

# Sergio Navas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

273  
papers

50,542  
citations

53  
h-index

224  
g-index

283  
ext. papers

55,699  
ext. citations

4  
avg, IF

8.48  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 273 | Science with Neutrino Telescopes in Spain. <i>Universe</i> , <b>2022</b> , 8, 89   | 2.5 |           |
| 272 | Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdr with the ANTARES Telescope. <i>Astrophysical Journal</i> , <b>2021</b> , 920, 50   | 4.7 | 3         |
| 271 | Sensitivity to light sterile neutrino mixing parameters with KM3NeT/ORCA. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1  | 5.4 | 0         |
| 270 | ANTARES upper limits on the multi-TeV neutrino emission from the GRBs detected by IACTs. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 092   | 6.4 | 2         |
| 269 | ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. <i>Astrophysical Journal</i> , <b>2021</b> , 911, 48  | 4.7 | 5         |
| 268 | Measurement of the atmospheric $\bar{\nu}_\mu$ and $\nu_\mu$ energy spectra with the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 816, 136228 | 4.2 | 4         |
| 267 | The KM3NeT potential for the next core-collapse supernova observation with neutrinos. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1   | 4.2 | 11        |
| 266 | Search for neutrino non-standard interactions with ANTARES and KM3NeT-ORCA. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, C09016   | 1   | 2         |
| 265 | Architecture and performance of the KM3NeT front-end firmware. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , <b>2021</b> , 7,  | 1.1 | 4         |
| 264 | Monte Carlo simulations for the ANTARES underwater neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 064-064   | 6.4 | 4         |
| 263 | Event reconstruction for KM3NeT/ORCA using convolutional neural networks. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10005-P10005  | 1   | 4         |
| 262 | Search for dark matter towards the Galactic Centre with 11 years of ANTARES data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 805, 135439                                | 4.2 | 12        |
| 261 | Search for neutrino counterparts of gravitational-wave events detected by LIGO and Virgo during run O2 with the ANTARES telescope. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1  | 4.2 | 4         |
| 260 | Dependence of atmospheric muon flux on seawater depth measured with the first KM3NeT detection units. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1   | 4.2 | 11        |
| 259 | Observation of the cosmic ray shadow of the Sun with the ANTARES neutrino telescope. <i>Physical Review D</i> , <b>2020</b> , 102,   | 4.9 | 1         |
| 258 | ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 92   | 4.7 | 13        |
| 257 | Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10 yr of ANTARES data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 5614-5628                       | 4.3 | 5         |

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| 256 | gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. <i>Computer Physics Communications</i> , <b>2020</b> , 256, 107477  | 4.2 | 8    |
| 255 | Deep-sea deployment of the KM3NeT neutrino telescope detection units by self-unrolling. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P11027-P11027   | 1   | 3    |
| 254 | The Control Unit of the KM3NeT Data Acquisition System. <i>Computer Physics Communications</i> , <b>2020</b> , 256, 107433  | 4.2 | 3    |
| 253 | Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , <b>2020</b> , 2020,   | 5.4 | 1112 |
| 252 | Letter of interest for a neutrino beam from Protvino to KM3NeT/ORCA. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1   | 4.2 | 3    |
| 251 | Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , <b>2019</b> , 870, 134 | 4.7 | 23   |
| 250 | Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. <i>Astroparticle Physics</i> , <b>2019</b> , 111, 100-110   | 2.4 | 29   |
| 249 | Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                   | 5.4 | 10   |
| 248 | ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 108   | 4.7 | 3    |
| 247 | KM3NeT front-end and readout electronics system: hardware, firmware, and software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , <b>2019</b> , 5, 1                                       | 1.1 | 10   |
| 246 | Searches for point-like sources of cosmic neutrinos with 11 years of ANTARES data <b>2019</b> ,   |     | 2    |
| 245 | A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 98  | 4.7 | 3    |
| 244 | The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 184-193                 | 4.3 | 7    |
| 243 | The SURvey for Pulsars and Extragalactic Radio Bursts III. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 1427-1446                       | 4.3 | 126  |
| 242 | All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 853, L7  | 7.9 | 29   |
| 241 | Review of Particle Physics*. <i>Physical Review D</i> , <b>2018</b> , 98,   | 4.9 | 4401 |
| 240 | Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 868, L20   | 7.9 | 35   |
| 239 | The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1006   | 4.2 | 8    |

