

Carlotta Giusti

List of Publications by Year in descending order

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120
papers

2,879
citations

136950

32
h-index

197818

49
g-index

121
all docs

121
docs citations

121
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear response in electromagnetic interactions with complex nuclei. <i>Physics Reports</i> , 1993, 226, 1-101.	25.6	193
2	Electron distortion in quasifree ($e, e^{\prime 2}p$) reactions. <i>Nuclear Physics A</i> , 1987, 473, 717-735.	1.5	112
3	Effect of the Nuclear Medium on the Proton Investigated with the Reaction $C^{12}(e, e^{\prime 2}p)B^{11}$. <i>Physical Review Letters</i> , 1986, 57, 182-185.	7.8	100
4	Relativistic Green's function approach to charged-current neutrino-nucleus quasielastic scattering. <i>Nuclear Physics A</i> , 2004, 739, 277-290.	1.5	94
5	The influence of bound state and optical potentials on $1p$ momentum distributions obtained from ^{12}C and $^{16}O(e, e^{\prime}p)$ reactions. <i>Nuclear Physics A</i> , 1982, 375, 381-404.	1.5	89
6	Bound-nucleon response functions from the reaction $Ca^{40}(e, e^{\prime}p)K^{39}$ and nuclear-medium effects. <i>Physical Review Letters</i> , 1988, 60, 776-779.	7.8	71
7	Separation of structure functions and electron distortion in quasifree ($e, e^{\prime 2}p$) reactions. <i>Nuclear Physics A</i> , 1988, 485, 461-480.	1.5	67
8	Signatures for Short-Range Correlations in O^{16} Observed in the Reaction $O^{16}(e, e^{\prime 2}pp)C^{14}$. <i>Physical Review Letters</i> , 1998, 81, 2213-2216.	7.8	67
9	Direct mechanism in medium energy ($\hat{1}^3, p_0$) reactions. <i>Nuclear Physics A</i> , 1981, 359, 91-108.	1.5	65
10	Nuclear-density dependence of the electron-proton coupling. <i>Physical Review Letters</i> , 1987, 58, 1727-1730.	7.8	64
11	Neutral-current neutrino-nucleus quasielastic scattering. <i>Nuclear Physics A</i> , 2004, 744, 307-322.	1.5	62
12	Orthogonality and the Perey factor in knockout reactions induced by electromagnetic probes. <i>Nuclear Physics A</i> , 1982, 379, 509-522.	1.5	60
13	Validity of the factorized DWIA in ($e, e^{\prime 2}p$) reactions. <i>Nuclear Physics A</i> , 1979, 319, 461-476.	1.5	59
14	Structure functions in quasi-free ($e, e^{\prime}p$) reactions. <i>Nuclear Physics A</i> , 1982, 386, 599-616.	1.5	57
15	Inclusive electron scattering in a relativistic Green's function approach. <i>Physical Review C</i> , 2003, 67, .	2.9	57
16	Evidence for short-range correlations in ^{16}O . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 474, 33-40.	4.1	54
17	Final-state interaction in electromagnetic response functions. <i>Nuclear Physics A</i> , 1991, 524, 681-705.	1.5	52
18	Relativistic Descriptions of Final-State Interactions in Charged-Current Quasielastic Neutrino-Nucleus Scattering at MiniBooNE Kinematics. <i>Physical Review Letters</i> , 2011, 107, 172501.	7.8	51

