

Magda Ericson

List of Publications by Year in descending order

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133
papers

4,410
citations

172457

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110387

64
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135
all docs

135
docs citations

135
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of low-energy pions in nuclei. <i>Annals of Physics</i> , 1966, 36, 323-362.	2.8	659
2	Pionic corrections and the EMC enhancement of the sea in iron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 128, 112-116.	4.1	294
3	Unified approach for nucleon knock-out and coherent and incoherent pion production in neutrino interactions with nuclei. <i>Physical Review C</i> , 2009, 80, .	2.9	289
4	Pionic field and renormalization of the axial coupling constant in nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1973, 45, 19-22.	4.1	207
5	Neutrino and antineutrino quasielastic interactions with nuclei. <i>Physical Review C</i> , 2010, 81, .	2.9	191
6	The role of two particle-two hole excitations in the spin-isospin nuclear response. <i>Annals of Physics</i> , 1984, 154, 356-395.	2.8	172
7	Quenching and hardening in the transverse quasi-elastic peak. <i>Nuclear Physics A</i> , 1982, 379, 429-448.	1.5	168
8	Axial polarizability and weak currents in nuclei. <i>Annals of Physics</i> , 1976, 102, 273-322.	2.8	140
9	Neutrino quasielastic interaction and nuclear dynamics. <i>Physical Review C</i> , 2011, 84, .	2.9	128
10	Nuclear critical opalescence, a precursor to pion condensation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1978, 76, 182-186.	4.1	98
11	Neutrino energy reconstruction problems and neutrino oscillations. <i>Physical Review D</i> , 2012, 85, .	4.7	96
12	Two-nucleon induced $\hat{1}$ decay in nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 256, 134-140.	4.1	89
13	Critical opalescence of the nuclear pion field: A possible evidence in the M1 (15.11 MeV) form factor of ^{12}C . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 89, 327-332.	4.1	81
14	Quasielastic and multinucleon excitations in antineutrino-nucleus interactions. <i>Physical Review C</i> , 2013, 87, .	2.9	70
15	Axial vector nuclear sum rules and exchange effects. <i>Annals of Physics</i> , 1971, 63, 562-576.	2.8	68
16	Energy reconstruction effects in neutrino oscillation experiments and implications for the analysis. <i>Physical Review D</i> , 2013, 87, .	4.7	68
17	Precursor of pion condensation: The softening of the quasi-elastic peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 92, 153-159.	4.1	63
18	High energy spin-isospin modes in nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 141, 163-169.	4.1	54

#	ARTICLE	IF	CITATIONS
19	Electron-neutrino scattering off nuclei from two different theoretical perspectives. <i>Physical Review C</i> , 2016, 94, .	2.9	54
20	Evidence for an enhanced nuclear sea from the proton-nucleus Drell-Yan process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 148, 191-193.	4.1	53
21	Inclusive charge longitudinal response in finite nuclei. <i>Nuclear Physics A</i> , 1987, 462, 269-289.	1.5	51
22	To condense or not to condense? That is the question. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 291, 379-384.	4.1	47
23	Sum rules for two-particle operators and double beta decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 212, 259-263.	4.1	42
24	Nuclear effects in neutrino-nucleus interactions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 451, 76-80.	1.6	41
25	Radiative pion capture and axial currents in nuclei. <i>Nuclear Physics B</i> , 1967, 3, 609-615.	2.5	40
26	From soft to real pions in nuclear physics. <i>Physics Reports</i> , 1972, 5, 58-124.	25.6	36
27	Testing the meson cloud in the nucleon in Drell-Yan processes. <i>Nuclear Physics A</i> , 1996, 596, 397-414.	1.5	33
28	On the nuclear isovector spin response in the quasielastic peak region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 156, 291-295.	4.1	30
29	Compton scattering and pion number in nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 188, 11-16.	4.1	30
30	Exploration of the spin-isospin nuclear response function by neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 156, 263-266.	4.1	27
31	Reaction of the nuclear medium against chiral symmetry restoration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 301, 11-14.	4.1	27
32	Quark condensate in the nuclear medium. <i>Nuclear Physics A</i> , 1993, 556, 427-438.	1.5	27
33	Chiral Lagrangians and quark condensate in nuclei. <i>Nuclear Physics A</i> , 1996, 603, 239-256.	1.5	27
34	Inclusive and pion production neutrino-nucleus cross sections. <i>Physical Review C</i> , 2014, 90, .	2.9	27
35	Pauli principle and renormalization of the pion nucleon interaction in nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1976, 60, 451-455.	4.1	26
36	Chiral symmetry and quantum hadrodynamics. <i>Physical Review C</i> , 2001, 63, .	2.9	26