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|-----|--|-----|------|
| 238 | Long-term monitoring of the ANTARES optical module efficiencies using ( $^{40}\text{K}$ ) decays in sea water. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1                          | 4.2 | 7    |
| 237 | Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P05035-P05035  | 1   | 14   |
| 236 | The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 863, L30   | 7.9 | 19   |
| 235 | Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P03002-P03002                          | 1   | 12   |
| 234 | First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. <i>Physical Review D</i> , <b>2017</b> , 96,  | 4.9 | 44   |
| 233 | Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12  | 7.9 | 1935 |
| 232 | New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. <i>Physical Review D</i> , <b>2017</b> , 96,  | 4.9 | 24   |
| 231 | Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1                 | 5.4 | 17   |
| 230 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L35 | 7.9 | 104  |
| 229 | Search for relativistic magnetic monopoles with five years of the ANTARES detector data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1   | 5.4 | 8    |
| 228 | All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the Antares neutrino telescope. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1                    | 4.2 | 11   |
| 227 | An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. <i>Astronomical Journal</i> , <b>2017</b> , 154, 275  | 4.9 | 8    |
| 226 | Searches for diffuse fluxes of astrophysical neutrinos with the ANTARES telescope. <i>EPJ Web of Conferences</i> , <b>2017</b> , 136, 04005  | 0.3 |      |
| 225 | Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. <i>Physical Review D</i> , <b>2016</b> , 93,  | 4.9 | 12   |
| 224 | Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. <i>Physical Review D</i> , <b>2016</b> , 93,  | 4.9 | 62   |
| 223 | Measurement of the Radiation Energy in the Radio Signal of Extensive Air Showers as a Universal Estimator of Cosmic-Ray Energy. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241101       | 7.4 | 65   |
| 222 | Review of Particle Physics. <i>Chinese Physics C</i> , <b>2016</b> , 40, 100001  | 2.2 | 3442 |
| 221 | Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. <i>Physical Review Letters</i> , <b>2016</b> , 117, 192001                        | 7.4 | 107  |

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| 220 | Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P01018-P01018   | 1   | 15  |
| 219 | Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2016</b> , 2016, 037-037 | 6.4 | 21  |
| 218 | Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P02012-P02012  | 1   | 32  |
| 217 | Letter of intent for KM3NeT 2.0. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2016</b> , 43, 084001  | 2.9 | 333 |
| 216 | Evidence for a mixed mass composition at the ankle in the cosmic-ray spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 288-295  | 4.2 | 59  |
| 215 | Dynamic range measurement and calibration of SiPMs. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P03009-P03009  | 7   |     |
| 214 | Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. <i>European Physical Journal C</i> , <b>2015</b> , 75, 269  | 4.2 | 9   |
| 213 | LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. <i>Astrophysical Journal</i> , <b>2015</b> , 802, 111   | 4.7 | 43  |
| 212 | The Pierre Auger Cosmic Ray Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 798, 172-213   | 1.2 | 293 |
| 211 | Measurement of the cosmic ray spectrum above 4 × 10 <sup>18</sup> eV using inclined events detected with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2015</b> , 2015, 049-049   | 6.4 | 15  |
| 210 | SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 15   | 4.7 | 113 |
| 209 | Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. <i>Physical Review D</i> , <b>2015</b> , 91,   | 4.9 | 108 |
| 208 | Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events. <i>Physical Review D</i> , <b>2015</b> , 91,  | 4.9 | 100 |
| 207 | Highlights from the Pierre Auger Observatory. <i>Brazilian Journal of Physics</i> , <b>2014</b> , 44, 560-570  | 1.2 | 25  |
| 206 | Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. <i>Atmospheric Research</i> , <b>2014</b> , 149, 120-135   | 5.4 | 6   |
| 205 | Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above 10 <sup>17.8</sup> eV. <i>Physical Review D</i> , <b>2014</b> , 90,   | 4.9 | 195 |
| 204 | Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications. <i>Physical Review D</i> , <b>2014</b> , 90,  | 4.9 | 157 |
| 203 | SEARCHES FOR LARGE-SCALE ANISOTROPY IN THE ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE ENERGY OF 10 <sup>19</sup> eV AT THE PIERRE AUGER OBSERVATORY AND THE TELESCOPE ARRAY. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 172                                 | 4.7 | 56  |