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19	Electron-nucleon interaction in quasi-free scattering. Nuclear Physics A, 1980, 336, 427-436.	1.5	49
20	Electron-nucleon interaction in quasi-free scattering. Nuclear Physics A, 1980, 336, 416-426.	1.5	49
21	Spin-orbit distortion of the emerging nucleon in quasi-free electron scattering. Nuclear Physics A, 1980, 336, 437-445.	1.5	49
22	Two-proton emission induced by electron scattering. Nuclear Physics A, 1991, 535, 573-591.	1.5	49
23	Relativistic corrections in $(e, e\epsilon^2 p)$ knockout reactions. Physical Review C, 2001, 64, .	2.9	49
24	Selectivity of the $^{16}\text{O}(e, e\epsilon^2 pp)$ reaction to discrete final states. Physical Review C, 1998, 57, 1691-1702.	2.9	43
25	Neutrino \hat{e} nucleus quasi-elastic scattering and strange quark effects. Nuclear Physics A, 2006, 773, 250-262.	1.5	43
26	Two-proton emission induced by real and virtual photons. Nuclear Physics A, 1992, 546, 607-621.	1.5	37
27	Relativistic descriptions of inclusive quasielastic electron scattering: Application to scaling and superscaling ideas. Physical Review C, 2009, 80, .	2.9	37
28	Relativistic descriptions of final-state interactions in charged-current quasielastic antineutrino-nucleus scattering at MiniBooNE kinematics. Physical Review D, 2012, 85, .	4.7	37
29	Structure functions in nucleon emission by polarized electrons. Nuclear Physics A, 1985, 435, 697-707.	1.5	36
30	Orthogonality, antisymmetry and c.m. effects in direct photoreactions. Nuclear Physics A, 1984, 420, 38-50.	1.5	35
31	Short-Range Nucleon-Nucleon Correlations Investigated with the Reaction $^{12}\text{C}(e, e\epsilon^2 pp)$. Physical Review Letters, 1995, 74, 1712-1715.	7.8	35
32	Relativistic descriptions of final-state interactions in neutral-current neutrino-nucleus scattering at MiniBooNE kinematics. Physical Review D, 2011, 84, .	4.7	35
33	Short-range and tensor correlations in the $^{16}\text{O}(e, e\epsilon^2 pn)$ reaction. Physical Review C, 1999, 60, .	2.9	31
34	Theoretical optical potential derived from nucleon-nucleon chiral potentials. Physical Review C, 2016, 93, .	2.9	29
35	Relativistic corrections in $(\hat{1}^3, N)$ knockout reactions. Physical Review C, 2001, 64, .	2.9	28
36	First measurement of the $\text{Ar}(e, e\epsilon^2 X)$ cross section at Jefferson Laboratory. Physical Review C, 2019, 99, .	2.9	27

#	ARTICLE	IF	CITATIONS
37	Complete determination of scattering amplitudes and nucleon polarization in electromagnetic knockout reactions. Nuclear Physics A, 1989, 504, 685-711.	1.5	26
38	Effects of nuclear correlations on the $O^{16}(e,e\epsilon^2 pN)$ reactions to discrete final states. Physical Review C, 2004, 70, .	2.9	26
39	First measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Ti} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \epsilon / \text{mml:mrow} \rangle$ cross section at Jefferson Lab. Physical Review C, 2018, 98, .	2.9	26
40	Dynamics of direct photoemission of proton-neutron pairs. Nuclear Physics A, 1993, 564, 473-490.	1.5	24
41	Quasi-free (e,N) reactions on polarized targets. Nuclear Physics A, 1988, 476, 617-636.	1.5	23
42	One- and two-nucleon knockout in electron scattering. Nuclear Physics A, 1994, 571, 694-712.	1.5	23
43	Elastic and quasi-elastic electron scattering off nuclei with neutron excess. Physical Review C, 2013, 87, .	2.9	23
44	Relativistic Green's function approach to parity-violating quasielastic electron scattering. Nuclear Physics A, 2005, 756, 359-381.	1.5	22
45	Relativistic description of final-state interactions in neutral-current neutrino and antineutrino cross sections. Physical Review C, 2013, 88, .	2.9	22
46	Charge exchange in the final state of direct (\hat{I}^3, n) reactions. Nuclear Physics A, 1985, 436, 438-444.	1.5	21
47	The $^{12}\text{C}(e, e\epsilon^2 p)$ and $^{12}\text{C}(e, e\epsilon^2 pp)$ reactions in the \hat{I}^3 -resonance region. Nuclear Physics A, 1995, 587, 697-720.	1.5	21
48	Relativistic descriptions of quasielastic charged-current neutrino-nucleus scattering: Application to scaling and superscaling ideas. Physical Review C, 2011, 83, .	2.9	21
49	Antisymmetrized Green's function approach to $(e, e\epsilon^2)$ reactions with a realistic nuclear density. Annals of Physics, 2005, 317, 492-529.	2.8	20
50	Exclusive $(e, e\epsilon^2 pp)$ knockout reactions. Nuclear Physics A, 1997, 615, 373-390.	1.5	19
51	Photon-induced two-nucleon knockout reactions to discrete final states. Nuclear Physics A, 1998, 641, 297-320.	1.5	19
52	Quasifree $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Tj} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \epsilon / \text{mml:mrow} \rangle$ reactions on nuclei with neutron excess. Physical Review C, 2011, 84, .	2.9	19
53	Meson exchange currents in a relativistic model for electromagnetic one nucleon emission. Physical Review C, 2002, 66, .	2.9	18
54	Charge exchange in final-state interactions of $(e, e\epsilon^2 pp)$ reactions. Nuclear Physics A, 1995, 585, 618-626.	1.5	17