#	ARTICLE	IF	CITATIONS
37	From soft to real pions in nuclei and extended systems. Nuclear Physics B, 1969, 10, 501-515.	2.5	25
38	Nuclear spin/isospin response functions. Progress in Particle and Nuclear Physics, 1984, 11, 277-323.	14.4	25
39	Connection between radiative pion capture and axial current in nuclei. Nuclear Physics B, 1969, 11, 621-633.	2.5	24
40	The \vec{J}_f -commutator term from \vec{E} -nuclear scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1971, 36, 93-97.	4.1	24
41	Peculiarities of the Pion-Nuclear Interaction. Physical Review Letters, 1969, 22, 1189-1191.	7.8	23
42	Random phase approximation spin-isospin nuclear response in the deep inelastic region. Physical Review C, 1986, 34, 977-990.	2.9	23
43	Spin-isospin nuclear responses with hadronic probes. Physical Review C, 1988, 38, 109-119.	2.9	23
44	Chiral symmetry restoration and parity mixing. Nuclear Physics A, 1998, 637, 421-432.	1.5	23
45	Photonuclear reactions and dispersion relations. Zeitschrift für Physik A, 1985, 320, 675-682.	1.4	22
46	Absorption of \vec{E} -Mesons by ^3He . Nuclear Physics B, 1969, 10, 349-367.	2.5	21
47	Study of the (\vec{E}, e^+) reaction mediated by Majorana neutrinos. Nuclear Physics B, 1982, 195, 262-284.	2.5	19
48	Sum rule approach to the nuclear response in the isovector spin channel. Nuclear Physics A, 1982, 386, 412-428.	1.5	18
49	High energy Gamow-Teller strength in double beta decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 259-263.	4.1	18
50	The quark condensate at finite temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 673-678.	4.1	18
51	Neutrino versus antineutrino cross sections and $\langle \text{CP violation} \rangle$. Physical Review C, 2015, 91, .	2.9	18
52	QCD susceptibilities and nuclear matter saturation in a chiral theory: Inclusion of pion loops. Physical Review C, 2007, 75, .	2.9	17
53	Microscopic description of radiative pion capture in nuclei. Nuclear Physics A, 1975, 240, 493-520.	1.5	16
54	Assessing the role of nuclear effects in the interpretation of the MiniBooNE low-energy anomaly. Physical Review D, 2016, 93, .	4.7	16

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55	Quark spin-isospin sum rules and the adler-weisberger relation in nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 115, 86-90.	4.1	15
56	Neutrino reactions and nuclear shadow. Nuclear Physics A, 1990, 518, 116-128.	1.5	15
57	s-wave pion-nucleus interaction and weak coupling constants. Physical Review C, 1994, 49, R1763-R1767.	2.9	15
58	QCD susceptibilities and nuclear-matter saturation in a relativistic chiral theory. European Physical Journal A, 2005, 25, 151-157.	2.5	15
59	Influence of high π -N partial waves on energy-levels of π -mesic atoms. Nuclear Physics B, 1967, 1, 382-388.	2.5	14
60	Nuclear critical opalescence. Nuclear Physics A, 1980, 335, 309-314.	1.5	14
61	Spin-dependent isoscalar response functions and interpretation of polarization-transfer measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 179, 201-206.	4.1	14
62	Spin-isospin surface responses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 183, 135-140.	4.1	14
63	Pion field and weak interactions in nuclei. Progress in Particle and Nuclear Physics, 1978, 1, 67-104.	14.4	13
64	Long-range NN interaction and axial polarizability. Nuclear Physics A, 1978, 294, 417-434.	1.5	13
65	In-medium modification of the isovector pion-nucleon amplitude. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 563, 61-67.	4.1	13
66	Two-pion production processes, chiral symmetry and NN interaction in the medium. European Physical Journal A, 2006, 27, 191-198.	2.5	13
67	Gamow-Teller strength near the pion threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 120, 285-288.	4.1	12
68	Coherent photoproduction of neutral pions in nuclei as a detector of nuclear pionic modes. Nuclear Physics A, 1993, 555, 237-248.	1.5	12
69	Pion and neutron production by cosmic-ray muons underground. Physical Review C, 1995, 52, 2222-2230.	2.9	12
70	Scalar susceptibility and chiral symmetry restoration in nuclei. Physical Review C, 2003, 68, .	2.9	12
71	Proton and neutron contributions to the charge longitudinal response. Nuclear Physics A, 1987, 475, 233-246.	1.5	11
72	Quasi-elastic delta excitation in the charge response of the nucleus. Nuclear Physics A, 1993, 556, 439-452.	1.5	11