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| 202 | A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 160   | 4.7 | 23   |
| 201 | Reconstruction of inclined air showers detected with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2014</b> , 2014, 019-019   | 6.4 | 36   |
| 200 | Probing the radio emission from air showers with polarization measurements. <i>Physical Review D</i> , <b>2014</b> , 89,   | 4.9 | 63   |
| 199 | Review of Particle Physics. <i>Chinese Physics C</i> , <b>2014</b> , 38, 090001  | 2.2 | 5549 |
| 198 | Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. <i>Physical Review D</i> , <b>2014</b> , 90,  | 4.9 | 44   |
| 197 | A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 789, L34   | 7.9 | 11   |
| 196 | Identifying clouds over the Pierre Auger Observatory using infrared satellite data. <i>Astroparticle Physics</i> , <b>2013</b> , 50-52, 92-101   | 2.4 | 6    |
| 195 | The Search for Ultra-High Energy Neutrinos at the Pierre Auger Observatory. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2013</b> , 237-238, 236-238  |     |      |
| 194 | Search for ultra-high energy neutrinos at the pierre auger observatory. <i>EPJ Web of Conferences</i> , <b>2013</b> , 53, 05003  | 0.3 |      |
| 193 | Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , <b>2013</b> , 2013, 1-18  | 1   | 25   |
| 192 | Techniques for measuring aerosol attenuation using the Central Laser Facility at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, P04009-P04009                                | 1   | 20   |
| 191 | Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2013</b> , 2013, 026-026                   | 6.4 | 11   |
| 190 | CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE 10 <sup>18</sup> eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 762, L13   | 7.9 | 53   |
| 189 | Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2013</b> , 2013, 009-009                         | 6.4 | 31   |
| 188 | Review of Particle Physics*. <i>Physical Review D</i> , <b>2012</b> , 86,  | 4.9 | 4786 |
| 187 | A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2012</b> , 2012, 040-040 | 6.4 | 5    |
| 186 | Measurement of the cosmic ray energy spectrum using hybrid events of the Pierre Auger Observatory. <i>European Physical Journal Plus</i> , <b>2012</b> , 127, 1  | 3.1 | 24   |
| 185 | Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2012</b> , 35, 354-361                             | 2.4 | 24   |

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| 184 | Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , <b>2012</b> , 35, 591-607  | 2.4 | 55  |
| 183 | SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 755, L4  | 7.9 | 46  |
| 182 | Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P10011-P10011   | 1   | 72  |
| 181 | Measurement of the proton-air cross section at $\sqrt{s}=57$ TeV with the Pierre Auger Observatory. <i>Physical Review Letters</i> , <b>2012</b> , 109, 062002  | 7.4 | 179 |
| 180 | Publisher's Note: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory [Phys. Rev. D 84, 122005 (2011)]. <i>Physical Review D</i> , <b>2012</b> , 85,  | 4.9 | 6   |
| 179 | A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , <b>2012</b> , 760, 148   | 4.7 | 21  |
| 178 | LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10 <sup>18</sup> eV AT THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 203, 34   | 8   | 39  |
| 177 | Enhancements to the Southern Pierre Auger Observatory. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 375, 052006   | 0.3 | 7   |
| 176 | The rapid atmospheric monitoring system of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P09001-P09001   | 1   | 22  |
| 175 | Results of a self-triggered prototype system for radio-detection of extensive air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P11023-P11023   | 1   | 19  |
| 174 | Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2011</b> , 2011, 022-022   | 6.4 | 6   |
| 173 | ArDM: a ton-scale LAr detector for direct Dark Matter searches. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 308, 012006  | 0.3 | 29  |
| 172 | The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. <i>Journal of Instrumentation</i> , <b>2011</b> , 6, P01003-P01003   | 1   | 12  |
| 171 | The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2011</b> , 35, 266-276  | 2.4 | 13  |
| 170 | The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2011</b> , 34, 368-381   | 2.4 | 39  |
| 169 | Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2011</b> , 34, 627-639  | 2.4 | 64  |
| 168 | Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , <b>2011</b> , 84,   | 4.9 | 40  |
| 167 | Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 635, 92-102 | 1.2 | 44  |