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55	Overlap functions in correlation methods and quasifree nucleon knockout from ^{16}O . Physical Review C, 1999, 61, .	2.9	17
56	First measurements of the $^{16}\text{O}(e, e'pn)^{14}\text{N}$ reaction. European Physical Journal A, 2006, 29, 261-270.	2.5	17
57	Proton-nucleus elastic scattering: Comparison between phenomenological and microscopic optical potentials. Physical Review C, 2018, 98, .	2.9	17
58	Nucleon recoil polarization in electromagnetic quasi-free knockout including two-body currents. Nuclear Physics A, 1990, 518, 639-657.	1.5	16
59	Meson-exchange current effects in nucleon photoemission. Nuclear Physics A, 1994, 574, 716-730.	1.5	16
60	Impact of three-body forces on elastic nucleon-nucleus scattering observables. Physical Review C, 2021, 103, .	2.9	16
61	Spin effects in quasi-elastic neutrino-nucleus reactions. Physical Review C, 2008, 77, .	2.9	15
62	Elastic and quasi-elastic electron scattering on the $N=14$, 20, and 28 isotonic chains. Physical Review C, 2014, 89, .	2.9	15
63	Optical potentials derived from nucleon-nucleon chiral potentials at $N=4$ and ^{14}O . Physical Review C, 2017, 96, .	2.9	14
64	Relativistic Green's function model in charged-current quasielastic neutrino and antineutrino scattering at MINERvA kinematics. Physical Review D, 2014, 89, .	4.7	13
65	On the NN final-state interaction in the $^{16}\text{O}(e, e'e^+pp)$ reaction. European Physical Journal A, 2003, 17, 7-10.	2.5	12
66	Mean-field calculations of the ground states of exotic nuclei. Physical Review C, 2012, 85, .	2.9	12
67	Final-state interaction effects in neutral-current neutrino and antineutrino cross sections at MiniBooNE kinematics. Physical Review D, 2014, 89, .	4.7	12
68	Relativistic Green's function model and charged-current inclusive neutrino-nucleus scattering at T2K kinematics. Physical Review D, 2015, 91, .	4.7	12
69	Multi-scattering effects in $(e, e'e^+p)$ knockout. Nuclear Physics A, 1997, 625, 513-520.	1.5	11
70	Relativistic descriptions of final-state interactions in charged-current neutrino-nucleus scattering at ArgoNeUT kinematics. Physical Review D, 2013, 88, .	4.7	11
71	NN final-state interaction in two-nucleon knockout from ^{16}O . European Physical Journal A, 2004, 20, 233-244.	2.5	10
72	Estimate of the theoretical uncertainty of the cross sections for nucleon knockout in neutral-current neutrino-oxygen interactions. Physical Review C, 2015, 92, .	2.9	10

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73	Meson exchange currents in electromagnetic one-nucleon emission. Physical Review C, 2003, 67, .	2.9	9
74	Comparison of the $^{12}\text{C}(e,e'e^2p)$ cross section at low momentum transfer with a relativistic calculation. Physical Review C, 2009, 80, .	2.9	9
75	Global relativistic folding optical potential and the relativistic Green's function model. Physical Review C, 2016, 94, .	2.9	9
76	Elastic proton scattering off nonzero spin nuclei. Physical Review C, 2022, 105, .	2.9	9
77	Generator coordinate method calculations of one-nucleon removal reactions on ^{40}Ca . Physical Review C, 2001, 64, .	2.9	8
78	Knockout of proton-neutron pairs from ^{16}O with electromagnetic probes. European Physical Journal A, 2010, 43, 137-143.	2.5	8
79	A sum rule approach to effective charges in electromagnetic knock-out reactions. Il Nuovo Cimento A, 1983, 76, 685-698.	0.2	7
80	On the treatment of the \hat{I}^n -contributions in electromagnetic pp-knockout reactions. European Physical Journal A, 2005, 26, 209-220.	2.5	7
81	Electromagnetic proton-neutron knockout off ^{16}O : New achievements in theory. European Physical Journal A, 2007, 33, 29-38.	2.5	7
82	Neutron density distribution and neutron skin thickness of ^{208}Pb . Physical Review C, 2014, 90, .	2.9	7
83	Neutral current quasielastic (anti)neutrino scattering beyond the Fermi gas model at MiniBooNE and BNL kinematics. Physical Review C, 2015, 91, .	2.9	7
84	Direct nucleon emission by polarized photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 98, 11-14.	4.1	6
85	Two-proton overlap functions in the Jastrow correlation method and cross section of the $^{16}\text{O}(e,e'e^2pp)^{14}\text{C}$ reaction. Physical Review C, 2003, 68, .	2.9	6
86	Neutral current neutrino-nucleus scattering: theory. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 024001.	3.6	6
87	Elastic Antiproton-Nucleus Scattering from Chiral Forces. Physical Review Letters, 2020, 124, 162501.	7.8	6
88	On the spectral function deduced from knock-out reactions. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1977, 20, 168-170.	0.4	5
89	Orbital rearrangement and energy sum rule. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1977, 19, 594-596.	0.4	5
90	Nucleon-current interaction in photonuclear reactions at intermediate energies. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1979, 26, 622-626.	0.4	5