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73	Fluctuations of the quark densities in nuclei. European Physical Journal A, 2003, 16, 291-297.	2.5	11
74	The axial polarisability of nucleons and nuclei. Journal of Physics G: Nuclear Physics, 1981, 7, 1197-1202.	0.8	10
75	Unifying photon and pion absorption. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 307-314.	4.1	10
76	PION DECAY CONSTANT AND THE GELL-MANN-OAKES-RENNER RELATION IN NUCLEI. Modern Physics Letters A, 1994, 09, 279-287.	1.2	10
77	Pion number and correlator mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 455, 39-44.	4.1	10
78	Mean-field approach to reconstructed neutrino energy distributions in accelerator-based experiments. Physical Review C, 2018, 98, .	2.9	10
79	Containment of Plasmas by High-Frequency Electric Fields. Journal of Applied Physics, 1962, 33, 2429-2434.	2.5	9
80	π^{\pm} - ^4He scattering and the pion electromagnetic form factor. Il Nuovo Cimento A, 1967, 47, 49-56.	0.2	9
81	A consistent treatment of medium effects on hypernuclear pi-mesonic decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 237, 169-174.	4.1	9
82	Difference of total cross sections for π^{\pm} on ^9Be and the π - ^9Be effective coupling constant. Nuclear Physics A, 1975, 241, 487-492.	1.5	8
83	Interpretation of the polarization transfer measurement in the $(p,p\pi^2)$ reaction on $\text{Pb}208$. Physical Review C, 1984, 30, 1776-1778.	2.9	8
84	Constraints on nuclear-matter properties from QCD susceptibilities. European Physical Journal A, 2007, 34, 215-222.	2.5	8
85	Muon capture rate in ^6Li and the PCAC hypothesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1970, 32, 443-444.	4.1	7
86	Correlator mixing and mass reduction as signals of chiral symmetry restoration. Physical Review C, 2000, 61, .	2.9	7
87	Scalar fields in nuclear matter: The roles of spontaneous chiral symmetry breaking and nucleon structure. Physical Review C, 2011, 83, .	2.9	7
88	The electromagnetic polarizability and the swelling of nucleons in the nucleus. Zeitschrift für Physik A, Atomic Nuclei, 1986, 324, 373-379.	0.3	6
89	The $\hat{\Gamma}^{\pi}$ in the nuclear quasi-elastic peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 233, 37-42.	4.1	6
90	A new mode for $\hat{\Gamma}$ decay in nuclei. Nuclear Physics A, 1992, 547, 127-132.	1.5	6

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91	Nuclear modification of transverse-longitudinal structure function ratio. Physical Review C, 2003, 67, .	2.9	6
92	Extension of the Beg-Agassi-Gal theorem to virtual particles. Physical Review C, 1985, 31, 1582-1585.	2.9	5
93	Nuclear correlation effects in neutrino-oxygen interactions and the atmospheric neutrino anomaly. Nuclear Physics A, 2000, 663-664, 783c-786c.	1.5	5
94	Photonuclear dispersion relation and corrections to the nucleon polarizability in nuclei. Il Nuovo Cimento A, 1983, 76, 180-185.	0.2	4
95	The semi-classical approach to the exclusive electron scattering. Nuclear Physics A, 1998, 634, 233-263.	1.5	4
96	Multinucleon excitations in neutrino-nucleus scattering: connecting different microscopic models for the correlations. European Physical Journal: Special Topics, 2021, 230, 4357-4372.	2.6	4
97	Lorentz-Lorenz quenching for the Gamow-Teller sum rule. Journal of Physics G: Nuclear Physics, 1985, 11, 343-349.	0.8	3
98	Scalar field and QCD constraints in Nuclear Physics. AIP Conference Proceedings, 2008, , .	0.4	3
99	The s-wave \bar{K} -nucleus interaction and the (p,n) puzzle. Nuclear Physics A, 1994, 577, 147-152.	1.5	2
100	Quark condensate in the deuteron. Physical Review C, 2000, 61, .	2.9	2
101	\hat{I}^3 production in neutrino interactions with nuclei. Physical Review C, 2021, 104, .	2.9	2
102	Nuclear axial polarizability and the $\hat{I}^{\pm} + \hat{I}^{\pm}$ interaction. Nuclear Physics A, 1981, 372, 377-385.	1.5	1
103	The effects of pion-exchange corrections on the $2\nu \hat{I}^2 \hat{I}^2$ decay nuclear matrix elements. Nuclear Physics A, 1989, 495, 602-610.	1.5	1
104	Role of the \hat{I}^{\pm} isobar in the longitudinal response. Nuclear Physics A, 1989, 497, 371-377.	1.5	1
105	Possible way out of the (p,n) puzzle. Physical Review C, 1994, 49, R2293-R2296.	2.9	1
106	Spin-Isospin Response Functions in Nuclei. , 1984, , 27-46.		1
107	Electromagnetic Interactions in Nuclei, Pion Number and the EMC Effect. NATO ASI Series Series B: Physics, 1986, , 163-189.	0.2	1
108	The EMC Effect and the Swelling of Nucleons in Nuclei. , 1986, , 382-392.		1