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| 166 | The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2011</b> , 2011, 022-022                 | 6.4 | 22   |
| 165 | Measurement of the depth of maximum of extensive air showers above $10^{18}$ eV. <i>Physical Review Letters</i> , <b>2010</b> , 104, 091101   | 7.4 | 387  |
| 164 | First results on light readout from the 1-ton ArDM liquid argon detector for dark matter searches. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P11003-P11003   | 1   | 19   |
| 163 | Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2010</b> , 37, 075021  | 2.9 | 4379 |
| 162 | A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2010</b> , 33, 108-129  | 2.4 | 73   |
| 161 | Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. <i>Astroparticle Physics</i> , <b>2010</b> , 34, 314-326  | 2.4 | 229  |
| 160 | Trigger and aperture of the surface detector array of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 613, 29-39 | 1.2 | 121  |
| 159 | Measurement of the energy spectrum of cosmic rays above $10^{18}$ eV using the Pierre Auger Observatory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 685, 239-246                         | 4.2 | 328  |
| 158 | The fluorescence detector of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 620, 227-251                        | 1.2 | 202  |
| 157 | Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. <i>Astroparticle Physics</i> , <b>2009</b> , 32, 89-99   | 2.4 | 33   |
| 156 | Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2009</b> , 31, 399-406   | 2.4 | 99   |
| 155 | Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. <i>Physical Review D</i> , <b>2009</b> , 79,   | 4.9 | 81   |
| 154 | Development of wavelength shifter coated reflectors for the ArDM argon dark matter detector. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P06001-P06001   | 1   | 26   |
| 153 | Observation of the suppression of the flux of cosmic rays above $4 \times 10^{19}$ eV. <i>Physical Review Letters</i> , <b>2008</b> , 101, 061101   | 7.4 | 443  |
| 152 | Upper limit on the diffuse flux of ultrahigh energy tau neutrinos from the Pierre Auger Observatory. <i>Physical Review Letters</i> , <b>2008</b> , 100, 211101   | 7.4 | 117  |
| 151 | Characterization of large area photomultipliers and its application to dark matter search with noble liquid detectors. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, P01006-P01006   | 1   | 6    |
| 150 | High-temperature superconducting level meter for liquid argon detectors. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, P12001-P12001   | 1   | 3    |
| 149 | Dark matter searches with the ArDM detector. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 110, 062019   | 0.3 |      |



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|-----|---|------|------|
| 148 | Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. <i>Astroparticle Physics</i> , <b>2008</b> , 29, 188-204   | 2.4  | 262  |
| 147 | Upper limit on the cosmic-ray photon flux above 1019 eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2008</b> , 29, 243-256  | 2.4  | 141  |
| 146 | Correlation of the highest-energy cosmic rays with nearby extragalactic objects. <i>Science</i> , <b>2007</b> , 318, 938-943  | 4.3  | 558  |
| 145 | Nucleon decay searches with large liquid Argon TPC detectors at shallow depths: atmospheric neutrinos and cosmogenic backgrounds. <i>Journal of High Energy Physics</i> , <b>2007</b> , 2007, 041-041   | 5.4  | 53   |
| 144 | Performance of a liquid argon time projection chamber exposed to the CERN West Area Neutrino Facility neutrino beam. <i>Physical Review D</i> , <b>2006</b> , 74,   | 4.9  | 34   |
| 143 | Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2006</b> , 33, 1-1232  | 2.9  | 3486 |
| 142 | Observation of coherent neutrino-nucleus elastic scattering at a beta beam. <i>Physical Review D</i> , <b>2006</b> , 74,  | 4.9  | 23   |
| 141 | Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , <b>2006</b> , 427, 257-454  | 27.7 | 730  |
| 140 | Characterization of ETL 9357FLA photomultiplier tubes for cryogenic temperature applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 556, 146-157 | 1.2  | 37   |
| 139 | Measurement of through-going particle momentum by means of multiple scattering with the ICARUS T600 TPC. <i>European Physical Journal C</i> , <b>2006</b> , 48, 667-676   | 4.2  | 32   |
| 138 | Measurement of the $\tau$ decay spectrum with the ICARUS liquid Argon TPC. <i>European Physical Journal C</i> , <b>2004</b> , 33, 233-241   | 4.2  | 41   |
| 137 | Analysis of the liquid argon purity in the ICARUS T600 TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 516, 68-79                                     | 1.2  | 49   |
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| 134 | Review of Particle Physics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 592, 1-5  | 4.2  | 3560 |
| 133 | Detection of Cherenkov light emission in liquid argon. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 516, 348-363  | 1.2  | 20   |
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| 131 | Neutrino cross-section measurement with neutrinos from muon decay. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2003</b> , 503, 151-153                            | 1.2  |      |

