1303-631. <i>Astronomy and Astrophysics</i> , 2005, 439, 1013-1021.  | 5.1 | 62        |
| 110 | Direct photon production at the CERN proton-antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 209, 385-396.   | 4.1 | 61        |
| 111 | Observations of Mkn 421 in 2004 with HESS at large zenith angles. <i>Astronomy and Astrophysics</i> , 2005, 437, 95-99.  | 5.1 | 61        |
| 112 | SPECTRAL ANALYSIS AND INTERPRETATION OF THE $\hat{\Gamma}^3$ -RAY EMISSION FROM THE STARBURST GALAXY NGC 253. <i>Astrophysical Journal</i> , 2012, 757, 158.   | 4.5 | 61        |
| 113 | Density, charge and transverse momentum correlations of particles in non-diffractive proton-proton collisions at $\hat{\Gamma}^3 s = 52.5$ GeV. <i>Nuclear Physics B</i> , 1979, 155, 269-294.   | 2.5 | 60        |
| 114 | Observations of selected AGN with HESS. <i>Astronomy and Astrophysics</i> , 2005, 441, 465-472.  | 5.1 | 59        |
| 115 | Production of vector and tensor mesons in proton-proton collisions at $\sqrt{s} = 52.5$ GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1981, 9, 293-303.  | 1.5 | 57        |
| 116 | Discovery of very high energy $\hat{\Gamma}^3$ -ray emission from the BL Lacertae object HESS J2356-309 with the HESS Cherenkov telescopes. <i>Astronomy and Astrophysics</i> , 2006, 455, 461-466.  | 5.1 | 57        |
| 117 | Particle transport within the pulsar wind nebula HESS J1825-137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.  | 5.1 | 57        |
| 118 | Discovery of VHE gamma rays from PKS 2005-489. <i>Astronomy and Astrophysics</i> , 2005, 436, L17-L20.   | 5.1 | 57        |
| 119 | SEARCH FOR DARK MATTER ANNIHILATION SIGNALS FROM THE FORNAX GALAXY CLUSTER WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2012, 750, 123.   | 4.5 | 57        |
| 120 | Angular distributions for high-mass jet pairs and a limit on the energy scale of compositeness for quarks from the CERN pp $\bar{p}$ collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 177, 244-250. | 4.1 | 56        |
| 121 | Detection of very high energy radiation from HESS J1908+063 confirms the Milagro unidentified source MGRO J1908+06. <i>Astronomy and Astrophysics</i> , 2009, 499, 723-728.  | 5.1 | 55        |
| 122 | Localizing the VHE $\hat{\Gamma}^3$ -ray source at the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1877-1882.   | 4.4 | 55        |
| 123 | Two-jet mass distributions at the CERN proton-antiproton collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 209, 127-134.   | 4.1 | 54        |
| 124 | Measurement of the EBL spectral energy distribution using the VHE $\hat{\Gamma}^3$ -ray spectra of H.E.S.S. blazars. <i>Astronomy and Astrophysics</i> , 2017, 606, A59.   | 5.1 | 54        |
| 125 | Observation of the muonic decay of the charged intermediate vector boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 134, 469-476.  | 4.1 | 53        |
| 126 | Discovery of a VHE gamma-ray source coincident with the supernova remnant CTB 37A. <i>Astronomy and Astrophysics</i> , 2008, 490, 685-693.   | 5.1 | 53        |



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|-----|---|-----|-----------|
| 127 | Discovery of VHE $\gamma$ -rays from the high-frequency-peaked BL Lacertae object RGB J0152+017. <i>Astronomy and Astrophysics</i> , 2008, 481, L103-L107.  | 5.1 | 52        |
| 128 | Revisiting the Westerlund $\alpha$ field with the HESS telescope array. <i>Astronomy and Astrophysics</i> , 2011, 525, A46.   | 5.1 | 52        |
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