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109	Chiral restoration and the extended photoabsorption sum rule in nuclei. <i>Il Nuovo Cimento A</i> , 1998, 111, 75-83.	0.1	1
110	Axial polarizability and weak currents in nuclei. <i>Journal of Physics G: Nuclear Physics</i> , 1977, 3, 173-181.	0.8	0
111	Proton-neutron correlations and the longitudinal nuclear response. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1988, 331, 369-374.	0.3	0
112	Manifestation of chiral symmetry restoration in a dense medium. <i>Nuclear Physics A</i> , 1999, 654, 483c-486c.	1.5	0
113	Manifestations of chiral symmetry restoration in photon reactions. <i>Nuclear Physics A</i> , 2000, 663-664, 369c-372c.	1.5	0
114	Pion scalar density and chiral symmetry restoration at finite temperature and density. <i>European Physical Journal A</i> , 2000, 8, 283-289.	2.5	0
115	Mass reduction as signal of chiral symmetry restoration. <i>Nuclear Physics A</i> , 2001, 680, 250-253.	1.5	0
116	Role of mesons in chiral symmetry restoration and associated signals. <i>Nuclear Physics A</i> , 2001, 690, 110-118.	1.5	0
117	Scalar and pseudoscalar QCD susceptibilities in nuclei. <i>European Physical Journal A</i> , 2003, 18, 463-466.	2.5	0
118	Scalar and Pseudoscalar Susceptibilities in Nuclei. <i>Progress of Theoretical Physics Supplement</i> , 2003, 149, 121-129.	0.1	0
119	QCD Susceptibilities, Nuclear Saturation and Two-Pion Processes. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 27, 151-158.	0.4	0
120	From QCD to Nuclear Matter Saturation. <i>Progress of Theoretical Physics Supplement</i> , 2007, 168, 486-494.	0.1	0
121	Chiral symmetry, confinement and nuclear matter properties. <i>European Physical Journal: Special Topics</i> , 2008, 156, 199-206.	2.6	0
122	Neutrino interactions with nuclei. , 2009, , .		0
123	Proton decay and nuclear dynamics. <i>Physical Review C</i> , 2010, 81, .	2.9	0
124	Scalar response of the nucleon, chiral symmetry and nuclear matter properties. , 2010, , .		0
125	Chiral symmetry, scalar field and confinement: from nucleon structure to nuclear matter. , 2010, , .		0
126	Neutrino energy reconstruction problems and neutrino oscillations. , 2013, , .		0

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127	Neutrino-nucleus interactions: from nuclear dynamics to neutrino oscillations. EPJ Web of Conferences, 2014, 66, 08004.	0.3	0
128	Scalar and pseudoscalar QCD susceptibilities in nuclei. , 2003, , 463-466.		0
129	The Electromagnetic Properties of the Nucleon in the Nucleus and EMC Effect. Progress of Theoretical Physics Supplement, 2013, 91, 235-243.	0.1	0
130	Soft and Real Pions in Nuclei. , 1970, , 825-831.		0
131	Axial Vector Nuclear Sum Rules and Exchange Effects. , 1972, , 562-576.		0
132	Lorentz-Lorenz Quenching for the Gamow-Teller Sum Rules. , 1984, , 201-204.		0
133	RECENT ASPECTS OF THE NUCLEAR SPIN ISOSPIN RESPONSE FUNCTION. Journal De Physique Colloque, 1984, 45, C4-489-C4-501.	0.2	0