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| 128 | The ANTARES optical module. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 484, 369-383   | 1.2 | 134  |
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| 126 | Review of Particle Properties. <i>Physical Review D</i> , <b>2002</b> , 66,   | 4.9 | 2767 |
| 125 | Study of dimuon production in photon-photon collisions and measurement of QED photon structure functions at LEP. <i>European Physical Journal C</i> , <b>2001</b> , 19, 15-28   | 4.2 | 3    |
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| 123 | Measurement of the branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 475, 407-428   | 4.2 | 13   |
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| 121 | Determination of $ V_{ub} / V_{cb} $ with DELPHI at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 478, 14-30   | 4.2 | 25   |
| 120 | Search for charginos in $e^+e^-$ interactions at $s=189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 479, 129-143  | 4.2 | 8    |
| 119 | Update of the search for charginos nearly mass-degenerate with the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 485, 95-106                                     | 4.2 | 10   |
| 118 | Rapidity-rank structure of $pp$ pairs in hadronic $Z^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 490, 61-70  | 4.2 | 3    |
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| 115 | $B$ polarization in $Z^0$ decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 474, 205-222   | 4.2 | 11   |
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| 113 | Consistent measurements of $\langle \alpha_s \rangle$ from precise oriented event shape distributions. <i>European Physical Journal C</i> , <b>2000</b> , 14, 557-584   | 4.2 | 33   |

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| 112 | A precise measurement of the ( $\tau$ ) polarisation at LEP-1. <i>European Physical Journal C</i> , <b>2000</b> , 14, 585-611.  | 4.2 | 11 |
| 111 | Measurement of the strange quark forward-backward asymmetry around the $Z^{(0)}$ peak. <i>European Physical Journal C</i> , <b>2000</b> , 14, 613-631   | 4.2 | 8  |
| 110 | Cross-sections and leptonic forward-backward asymmetries from the $Z^{(0)}$ running of LEP. <i>European Physical Journal C</i> , <b>2000</b> , 16, 371-405  | 4.2 | 33 |
| 109 | Searches for neutral Higgs bosons in $(e^+e^-)$ collisions around $(\sqrt{s}) = 189$ GeV. <i>European Physical Journal C</i> , <b>2000</b> , 17, 187-205  | 4.2 | 11 |
| 108 | Measurement of the $(B^0_s)$ lifetime and study of $(B^0_s)-\overline{(B^0_s)}$ oscillations using $(D_s)$ events. <i>European Physical Journal C</i> , <b>2000</b> , 16, 555-578   | 4.2 | 23 |
| 107 | Photon events with missing energy at $(\sqrt{s}) = 183$ to 189 GeV. <i>European Physical Journal C</i> , <b>2000</b> , 17, 53-65  | 4.2 | 44 |
| 106 | Identified charged particles in quark and gluon jets. <i>European Physical Journal C</i> , <b>2000</b> , 17, 207-222  | 4.2 | 34 |
| 105 | Study of $(B^0_s)-\overline{(B^0_s)}$ oscillations and $(B^0_s)$ lifetimes using hadronic decays of $(B^0_s)$ mesons. <i>European Physical Journal C</i> , <b>2000</b> , 18, 229-252  | 4.2 | 7  |
| 104 | A study of the Lorentz structure in tau decays. <i>European Physical Journal C</i> , <b>2000</b> , 16, 229-252  | 4.2 | 16 |
| 103 | Determination of $(P(c \rightarrow D^{*+}))$ and $(BR(c \rightarrow l^+))$ at LEP 1. <i>European Physical Journal C</i> , <b>2000</b> , 12, 209-224   | 4.2 | 20 |
| 102 | Measurement of the gluon fragmentation function and a comparison of the scaling violation in gluon and quark jets <b>2000</b> , 13, 573   |     | 28 |
| 101 | Search for supersymmetry with R-parity violating $(LL \bar{E})$ couplings at $(\sqrt{s}) = 183$ GeV <b>2000</b> , 13, 591   |     | 12 |
| 100 | The ANTARES Project. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1999</b> , 75, 415-417   |     | 6  |
| 99  | Search for Leptoquarks and FCNC in $e^+e^-$ annihilations at $s=183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 446, 62-74  | 4.2 | 28 |
| 98  | Search for charginos, neutralinos and gravitinos in $e^+e^-$ interactions at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 446, 75-91                                  | 4.2 | 14 |
| 97  | Study of the four-jet anomaly observed at LEP centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 448, 311-319                        | 4.2 |    |
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| 95  | The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of $CA/CF$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 449, 383-400 | 4.2 | 36 |

