

Olaf Scholten

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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	New magnetic dipole excitation mode studied in the heavy deformed nucleus ^{156}Gd by inelastic electron scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 137, 27-31	4.2	612
275	Correlation of the highest-energy cosmic rays with nearby extragalactic objects. <i>Science</i> , 2007 , 318, 938-943	33.3	558
274	Classical Limit of the Interacting-Boson Model. <i>Physical Review Letters</i> , 1980 , 44, 1747-1750	7.4	475
273	Interacting Boson-Fermion Model of Collective States in Odd-A Nuclei. <i>Physical Review Letters</i> , 1979 , 43, 679-682	7.4	436
272	Interacting boson model of collective nuclear states III. The transition from SU(5) to SU(3). <i>Annals of Physics</i> , 1978 , 115, 325-366	2.5	405
271	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. <i>Astroparticle Physics</i> , 2008 , 29, 188-204	2.4	262
270	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. <i>Astroparticle Physics</i> , 2010 , 34, 314-326	2.4	229
269	Collective quadrupole states of Xe, Ba and Ce in the interacting boson model. <i>Nuclear Physics A</i> , 1980 , 348, 109-124	1.3	224
268	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10 eV. <i>Science</i> , 2017 , 357, 1266-1270	33.3	172
267	On shapes and shape phase transitions in the interacting boson model. <i>Nuclear Physics A</i> , 1980 , 346, 125-138	13.8	146
266	Description of the Pt and Os isotopes in the interacting boson model. <i>Nuclear Physics A</i> , 1980 , 344, 207-232	13.8	146
265	Upper limit on the cosmic-ray photon flux above 1019 eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2008 , 29, 243-256	2.4	141
264	On magnetic dipole properties in the neutron-proton IBA model. <i>Nuclear Physics A</i> , 1984 , 423, 333-349	1.3	131
263	Upper limit on the diffuse flux of ultrahigh energy tau neutrinos from the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2008 , 100, 211101	7.4	117
262	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal</i> , 2015 , 804, 15	4.7	113
261	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2016 , 117, 192001	7.4	107
260	Mixed-symmetry states in the neutron-proton interacting boson model. <i>Nuclear Physics A</i> , 1985 , 438, 41-77	1.3	102

259	A macroscopic description of coherent geo-magnetic radiation from cosmic-ray air showers. <i>Astroparticle Physics</i> , 2008 , 29, 94-103	2.4	101
258	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2009 , 31, 399-406	2.4	99
257	A large light-mass component of cosmic rays at 10(17)-10(17.5) electronvolts from radio observations. <i>Nature</i> , 2016 , 531, 70-3	50.4	90
256	Single particle degrees of freedom in the interacting boson model. <i>Progress in Particle and Nuclear Physics</i> , 1985 , 14, 189-229	10.6	86
255	Detecting cosmic rays with the LOFAR radio telescope. <i>Astronomy and Astrophysics</i> , 2013 , 560, A98	5.1	82
254	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2007 , 27, 155-168	2.4	77
253	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012 , 7, P10011-P10011	1	72
252	Forward-angle inelastic scattering. <i>Physical Review C</i> , 1982 , 25, 804-812	2.7	72
251	Method for high precision reconstruction of air shower Xmax using two-dimensional radio intensity profiles. <i>Physical Review D</i> , 2014 , 90,	4.9	71
250	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011 , 34, 627-639	2.4	64
249	A realistic treatment of geomagnetic Cherenkov radiation from cosmic ray air showers. <i>Astroparticle Physics</i> , 2012 , 37, 5-16	2.4	62
248	An interacting boson model description of octupole states in nucleic. <i>Annals of Physics</i> , 1988 , 182, 344-374	2.4	61
247	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> , 2014 , 794, 172	4.7	56
246	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , 2012 , 35, 591-607	2.4	55
245	The lateral distribution function of coherent radio emission from extensive air showers: Determining the chemical composition of cosmic rays. <i>Astroparticle Physics</i> , 2010 , 34, 267-273	2.4	53
244	Optimal radio window for the detection of Ultra-High Energy cosmic rays and neutrinos off the moon. <i>Astroparticle Physics</i> , 2006 , 26, 219-229	2.4	53
243	The level structure of ^{156}Gd studied by means of the (α, n) reaction. <i>Nuclear Physics A</i> , 1981 , 352, 191-220	2.4	53
242	K^{Δ} and K^{Π} photoproduction in a coupled-channels framework. <i>Physical Review C</i> , 2005 , 72,	2.7	51

