

# Olaf Scholten

## 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.

276  
papers

8,709  
citations

45  
h-index

85  
g-index

309  
ext. papers

9,332  
ext. citations

3.6  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
276	Reconstructing the neutrino energy for in-ice radio detectors. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	1
275	Interferometric imaging of intensely radiating negative leaders. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	3
274	LOFAR Observations of Lightning Initial Breakdown Pulses. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	2
273	Implications of Multiple Corona Bursts in Lightning Processes for Radio Frequency Interferometer Observations. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	1
272	Needle Propagation and Twinkling Characteristics. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD034252	4.4	2
271	Design and sensitivity of the Radio Neutrino Observatory in Greenland (RNO-G). <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P03025	1	16
270	Depth of shower maximum and mass composition of cosmic rays from 50 PeV to 2 EeV measured with the LOFAR radio telescope. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	3
269	The Initial Stage of Cloud Lightning Imaged in High-Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033126	4.4	11
268	Timing Calibration and Windowing Technique Comparison for Lightning Mapping Arrays. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2020EA001523	3.1	
267	A distinct negative leader propagation mode. <i>Scientific Reports</i> , <b>2021</b> , 11, 16256	4.9	5
266	Time resolved 3D interferometric imaging of a section of a negative leader with LOFAR. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	6
265	Distinguishing features of high altitude negative leaders as observed with LOFAR. <i>Atmospheric Research</i> , <b>2021</b> , 260, 105688	5.4	3
264	Reconstructing air shower parameters with LOFAR using event specific GDAS atmosphere. <i>Astroparticle Physics</i> , <b>2020</b> , 123, 102470	2.4	3
263	A 3-Year Sample of Almost 1,600 Elves Recorded Above South America by the Pierre Auger Cosmic-Ray Observatory. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2019EA000582	3.1	1
262	Radio Emission Reveals Inner Meter-Scale Structure of Negative Lightning Leader Steps. <i>Physical Review Letters</i> , <b>2020</b> , 124, 105101	7.4	15
261	On the cosmic-ray energy scale of the LOFAR radio telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2020</b> , 2020, 017-017	6.4	3
260	Determining Electric Fields in Thunderclouds With the Radiotelescope LOFAR. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031433	4.4	5

259	Generation of Seed Electrons by Extensive Air Showers, and the Lightning Inception Problem Including Narrow Bipolar Events. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 7255-7269	4.4	10
258	Needle-like structures discovered on positively charged lightning branches. <i>Nature</i> , <b>2019</b> , 568, 360-363	50.4	38
257	Cosmic Ray Physics with the LOFAR Radio Telescope. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1181, 012020	0.3	
256	Calibration of the LOFAR low-band antennas using the Galaxy and a model of the signal chain. <i>Astroparticle Physics</i> , <b>2019</b> , 111, 1-11	2.4	7
255	Status of the Lunar Detection Mode for Cosmic Particles of LOFAR. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1181, 012077	0.3	
254	Towards real-time cosmic-ray identification with the LOw Frequency ARay. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 04005	0.3	2
253	Updated Calibration of the LOFAR Low-Band Antennas. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 04006	0.3	1
252	Properties of the Lunar Detection Mode for ZeV-Scale Particles with LOFAR. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 04010	0.3	
251	MGMR3D, a semi-analytic code for the obtaining the radio footprint from the shower currents. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 03003	0.3	1
250	Radio universality and template-based pulse synthesis. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 03006	0.3	
249	Determining atmospheric electric fields through radio emission from air showers. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 03010	0.3	
248	A new parametrization for the radio emission of air showers applied to LOFAR data. <i>EPJ Web of Conferences</i> , <b>2019</b> , 216, 03011	0.3	
247	Analytic calculation of radio emission from parametrized extensive air showers: A tool to extract shower parameters. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	8
246	LOFAR Lightning Imaging: Mapping Lightning With Nanosecond Precision. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 2861-2876	4.4	12
245	The effect of the atmospheric refractive index on the radio signal of extensive air showers. <i>Astroparticle Physics</i> , <b>2017</b> , 89, 23-29	2.4	13
244	Modeling the radar scatter off of high-energy neutrino-induced particle cascades in ice. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 05006	0.3	
243	Cosmic Ray Mass Measurements with LOFAR. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 01009	0.3	
242	Thunderstorm electric fields probed by extensive air showers through their polarized radio emission. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8