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| 94 | Energy dependence of event shapes and of $B_s$ at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 456, 322-340   | 4.2 | 47 |
| 93 | W pair production cross-section and W branching fractions in $e^+e^-$ interactions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 456, 310-321                   | 4.2 | 8  |
| 92 | Multiplicity fluctuations in one- and two-dimensional angular intervals compared with analytic QCD calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 457, 368-382 | 4.2 | 10 |
| 91 | A search for invisible Higgs bosons produced in $e^+e^-$ interactions at LEP 2 energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 459, 367-381                         | 4.2 | 6  |
| 90 | Search for the Higgs boson in events with isolated photons at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 458, 431-446   | 4.2 | 15 |
| 89 | Energy dependence of inclusive spectra in $e^+e^-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 459, 397-411   | 4.2 | 29 |
| 88 | Measurements of the trilinear gauge boson couplings $WWV$ ( $V=Z$ ) in $e^+e^-$ collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 459, 382-396           | 4.2 | 20 |
| 87 | Measurement of the rate of events in hadronic Z decays and the extraction of the gluon splitting into. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 462, 425-439           | 4.2 | 18 |
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| 85 | Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV. <i>European Physical Journal C</i> , <b>1999</b> , 6, 385-401  | 4.2 | 4  |
| 84 | Search for pair-produced neutralinos in events with photons and missing energy from $e^+e^-$ collisions at ( $\sqrt{s} = 130 - 183$ ) GeV. <i>European Physical Journal C</i> , <b>1999</b> , 6, 371-384                              | 4.2 | 3  |
| 83 | Search for charged Higgs bosons at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 460, 484-497  | 4.2 | 9  |
| 82 | Measurement of the mass of the W boson using direct reconstruction at $\sqrt{s} = 183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 462, 410-424                      | 4.2 | 16 |
| 81 | Measurement of $(A_{FB}^{\overline{b}b})$ in hadronic Z decays using a jet charge technique <b>1999</b> , 9, 367  |     | 2  |
| 80 | Measurement of the lifetime of b-baryons <b>1999</b> , 10, 185  |     | 13 |
| 79 | Measurements of the leptonic branching fractions of the tau <b>1999</b> , 10, 201   |     | 10 |
| 78 | Measurement of the forward backward asymmetry of c and b quarks at the Z pole using reconstructed D mesons <b>1999</b> , 10, 219  |     | 10 |
| 77 | Search for neutral Higgs bosons in $e^+e^-$ collisions at ( $\sqrt{s}=183$ ) GeV <b>1999</b> , 10, 563  |     | 12 |

