

Anthony A Cowley

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,373
citations

361413

20
h-index

377865

34
g-index

91
all docs

91
docs citations

91
times ranked

407
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of analyzing power to distorting potentials in the quasifree reaction $^{40}\text{Ca}(p, p^{\hat{\pm}})^{36}\text{Ca}$ at 100 MeV inc. Physical Review C, 2021, 103, .	2.9	1
2	Contribution to inclusive (p, \hat{p}^{\pm}) reactions from $(p, p^{\hat{\pm}})$ knockout at incident energies near 100 MeV. Physical Review C, 2021, 104, .	2.9	0
3	Occupation of shell model orbitals extracted from knockout reactions. Journal of Physics: Conference Series, 2020, 1555, 012022.	0.4	0
4	Simplistic distorted-wave Born approximation interpretation of the $^{11}\text{Li}(p, t)^9\text{Li}$ reaction. International Journal of Modern Physics E, 2019, 28, 1950050.	1.0	1
5	Reaction mechanism of proton-induced pre-equilibrium \hat{p}^{\pm} -particle emission from medium-mass nuclei at incident energies between 65 and 160 MeV. International Journal of Modern Physics E, 2018, 27, 1850091.	1.0	2
6	Proton-induced pre-equilibrium composite-particle emission. EPJ Web of Conferences, 2018, 194, 07001.	0.3	1
7	Influence of Nuclear Cluster Structure in Proton-Induced Pre-Equilibrium Composite Particle Emission. Journal of Physics: Conference Series, 2017, 863, 012034.	0.4	0
8	$^{59}\text{Co}(p, \hat{p}^{\pm})$ reaction at 100 MeV incident energy \hat{p}^{\pm} statistical multistep direct reaction into the continuum of outgoing energies. EPJ Web of Conferences, 2016, 107, 08005.	0.3	3
9	Predicted isotopic variation in surface clustering in Sn compared with ^{11}Li clustering in Sn	2.9	5
10	Distorted-wave Born approximation study of the $^{11}\text{Li}(p, t)^9\text{Li}$ reaction. Journal of Physics: Conference Series, 2016, 724, 012009.	0.4	1
11	Incident-energy dependence of angular distributions of cross section and analyzing power for the $^{58}\text{Ni}(p, \hat{p}^{\pm})^{56}\text{Co}$ reaction between 80 and 120 MeV. Physical Review C, 2015, 91, .	2.9	1
12	Two-Nucleon Transfer Reactions and Implications for Studies of Exotic Nuclei. , 2015, , .		0
13	Pre-equilibrium mechanisms in the $^{93}\text{Nb}(p, \hat{p}^{\pm})^{91}\text{Nb}$ reaction at incident energies from 65 to 160 MeV. Physical Review C, 2014, 90, .	2.9	11
14	Inclusive reaction $^{93}\text{Nb}(p, \hat{p}^{\pm})$ at an incident energy of 160 MeV. Physical Review C, 2014, 89, .	2.9	11
15	Current understanding of the reaction mechanism in two-nucleon transfer reactions. Journal of Physics: Conference Series, 2014, 533, 012005.	0.4	0
16	Alpha-cluster structure in the ground state of ^{40}Ca displayed in a $(p, p^{\hat{\pm}})$ knockout reaction. Journal of Physics: Conference Series, 2013, 436, 012011.	0.4	4
17	Mechanism of the $^{93}\text{Nb}(p, \hat{p}^{\pm})^{91}\text{Nb}$ reaction at an incident energy of 160 MeV. Physical Review C, 2012, 85, .	2.9	10
18	inclusive reaction at an incident energy of 160 MeV. Physical Review C, 2012, 85, .		