241	Overview of lunar detection of ultra-high energy particles and new plans for the SKA. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 04001	0.3	3
240	Analytic Calculation of Radio Emission from Extensive Air Showers subjected to Atmospheric Electric Fields. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 03004	0.3	2
239	TEC, Trigger and Check, preparing LOFAR for Lunar observations. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 04004	0.3	
238	The influence of the atmospheric refractive index on radioXmaxmeasurements of air showers. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 01012	0.3	
237	Precision study of radio emission from air showers at LOFAR. <i>EPJ Web of Conferences</i> , <b>2017</b> , 136, 02012	0.3	1
236	Search for Cosmic Particles with the Moon and LOFAR. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 04003	0.3	2
235	Realtime processing of LOFAR data for the detection of nano-second pulses from the Moon. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 898, 032004	0.3	1
234	A study of radio frequency spectrum emitted by high energy air showers with LOFAR. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 01010	0.3	
233	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above $8 \times 10$ eV. <i>Science</i> , <b>2017</b> , 357, 1266-1270	33.3	172
232	Lightning Imaging with LOFAR. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 03003	0.3	1
231	Ultimate precision in cosmic-ray radio detection at the SKA. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 02003	0.3	5
230	Towards real-time identification of cosmic rays with LOw-Frequency ARray radio antennas. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 01011	0.3	
229	Interpretation of the cosmic-ray air shower signal in Askaryan radio detectors. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 05001	0.3	
228	Circular polarization of radio emission from air showers in thunderstorm conditions. <i>EPJ Web of Conferences</i> , <b>2017</b> , 135, 03002	0.3	1
227	The mass composition of cosmic rays measured with LOFAR. <i>EPJ Web of Conferences</i> , <b>2017</b> , 136, 02001	0.3	3
226	Measurement of the circular polarization in radio emission from extensive air showers confirms emission mechanisms. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	20
225	Influence of atmospheric electric fields on the radio emission from extensive air showers. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	14
224	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

223	Obscured flat spectrum radio active galactic nuclei as sources of high-energy neutrinos. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	4
222	The cosmic-ray air-shower signal in Askaryan radio detectors. <i>Astroparticle Physics</i> , <b>2016</b> , 74, 96-104	2.4	16
221	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
220	Measurement of the cosmic-ray energy spectrum above 10 <sup>16</sup> eV with the LOFAR Radboud Air Shower Array. <i>Astroparticle Physics</i> , <b>2016</b> , 73, 34-43	2.4	14
219	Measurement of cosmic rays with LOFAR. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 718, 052035	0.3	
218	Timing calibration and spectral cleaning of LOFAR time series data. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 590, A41	5.1	8
217	A large light-mass component of cosmic rays at 10 <sup>(17)</sup> -10 <sup>(17.5)</sup> electronvolts from radio observations. <i>Nature</i> , <b>2016</b> , 531, 70-3	50.4	90
216	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
215	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
214	The radio emission pattern of air showers as measured with LOFAR's tool for the reconstruction of the energy and the shower maximum. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2015</b> , 2015, 018-018	6.4	28
213	The shape of the radio wavefront of extensive air showers as measured with LOFAR. <i>Astroparticle Physics</i> , <b>2015</b> , 61, 22-31	2.4	37
212	Calibrating the absolute amplitude scale for air showers measured at LOFAR. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P11005-P11005	1	34
211	A new way of air shower detection: measuring the properties of cosmic rays with LOFAR. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 632, 012018	0.3	
210	Probing Atmospheric Electric Fields in Thunderstorms through Radio Emission from Cosmic-Ray-Induced Air Showers. <i>Physical Review Letters</i> , <b>2015</b> , 114, 165001	7.4	38
209	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
208	Prediction of Lightning Inception by Large Ice Particles and Extensive Air Showers. <i>Physical Review Letters</i> , <b>2015</b> , 115, 015002	7.4	49
207	Measuring a Cherenkov ring in the radio emission from air showers at 110-90MHz with LOFAR. <i>Astroparticle Physics</i> , <b>2015</b> , 65, 11-21	2.4	37
206	A description of odd mass Xe and Te isotopes in the Interacting Boson-Hermion Model. <i>Nuclear Physics A</i> , <b>2014</b> , 927, 91-109	1.3	9