241	Microscopic calculations for the interacting boson model. <i>Physical Review C</i> , 1983 , 28, 1783-1790	2.7	51
240	Description of the Europium isotopes in the interacting boson-fermion model. <i>Nuclear Physics A</i> , 1982 , 380, 509-528	1.3	51
239	The $^{116}\text{Sn}(d, t)^{115}\text{Sn}$ reaction and the investigation of deeply bound hole states in the odd-A tin isotopes. <i>Nuclear Physics A</i> , 1977 , 289, 141-164	1.3	51
238	Coherent Cherenkov radiation from cosmic-ray-induced air showers. <i>Physical Review Letters</i> , 2011 , 107, 061101	7.4	50
237	Prediction of Lightning Inception by Large Ice Particles and Extensive Air Showers. <i>Physical Review Letters</i> , 2015 , 115, 015002	7.4	49
236	Polarized radio emission from extensive air showers measured with LOFAR. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 014-014	6.4	49
235	Macroscopic treatment of radio emission from cosmic ray air showers based on shower simulations. <i>Astroparticle Physics</i> , 2008 , 29, 393-411	2.4	49
234	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> , 2012 , 755, L4	7.9	46
233	Compton scattering on the nucleon at intermediate energies and polarizabilities in a microscopic model. <i>Physical Review C</i> , 2001 , 64,	2.7	46
232	On the structure of the Δ vertex: Compton scattering in the $(\pi 1232)$ region and below. <i>Nuclear Physics A</i> , 1995 , 591, 658-674	1.3	45
231	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. <i>Astroparticle Physics</i> , 2007 , 27, 244-253	2.4	44
230	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> , 2015 , 802, 111	4.7	43
229	Photoproduction of η mesons within a coupled-channels K-matrix approach. <i>Physical Review C</i> , 2008 , 78,	2.7	42
228	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011 , 34, 368-381	2.4	39
227	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10^{18} eV AT THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 203, 34	8	39
226	Needle-like structures discovered on positively charged lightning branches. <i>Nature</i> , 2019 , 568, 360-363	50.4	38
225	Probing Atmospheric Electric Fields in Thunderstorms through Radio Emission from Cosmic-Ray-Induced Air Showers. <i>Physical Review Letters</i> , 2015 , 114, 165001	7.4	38
224	The shape of the radio wavefront of extensive air showers as measured with LOFAR. <i>Astroparticle Physics</i> , 2015 , 61, 22-31	2.4	37

223	Measuring a Cherenkov ring in the radio emission from air showers at 110–190 MHz with LOFAR. <i>Astroparticle Physics</i> , 2015 , 65, 11-21	2.4	37
222	Improved flux limits for neutrinos with energies above 10(22) eV from observations with the Westerbork Synthesis Radio Telescope. <i>Physical Review Letters</i> , 2009 , 103, 191301	7.4	36
221	M1 transition strengths in the neutron-proton interacting boson model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 144, 1-4	4.2	35
220	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> , 2014 , 767, 339-346	1.2	34
219	Calibrating the absolute amplitude scale for air showers measured at LOFAR. <i>Journal of Instrumentation</i> , 2015 , 10, P11005-P11005	1	34
218	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. <i>Astroparticle Physics</i> , 2009 , 32, 89-99	2.4	33
217	Pion and photon induced reactions on the nucleon in a unitary model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 13-19	4.2	33
216	The promethium isotopes in the interacting boson-fermion model. <i>Nuclear Physics A</i> , 1984 , 424, 221-238	1.3	33
215	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2016 , 11, P02012-P02012	1	32
214	Pion and photon couplings of resonances from scattering on the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 438, 1-8	4.2	31
213	High-Precision Proton-Proton Bremsstrahlung Measurements below the Pion-Production Threshold. <i>Physical Review Letters</i> , 1999 , 83, 4017-4020	7.4	30
212	A calculation of low-lying collective states in even-even nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979 , 89, 1-4	4.2	30
211	On the effective number of bosons in the interacting boson model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 127, 144-146	4.2	30
210	The N=82 isotones in the generalized seniority scheme. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 125, 113-115	4.2	29
209	The radio emission pattern of air showers as measured with LOFAR tool for the reconstruction of the energy and the shower maximum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 018-018	6.4	28
208	Constraints on the flux of ultra-high energy neutrinos from Westerbork Synthesis Radio Telescope observations. <i>Astronomy and Astrophysics</i> , 2010 , 521, A47	5.1	28
207	Proton-proton bremsstrahlung and the off-shell behavior of the NN interaction. <i>Nuclear Physics A</i> , 1995 , 582, 568-602	1.3	28
206	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> , 2012 , 662, S179-S186	1.2	27