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| 76 | Search for charginos nearly mass-degenerate with the lightest neutralino <b>1999</b> , 11, 1   |     | 15 |
| 75 | Measurement and interpretation of fermion-pair production at LEP energies from 130 to 172 GeV <b>1999</b> , 11, 383  |     | 25 |
| 74 | A precise measurement of the partial decay width ratio $(R_{\mathrm{b}})^0 = \Gamma_{\mathrm{b}}/\Gamma_{\mathrm{had}}$ <b>1999</b> , 10, 415  |     | 25 |
| 73 | Search for charginos, neutralinos and gravitinos at LEP. <i>European Physical Journal C</i> , <b>1998</b> , 1, 1   | 4.2 | 10 |
| 72 | Two-particle angular correlations in $e^+e^-$ interactions compared with QCD predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 440, 203-216                             | 4.2 | 5  |
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| 70 | Rapidity correlations in $\Lambda$ baryon and proton production in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 416, 247-256                                | 4.2 | 10 |
| 69 | mb at MZ. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 418, 430-442   | 4.2 | 44 |
| 68 | Search for charged Higgs bosons in $e^+e^-$ collisions at $\sqrt{s}=172$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 420, 140-156   | 4.2 | 9  |
| 67 | Measurement of trilinear gauge couplings in $e^+e^-$ collisions at 161 GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 423, 194-206                               | 4.2 | 28 |
| 66 | Measurement of the inclusive charmless and double-charm B branching ratios. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 193-206   | 4.2 | 6  |
| 65 | Measurement of the charged particle multiplicity of weakly decaying B hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 425, 399-412  | 4.2 | 5  |
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| 63 | A study of the hadronic resonance structure in the decay $B \rightarrow \pi\pi$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 411-427                                     | 4.2 | 26 |
| 62 | Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section at the LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 433, 429-440                                 | 4.2 | 10 |
| 61 | Measurement of $ V_{cs} $ using W decays at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 439, 209-224   | 4.2 | 21 |
| 60 | A search for $\chi_c$ production in photon-photon fusion at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 441, 479-490  | 4.2 | 17 |
| 59 | A search for heavy stable and long-lived squarks and sleptons in $e^+e^-$ collisions at energies from 130 to 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 444, 491-502 | 4.2 | 24 |



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| 57 | JASP: a program to estimate discovery and exclusion limits in prospective studies of searches. <i>Computer Physics Communications</i> , <b>1997</b> , 100, 119-127   | 4.2 |     |
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| 55 | Identified particles in quark and gluon jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 401, 118-130   | 4.2 | 2   |
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| 52 | Search for neutral heavy leptons produced in Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 74, 57-71  |     | 199 |
| 51 | Search for new phenomena using single photon events at LEP1. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 74, 577-586  |     | 38  |
| 50 | A study of the reaction $e^+ e^- \rightarrow \mu^+ \mu^-$ ISR at LEP and search for new physics at annihilation energies near 80 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 75, 581-592                       |     | 7   |
| 49 | Measurement of B <sub>d</sub> - oscillations. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 76, 579-598   |     | 16  |
| 48 | Search for lepton flavour number violating Z <sup>0</sup> - decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 73, 243-251   |     | 66  |
| 47 | Search for excited leptons in $e^+e^-$ collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 393, 245-260   | 4.2 | 10  |
| 46 | Search for stable heavy charged particles in $e^+e^-$ collisions at , 161 and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 396, 315-326                                  | 4.2 | 19  |
| 45 | Search for the B <sub>c</sub> meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 398, 207-222  | 4.2 | 26  |
| 44 | A measurement of $\beta$ s from the scaling violation in $e^+e^-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 398, 194-206   | 4.2 | 16  |
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| 41 | Measurement of the spin density matrix for the $\rho^0$ , K <sup>0</sup> (892) and F produced in Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 406, 271-286 | 4.2 | 28  |