205	LORA: A scintillator array for LOFAR to measure extensive air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 767, 339-346	1.2	34
204	SEARCHES FOR LARGE-SCALE ANISOTROPY IN THE ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE ENERGY OF 1019eV AT THE PIERRE AUGER OBSERVATORY AND THE TELESCOPE ARRAY. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 172	4.7	56
203	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 160	4.7	23
202	Polarized radio emission from extensive air showers measured with LOFAR. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2014</b> , 2014, 014-014	6.4	49
201	Method for high precision reconstruction of air shower Xmax using two-dimensional radio intensity profiles. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	71
200	Recent results from cosmic-ray measurements with LOFAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 742, 115-118	1.2	
199	What the radio signal tells about the cosmic-ray air shower. <i>EPJ Web of Conferences</i> , <b>2013</b> , 53, 08005	0.3	3
198	Detecting cosmic rays with the LOFAR radio telescope. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 560, A98	5.1	82
197	The air shower maximum probed by Cherenkov effects from radio emission. <i>Astroparticle Physics</i> , <b>2013</b> , 45, 23-27	2.4	22
196	Detecting radio emission from air showers with LOFAR <b>2013</b> ,		3
195	Searching for neutrino radio flashes from the Moon with LOFAR <b>2013</b> ,		3
194	The EVA code; macroscopic modeling of radio emission from air showers based on full MC simulations including a realistic index of refraction <b>2013</b> ,		2
193	First results from EVA simulations; Cherenkov effects and the composition of the initial cosmic ray <b>2013</b> ,		1
192	Production of the H dibaryon via the (K[K+]) reaction on a 12C target. <i>Physical Review C</i> , <b>2013</b> , 88,	2.7	3
191	Macroscopic geo-magnetic radiation model; polarization effects and finite volume calculations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 662, S175-S178	1.2	12
190	Detecting ultra high energy neutrinos with LOFAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 662, S26-S28 <sup>1,2</sup>		7
189	The convergence of EAS radio emission models and a detailed comparison of REAS3 and MGMR simulations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 662, S179-S186	1.2	27
188	Coherent radiation from extensive air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 662, S80-S84 <sup>1,2</sup>		10

187	Optimized trigger for ultra-high-energy cosmic-ray and neutrino observations with the low frequency radio array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 664, 171-185	1.2	11
186	A description of odd mass W-isotopes in the Interacting Boson Fermion model. <i>Nuclear Physics A</i> , <b>2012</b> , 878, 37-48	1.3	4
185	A hidden local symmetry approach to rho-meson photoproduction. <i>European Physical Journal A</i> , <b>2012</b> , 48, 1	2.5	1
184	A realistic treatment of geomagnetic Cherenkov radiation from cosmic ray air showers. <i>Astroparticle Physics</i> , <b>2012</b> , 37, 5-16	2.4	62
183	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
182	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
181	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
180	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
179	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2011</b> , 34, 368-381	2.4	39
178	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
177	Ultra-high-energy cosmic ray and neutrino detection using the Moon. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2011</b> , 212-213, 128-133		1
176	Coherent Cherenkov radiation from cosmic-ray-induced air showers. <i>Physical Review Letters</i> , <b>2011</b> , 107, 061101	7.4	50
175	Production of a cascade hyperon in the K <sup>-</sup> proton interaction. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	19
174	Kinematical constraints in fermion-antifermion systems. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	8
173	Constraints on the flux of ultra-high energy neutrinos from Westerbork Synthesis Radio Telescope observations. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 521, A47	5.1	28
172	Associated photoproduction of K <sup>+</sup> mesons off protons within a coupled-channels K-matrix approach. <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	26
171	Limit on the ultrahigh-energy cosmic-ray flux with the Westerbork synthesis radio telescope. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	16
170	Ultra-high-energy cosmic ray and neutrino physics using the Moon. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 239, 012003	0.3	1