205	High-energy-resolution inelastic electron and proton scattering and the multiphonon nature of mixed-symmetry 2^+ states in ^{94}Mo . <i>Physical Review Letters</i> , 2007 , 99, 092503	7.4	27
204	Associated photoproduction of K^+ mesons off protons within a coupled-channels K-matrix approach. <i>Physical Review C</i> , 2010 , 81,	2.7	26
203	The Δ isobar and proton-proton bremsstrahlung. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 333, 1-6	4.2	26
202	Positive- and negative-parity yrast bands in the transitional nucleide ^{150}Sm and the interacting boson approximation. <i>Nuclear Physics A</i> , 1977 , 291, 365-385	1.3	25
201	Dilepton production in nucleon-nucleon collisions and the low-energy theorem. <i>Nuclear Physics A</i> , 1995 , 581, 493-511	1.3	24
200	Magnetic dipole transitions in deformed even-even nuclei. <i>Nuclear Physics A</i> , 1987 , 469, 173-182	1.3	24
199	Shell-Model Study of the (p, n) Reactions in the $f_{7/2}$ -Shell Region. <i>Physical Review Letters</i> , 1983 , 51, 1952-1954	1.4	24
198	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014 , 789, 160	4.7	23
197	Dynamical effects in proton-proton bremsstrahlung for non-coplanar geometries. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 476, 9-14	4.2	23
196	Compton scattering in a unitary approach with causality constraints. <i>Nuclear Physics A</i> , 2000 , 677, 396-422	2.3	23
195	F-spin purity of 2^+ states in even-even nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 312, 372-376	4.2	23
194	$M3$ transitions in the interacting boson model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 149, 279-282	4.2	23
193	Relation between the interacting boson-fermion approximation model and dynamical boson-fermion symmetries. <i>Physical Review C</i> , 1985 , 32, 591-601	2.7	23
192	The air shower maximum probed by Cherenkov effects from radio emission. <i>Astroparticle Physics</i> , 2013 , 45, 23-27	2.4	22
191	Two neutron transfer in samarium isotopes and IBA model predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979 , 85, 215-218	4.2	22
190	Microscopic calculation of the parameters of the interacting Bose-Fermi Approximation for nondegenerate orbits. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 120, 9-13	4.2	22
189	Coupled-channel analysis for π^+ photoproduction with ^{152}O . <i>Physical Review C</i> , 2009 , 80,	2.7	21
188	Relativistic description of proton-proton bremsstrahlung. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 402, 7-12	4.2	21