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91	Jastrow-type calculations of one-nucleon removal reactions on open-shell nuclei. Physical Review C, 2002, 66, .	2.9	5
92	On medium-energy (\hat{I}^3 , p0) reactions at forward angles. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 32, 381-382.	0.4	4
93	Comparison of Monte Carlo simulation and direct multistep scattering theory in (e,e�p) nuclear reactions. Nuclear Physics A, 1999, 650, 199-212.	1.5	4
94	Center-of-mass effects in electromagnetic two-proton knockout reactions. European Physical Journal A, 2007, 31, 155-162.	2.5	4
95	Comment on "Medium-Modified Form Factors, Relativistic Dynamics, and the (e,e�p) Reaction". Physical Review Letters, 1988, 61, 1427-1427.	7.8	3
96	Charge-exchange and multi-scattering effects in (e,e�n) knockout. Nuclear Physics A, 1998, 634, 57-66.	1.5	3
97	Relativistic models for electron and neutrino-nucleus scattering. , 2009, , .		3
98	Models for quasielastic electron and neutrino-nucleus scattering. Journal of Physics: Conference Series, 2011, 336, 012025.	0.4	3
99	Relativistic models for quasielastic electron and neutrino-nucleus scattering. EPJ Web of Conferences, 2012, 38, 14004.	0.3	3
100	Polarization observables in (\hat{I}^3 , NN) reactions. European Physical Journal A, 2001, 12, 69-85.	2.5	2
101	Theoretical aspects of (e, e'NN) reactions. European Physical Journal A, 2003, 17, 419-421.	2.5	2
102	Electron-induced proton knockout from neutron rich nuclei. Journal of Physics: Conference Series, 2012, 366, 012019.	0.4	2
103	Differential cross section measurement of the $^{12}\text{C}(e,e\text{�}^{\text{TM}}\text{pp})^{10}\text{B}$ eg.s. reaction. European Physical Journal A, 2016, 52, 1.	2.5	2
104	Proton recoil polarization in exclusive(e,e�pp)reactions. Physical Review C, 2000, 61, .	2.9	1
105	Effects of nucleon correlations studied within the generator coordinate method. Nuclear Physics A, 2002, 699, 336-339.	1.5	1
106	ONE- AND TWO-NUCLEON STRUCTURE FROM GREEN'S FUNCTION THEORY. Modern Physics Letters A, 2010, 25, 1927-1930.	1.2	1
107	RELATIVISTIC APPROACH TO NEUTRINO-NUCLEUS QUASIELASTIC SCATTERING. , 2005, , .		1
108	Electric field in neutron stars. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1975, 14, 365-368.	0.4	0

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109	Ambiguities in the Hartree-Fock theory pointed out by an auxiliary potential. Il Nuovo Cimento A, 1978, 43, 42-52.	0.2	0
110	Direct nucleon emission by polarized photons. Nuclear Physics A, 1981, 358, 271-272.	1.5	0
111	Improvements in the interpretation of quasi free scattering coincidence experiments. Nuclear Physics A, 1981, 358, 371-372.	1.5	0
112	Polarization in electromagnetic two-nucleon emission. Nuclear Physics A, 2002, 699, 57-64.	1.5	0
113	The $(e, e\epsilon^2p)$ reaction on nuclei. Nuclear Physics, Section B, Proceedings Supplements, 2005, 139, 105-110.	0.4	0
114	Elastic and quasi-elastic electron scattering off isotopic and isotonic chains. Journal of Physics: Conference Series, 2014, 527, 012024.	0.4	0
115	Quasielastic scattering with the relativistic Green's function approach. AIP Conference Proceedings, 2015, , .	0.4	0
116	Chiral Nucleon-Nucleus Potentials at $N ³ LO$. Journal of Physics: Conference Series, 2018, 981, 012002.	0.4	0
117	Exotic atoms at extremely high magnetic fields: the case of neutron star atmosphere. EPJ Web of Conferences, 2018, 181, 01018.	0.3	0
118	Optical Potentials: Microscopic vs. Phenomenological Approaches. EPJ Web of Conferences, 2019, 223, 01015.	0.3	0
119	RELATIVISTIC APPROACH TO ONE NUCLEON KNOCKOUT REACTIONS. , 2003, , .		0
120	STRANGE QUARK EFFECTS IN ELECTRON AND NEUTRINO-NUCLEUS QUASI-ELASTIC SCATTERING. , 2007, , .		0