169	The lateral distribution function of coherent radio emission from extensive air showers: Determining the chemical composition of cosmic rays. <i>Astroparticle Physics</i> , <b>2010</b> , 34, 267-273	2.4	53
168	Multi-reaction-channel fitting calculations in a coupled-channel model: Photoinduced strangeness production <b>2010</b> , 75, 215-224		
167	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
166	Cosmic ray and neutrino measurements with LOFAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 617, 482-483 <sup>1,2</sup>		7
165	Photoproduction in a Coupled-Channel Approach. <i>Nuclear Physics A</i> , <b>2010</b> , 835, 321-324	1.3	
164	Improved flux limits for neutrinos with energies above 10(22) eV from observations with the Westerbork Synthesis Radio Telescope. <i>Physical Review Letters</i> , <b>2009</b> , 103, 191301	7.4	36
163	Coupled-channel analysis for $\pi$ photoproduction with $\pi(1520)$ . <i>Physical Review C</i> , <b>2009</b> , 80,	2.7	21
162	ULTRA-HIGH ENERGY COSMIC RAY AND NEUTRINO DETECTION USING THE MOON: FIRST RESULTS. <i>International Journal of Modern Physics D</i> , <b>2009</b> , 18, 1597-1601	2.2	1
161	LOFAR - A new experiment to record radio emission from cosmic particles. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2009</b> , 196, 289-292		8
160	First results of the NuMoon experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 604, S102-S105	1.2	14
159	Air shower measurements with LOFAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 604, S20-S23	1.2	4
158	Macroscopic model of geomagnetic-radiation from air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 604, S24-S26	1.2	16
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	Proton-proton bremsstrahlung cross-sections including the kinematical singularity. <i>European Physical Journal A</i> , <b>2009</b> , 41, 25-29	2.5	4
154	COUPLED-CHANNELS PARTIAL-WAVE ANALYSIS OF KAON PHOTOPRODUCTION. <i>Modern Physics Letters A</i> , <b>2008</b> , 23, 2305-2308	1.3	1
153	Determining neutrino absorption spectra at ultra-high energies. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2008</b> , 2008, 015	6.4	3
152	Photoproduction of mesons within a coupled-channels K-matrix approach. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	42



151	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
150	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
149	A macroscopic description of coherent geo-magnetic radiation from cosmic-ray air showers. <i>Astroparticle Physics</i> , <b>2008</b> , 29, 94-103	2.4	101
148	Upper limit on the cosmic-ray photon flux above 10 <sup>19</sup> eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2008</b> , 29, 243-256	2.4	141
147	Macroscopic treatment of radio emission from cosmic ray air showers based on shower simulations. <i>Astroparticle Physics</i> , <b>2008</b> , 29, 393-411	2.4	49
146	Loop corrections and the K-matrix formalism. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	1
145	An upper limit to the photon fraction in cosmic rays above 10 <sup>19</sup> eV from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , <b>2007</b> , 27, 155-168	2.4	77
144	One- and two-phonon mixed-symmetry states in <sup>94</sup> Mo in high-resolution electron and proton scattering. <i>Nuclear Physics A</i> , <b>2007</b> , 788, 94-99	1.3	2
143	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. <i>Astroparticle Physics</i> , <b>2007</b> , 27, 244-253	2.4	44
142	Correlation of the highest-energy cosmic rays with nearby extragalactic objects. <i>Science</i> , <b>2007</b> , 318, 938-943	3.3	558
141	Two-pion exchange contributions to the relativistic NN kernel: Peripheral scattering. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	1
140	High-energy-resolution inelastic electron and proton scattering and the multiphonon nature of mixed-symmetry 2 <sup>+</sup> states in <sup>94</sup> Mo. <i>Physical Review Letters</i> , <b>2007</b> , 99, 092503	7.4	27
139	Optimal Radio Window for the Detection of Ultra-High-Energy Cosmic Rays and Neutrinos off the Moon. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 81, 012004	0.3	1
138	Channel coupling effects in meson photoproduction. <i>Physical Review C</i> , <b>2006</b> , 74,	2.7	10
137	USING THE WESTERBORK RADIO OBSERVATORY TO DETECT UHE COSMIC PARTICLES INTERACTING ON THE MOON. <i>International Journal of Modern Physics A</i> , <b>2006</b> , 21, 147-152	1.2	
136	Optimal radio window for the detection of Ultra-High Energy cosmic rays and neutrinos off the moon. <i>Astroparticle Physics</i> , <b>2006</b> , 26, 219-229	2.4	53
135	Proton bremsstrahlung towards the elastic limit at 190 MeV incident beam energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 632, 480-484	4.2	4
134	Dibaryon resonance and two-photon bremsstrahlung in pp scattering. <i>Physical Review C</i> , <b>2005</b> , 71,	2.7	1

133	K $\pi$ and K $\eta$ photoproduction in a coupled-channels framework. <i>Physical Review C</i> , <b>2005</b> , 72,	2.7	51
132	Patterns of the ground states in the presence of random interactions: Nucleon systems. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	15
131	Exclusive measurement of quasifree proton-neutron bremsstrahlung. <i>Physical Review Letters</i> , <b>2004</b> , 92, 202301	7.4	6
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