187	Nuclear compression modulus and isotope shifts of Pb nuclei. <i>Nuclear Physics A</i> , 1987 , 474, 155-172	1.3	21
186	Multilevel description of the Rh isotopes in the interacting boson-fermion model. <i>Nuclear Physics A</i> , 1985 , 438, 15-28	1.3	21
185	Neutron pickup reactions on the even palladium isotopes and the deeply bound hole-state excitation. <i>Nuclear Physics A</i> , 1980 , 348, 301-320	1.3	21
184	Measurement of the circular polarization in radio emission from extensive air showers confirms emission mechanisms. <i>Physical Review D</i> , 2016 , 94,	4.9	20
183	Effects of relativity in proton-proton bremsstrahlung. <i>Physical Review C</i> , 1997 , 56, 2945-2962	2.7	20
182	Low-energy theorems for virtual nucleon-nucleon bremsstrahlung; formalism and results. <i>Nuclear Physics A</i> , 1996 , 602, 423-448	1.3	20
181	Mixed-symmetry interpretation of some low-lying bands in deformed nuclei. <i>Physical Review C</i> , 1985 , 32, 1729-1734	2.7	20
180	Excitation of the Giant-Resonance Continuum with Intermediate-Energy Protons. <i>Physical Review Letters</i> , 1982 , 48, 789-791	7.4	20
179	Isovector properties of collective states and the IBA-2 model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 132, 51-55	4.2	20
178	Production of a cascade hyperon in the K^-p interaction. <i>Physical Review C</i> , 2011 , 84,	2.7	19
177	Dressing the nucleon in a dispersion approach. <i>Physical Review C</i> , 2000 , 62,	2.7	19
176	Meson exchange and Δ isobar currents in proton-proton bremsstrahlung. <i>Physical Review C</i> , 1998 , 58, 686-698	2.7	19
175	Core polarization effects on transition densities in medium-heavy nuclei. <i>Nuclear Physics A</i> , 1987 , 462, 1-25	1.3	19
174	New coupling scheme in the interacting boson-fermion model: O(6) spectra in odd-A nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980 , 91, 189-191	4.2	19
173	A test of the interacting boson fermion model and its microscopic basis in transitional Tc and Ag nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981 , 106, 439-442	4.2	19
172	A pseudo-spin symmetry in the IBFA model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982 , 108, 155-156	4.2	19
171	High-precision proton-proton bremsstrahlung measurements at 190MeV. <i>Physical Review C</i> , 2004 , 70,	2.7	18
170	Magnetic dipole strength distribution at high excitation energies in deformed nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 220, 351-355	4.2	18

169	An interpretation of Casimir operators of the U(612) group. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 142, 315-318	4.2	17
168	The cosmic-ray air-shower signal in Askaryan radio detectors. <i>Astroparticle Physics</i> , 2016 , 74, 96-104	2.4	16
167	Limit on the ultrahigh-energy cosmic-ray flux with the Westerbork synthesis radio telescope. <i>Physical Review D</i> , 2010 , 82,	4.9	16
166	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> , 2009 , 604, S24-S26	1.2	16
165	Design and sensitivity of the Radio Neutrino Observatory in Greenland (RNO-G). <i>Journal of Instrumentation</i> , 2021 , 16, P03025	1	16
164	Radio Emission Reveals Inner Meter-Scale Structure of Negative Lightning Leader Steps. <i>Physical Review Letters</i> , 2020 , 124, 105101	7.4	15
163	Electromagnetic off-shell effects in proton-proton bremsstrahlung. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 20-26	4.2	15
162	Patterns of the ground states in the presence of random interactions: Nucleon systems. <i>Physical Review C</i> , 2004 , 70,	2.7	15
161	Final state interactions and y-scaling in inclusive electron scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 233, 31-36	4.2	15
160	Influence of atmospheric electric fields on the radio emission from extensive air showers. <i>Physical Review D</i> , 2016 , 93,	4.9	14
159	Measurement of the cosmic-ray energy spectrum above 10^{16} eV with the LOFAR Radboud Air Shower Array. <i>Astroparticle Physics</i> , 2016 , 73, 34-43	2.4	14
158	First results of the NuMoon experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 604, S102-S105	1.2	14
157	Compressibility of nuclei in relativistic mean field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 269, 1-5	4.2	14
156	Coriolis coupling in the interacting boson fermion model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 185, 259-264	4.2	14
155	The effect of the atmospheric refractive index on the radio signal of extensive air showers. <i>Astroparticle Physics</i> , 2017 , 89, 23-29	2.4	13
154	Magnetic dipole properties in the SU(3) limit of IBA-2 with L=0, 2 and 4 bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 187, 205-209	4.2	13
153	E4 properties in deformed nuclei and the sdg interacting boson model. <i>Physical Review C</i> , 1988 , 38, 1638-1648	2.7	13
152	Coulomb excitation of $^{144,146,148,150}\text{Nd}$. <i>Physical Review C</i> , 1988 , 37, 1836-1839	2.7	13