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| 39 | Measurement of the triple gluon vertex from double quark tagged 4-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 414, 401-418   | 4.2 | 11  |
| 38 | Observation of charge-ordering in particle production in hadronic $Z^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 407, 174-184  | 4.2 | 13  |
| 37 | Search for pair production of heavy objects in 4-jet events at $\sqrt{s}=130-136$ GeV DELPHI Collaboration. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 73, 1-9   |     | 5   |
| 36 | Tuning and test of fragmentation models based on identified particles and precision event shape data DELPHI Collaboration. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 73, 11-59  |     | 155 |
| 35 | Measurement of inclusive $K^*(892)$ , $\rho(1020)$ and $K_{2}^{*0}(1430)$ production in hadronic $Z$ decays DELPHI Collaboration. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 73, 61-72   |     | 18  |
| 34 | Discovery limits in prospective studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 372, 293-296   | 1.2 | 6   |
| 33 | Search for promptly produced heavy quarkonium states in hadronic $Z$ decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 69, 575-583  |     | 8   |
| 32 | Energy dependence of the differences between the quark and gluon jet fragmentation. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 70, 179-195   |     | 50  |
| 31 | Production of $D$ and $D_n$ in $Z$ decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 70, 371-381  |     | 12  |
| 30 | Measurement of the partial decay width $R_{b^0} = \Gamma_{b^0} / \Gamma_{had}$ of the $Z$ with the DELPHI detector at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 70, 531-547  |     | 13  |
| 29 | Determination of the average lifetime of $\Lambda_b^-$ -baryons. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 71, 199-210  |     | 6   |
| 28 | Determination of $ V_{cb} $ from the semileptonic decay $B \rightarrow D \ell^+ \nu$ . <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 71, 539-553  |     | 33  |
| 27 | Search for high mass resonances in $(e^+ + e^- \rightarrow \ell^+ + \ell^- + \gamma \gamma)$ , $(\bar{\nu} \nu \gamma \gamma)$ and $(q \bar{q} \gamma \gamma)$ at LEP at LEP I. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 179-190 |     | 3   |
| 26 | Study of rare decays with the DELPHI detector at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 207-220   |     | 22  |
| 25 | A precise measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 365, 448-460   | 4.2 | 16  |
| 24 | Charged particle multiplicity in $e^+e^-$ interactions at $s = 130$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 372, 172-180  | 4.2 | 25  |
| 23 | Search for exclusive decays of the $\Lambda_b$ baryon and measurement of its mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 374, 351-361  | 4.2 | 25  |

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| 22 | Updated precision measurement of the average lifetime of B hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 377, 195-204  | 4.2 | 8   |
| 21 | First measurement of $f_2^{\prime}(1525)$ production in $Z^0$ hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 379, 309-318                                 | 4.2 | 5   |
| 20 | Kaon interference in the hadronic decays of the $Z^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 379, 330-340  | 4.2 | 20  |
| 19 | Search for anomalous production of single photons at and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 380, 471-479  | 4.2 | 18  |
| 18 | Study of radiative leptonic events with hard photons and search for excited charged leptons at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 380, 480-490            | 4.2 | 17  |
| 17 | Search for the lightest chargino at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 382, 323-336   | 4.2 | 14  |
| 16 | Search for neutralinos, scalar leptons and scalar quarks in $e^+e^-$ interactions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 387, 651-666                          | 4.2 | 12  |
| 15 | Estimating exclusion limits in prospective studies of searches. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 378, 301-304 | 1.2 | 3   |
| 14 | Performance of the DELPHI detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 378, 57-100                              | 1.2 | 248 |
| 13 | An upper limit for $Br(Z^0 \rightarrow \tau\tau\tau)$ from symmetric 3-jet $Z^0$ hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 389, 405-415              | 4.2 | 1   |
| 12 | Mean lifetime of the $B^0_s$ meson <b>1996</b> , 71, 11   |     | 1   |
| 11 | Measurement of the $B^0_d$ oscillation frequency using kaons, leptons and jet charge <b>1996</b> , 72, 17   |     | 1   |
| 10 | First evidence of hard scattering processes in single tagged $\tau$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 342, 402-416                                | 4.2 | 12  |
| 9  | Observation of orbitally excited B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 345, 598-608   | 4.2 | 75  |
| 8  | Production of charged particles, $K_S^0$ , $K_L^0$ , $p$ and $\bar{n}$ events and in the decay of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 347, 447-466   | 4.2 | 36  |
| 7  | Observation of short range three-particle correlations in $e^+e^-$ annihilations at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 355, 415-424              | 4.2 | 28  |
| 6  | Search for exclusive charmless B meson decays with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 255-266                                 | 4.2 | 6   |
| 5  | A measurement of the leptonic branching fractions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 715-724   | 4.2 | 9   |

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| 4 | Upper limits on the branching ratios $B_{\text{had}}^{\text{had}}$ and $B_{\text{had}}^{\text{le}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 359, 411-421 | 4.2 | 7  |
| 3 | Measurement of $\Xi^+(1232)$ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 361, 207-220   | 4.2 | 13 |
| 2 | Inclusive measurements of the production in hadronic Z0 decays. <i>Nuclear Physics B</i> , <b>1995</b> , 444, 3-26   | 2.8 | 38 |
| 1 | Microwave experiments on electromagnetic evanescent waves and tunneling effect. <i>American Journal of Physics</i> , <b>1993</b> , 61, 165-169   | 0.7 | 9  |