151	The U(5) \rightarrow O(6) transition in the supersymmetry scheme and its application to the odd-A Rh isotopes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 149, 26-30	4.2	13
150	LOFAR Lightning Imaging: Mapping Lightning With Nanosecond Precision. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 2861-2876	4.4	12
149	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> , 2012 , 662, S175-S178	1.2	12
148	Low-energy Compton scattering on the nucleon and sum rules. <i>Physical Review C</i> , 2002 , 65,	2.7	12
147	Q 2-Dependence of the Drell-Hearn-Gerasimov integral. <i>European Physical Journal A</i> , 1999 , 6, 211-214	2.5	12
146	Mass dependence of effective charges in the interacting-boson model. <i>Physical Review C</i> , 1986 , 34, 1962-1964	2.7	12
145	Shell-model calculations with a skyrme-type effective interaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 159, 228-232	4.2	12
144	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> , 2012 , 664, 171-185	1.2	11
143	Cross sections and electromagnetic response functions for radiative proton capture in $pd \rightarrow 3He + e + e$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 481, 171-176	4.2	11
142	Shell-model evidence for the exchange term in the interacting-boson-fermion Hamiltonian. <i>Physical Review C</i> , 1987 , 35, 328-332	2.7	11
141	Deformed odd-odd 180,182,184Re isotopes in the interacting-boson model. <i>Physical Review C</i> , 1988 , 37, 2834-2851	2.7	11
140	Double beta decay in the interacting boson approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 161, 13-17	4.2	11
139	Inelastic proton scattering as a test of the new collective-"current" M1 mode in deformed nuclei. <i>Physical Review Letters</i> , 1985 , 54, 881-884	7.4	11
138	The effective quadrupole force between like IBA-bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982 , 119, 5-6	4.2	11
137	The Initial Stage of Cloud Lightning Imaged in High-Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033126	4.4	11
136	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> , 2019 , 124, 7255-7269	4.4	10
135	Coherent radiation from extensive air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 662, S80-S84	1.2	10
134	Lepton-pair production in virtual Compton scattering off the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 402, 1-6	4.2	10

133	Channel coupling effects in π -meson photoproduction. <i>Physical Review C</i> , 2006 , 74,	2.7	10
132	Consistent off-shell $\pi\pi N$ vertex and nucleon self-energy. <i>Physical Review C</i> , 1999 , 59, 1070-1080	2.7	10
131	Band structure of odd-A rubidium isotopes in the interacting boson fermion model. <i>Physical Review C</i> , 1980 , 22, 1738-1743	2.7	10
130	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. <i>European Physical Journal C</i> , 2015 , 75, 269	4.2	9
129	A description of odd mass Xe and Te isotopes in the Interacting Boson-Fermion Model. <i>Nuclear Physics A</i> , 2014 , 927, 91-109	1.3	9
128	Dilepton production from virtual bremsstrahlung induced by proton capture. <i>Nuclear Physics A</i> , 1994 , 574, 643-658	1.3	9
127	Distribution of collective magnetic multipole strength as a measure of neutron-proton symmetry breaking. <i>Physical Review Letters</i> , 1985 , 55, 1866-1869	7.4	9
126	Thunderstorm electric fields probed by extensive air showers through their polarized radio emission. <i>Physical Review D</i> , 2017 , 95,	4.9	8
125	Analytic calculation of radio emission from parametrized extensive air showers: A tool to extract shower parameters. <i>Physical Review D</i> , 2018 , 97,	4.9	8
124	LOFAR - A new experiment to record radio emission from cosmic particles. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009 , 196, 289-292		8
123	Kinematical constraints in fermion-antifermion systems. <i>Physical Review D</i> , 2011 , 84,	4.9	8
122	Covariant model for proton-proton bremsstrahlung: Comparison with high-precision data. <i>Physical Review C</i> , 2002 , 65,	2.7	8
121	First Determination of the Nucleon-Nucleon Response Functions in the Timelike Region. <i>Physical Review Letters</i> , 1999 , 83, 2530-2533	7.4	8
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