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19	Proton-induced composite particle emission in inclusive reactions in the range of 100 to 200 MeV. EPJ Web of Conferences, 2012, 38, 13001.	0.3	3
20	QUASIFREE $\hat{1}\pm$ -CLUSTER KNOCKOUT FROM LIGHT NUCLEI. International Journal of Modern Physics E, 2011, 20, 962-965.	1.0	1
21	Incident-Energy Dependent Quenching of the Analyzing Power in Pre-Equilibrium Composite Particle Emission, 2011.		1
22	Analyzing power and cross section distributions of the $^{12}\text{C}(p, p^{\hat{1}\pm})^{8}\text{Be}$ reaction at an incident energy of 100 MeV. Tj ET	2.9	20
23	Factorization of the Cross Section for the $^{12}\text{C}(p, p^{\hat{1}\pm})^{8}\text{Be}$ Reaction at an Incident Energy of 100 MeV. , 2009, ,		0
24	Analyzing power distribution in the $^{12}\text{C}(p, p^{\hat{1}\pm})^{8}\text{Be}$ reaction at an incident energy of 100 MeV. Europhysics Letters, 2009, 85, 22001.	2.0	7
25	Analyzing power of the $^{40}\text{Ca}(p, p^{\hat{1}\pm})$ reaction at 100 MeV. Physical Review C, 2008, 77, .	2.9	11
26	Complete Fusion and Break-up Fusion Reactions in Light Ion Interactions at Low Energies. AIP Conference Proceedings, 2007, , .	0.4	0
27	Multistep direct mechanism in the $(p^{\hat{1}\pm}, \text{He}3)$ inclusive reaction on ^{59}Co and ^{93}Nb at incident energies between 100 and 160 MeV. Physical Review C, 2007, 75, .	2.9	13
28	Excitation functions of evaporation residues in the interaction of ^{16}O with ^{103}Rh at incident energies up to 400 MeV. European Physical Journal A, 2006, 28, 193-203.	2.5	12
29	Isotopic production cross sections in proton-nucleus collisions at 200 MeV. Physical Review C, 2006, 73, .	2.9	22
30	Excitation functions of residues in the interaction of ^{12}C with ^{103}Rh up to an incident energy of 400 MeV. Nuclear Physics A, 2005, 753, 29-52.	1.5	9
31	Reaction Cross Sections for Protons on ^{12}C , ^{40}Ca , ^{90}Zr , and ^{208}Pb at Energies between 80 and 180 MeV. AIP Conference Proceedings, 2005, , .	0.4	0
32	Reaction cross sections for protons on ^{12}C , ^{40}Ca , ^{90}Zr , and ^{208}Pb at energies between 80 and 180 MeV. Physical Review C, 2005, 71, .	2.9	73
33	Emission of Li, ^7Be and B fragments in the interaction of ^{12}C with ^{93}Nb between 200 and 400 MeV. European Physical Journal A, 2003, 18, 639-644.	2.5	13
34	Isobaric yields and radiochemistry of near-target residues in the interaction of ^{12}C and ^{16}O with ^{103}Rh at an incident energy of 400 MeV. Journal of Radioanalytical and Nuclear Chemistry, 2003, 258, 649-658.	1.5	2
35	Relativistic predictions of exclusive $^{208}\text{Pb}(p^{\hat{1}\pm}, 2p)^{207}\text{Tl}$ analyzing powers at an incident energy of 202 MeV. Physical Review C, 2003, 67, .	2.9	8
36	RELATIVISTIC PREDICTIONS OF SPIN OBSERVABLES FOR EXCLUSIVE PROTON KNOCKOUT REACTIONS. , 2003, , .		0

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37	Analyzing power and cross section distributions of the knockout reaction $^{208}\text{Pb}(p,2p)^{207}\text{Tl}$ at an incident energy of 202 MeV. <i>Physical Review C</i> , 2002, 66, .	2.9	15
38	Interplay of mean field and nucleon-nucleon interactions in the production of carbon fragments in ^{16}O induced reactions at incident energies up to 25 MeV/amu. <i>Nuclear Physics A</i> , 2002, 708, 391-412.	1.5	15
39	Relativistic plane wave model for complete sets of spin transfer observables for exclusive proton-induced knockout reactions. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
40	Reaction cross sections of intermediate energy ^3He -particles on targets from ^9Be to ^{208}Pb . <i>Nuclear Physics A</i> , 2001, 696, 3-30.	1.5	43
41	Role of knockout contributions in giant resonance studies with (p,α^2x) reactions. <i>Physical Review C</i> , 2001, 63, .	2.9	7
42	ON THE NEED FOR COMPREHENSIVE STUDIES OF HEAVY ION REACTIONS. , 2001, , .		0
43	Evidence for a dissipative friction mechanism based on ^8Be fragments from the interaction of ^{12}C with ^{59}Co . <i>European Physical Journal A</i> , 2000, 8, 373-376.	2.5	10
44	Inclusive reaction $^{40}\text{Ca}(p,\alpha^2x)$ at an incident energy of 392 MeV. <i>Physical Review C</i> , 2000, 62, .	2.9	11
45	Multistep direct mechanism in the $(p,3\text{He})$ inclusive reaction on ^{59}Co and ^{93}Nb at an incident energy of 100 MeV. <i>Physical Review C</i> , 2000, 62, .	2.9	16
46	$\hat{1}\pm$ -clustering probabilities extracted from the $^{12}\text{C}(\hat{1}\pm,2\hat{1}\pm)^8\text{Be}$ reaction at 200 MeV. <i>Physical Review C</i> , 1999, 59, 2097-2102.	2.9	12
47	Rescattering in knockout reactions as manifested in $^{40}\text{Ca}(p,\alpha^2p\alpha^3)$ at an incident energy of 392 MeV. <i>Physical Review C</i> , 1998, 57, 3185-3190.	2.9	17
48	Single-nucleon transfer to unbound states in the $^4\text{He}(\hat{1}\pm,t)^5\text{Li}$ reaction at incident energies of 120, 160, and 200 MeV. <i>Physical Review C</i> , 1998, 57, 1817-1823.	2.9	6
49	Inclusive $(p,3\text{He})$ reactions on ^{59}Co and ^{197}Au at incident energies of 120, 160, and 200 MeV. <i>Physical Review C</i> , 1997, 55, 1843-1847.	2.9	16
50	Single-nucleon transfer to unbound states by means of the $^4\text{He}(\hat{1}\pm,3\text{He})^5\text{He}$ reaction at 158 and 200 MeV. <i>Physical Review C</i> , 1996, 54, 2485-2492.	2.9	11
51	Inclusive (p,α^2) reactions on nuclei in the mass range 115 to 181 at incident energies from 120 to 200 MeV. <i>Physical Review C</i> , 1996, 54, 1756-1765.	2.9	9
52	Inclusive $(p,\hat{1}\pm)$ reactions on ^{27}Al , ^{59}Co , and ^{197}Au at incident energies of 120, 160, and 200 MeV. <i>Physical Review C</i> , 1996, 54, 778-783.	2.9	32
53	Preequilibrium (p,α^{TM}) measurements and calculations for ^{90}Zr and neighboring nuclei for incident energies up to 200 MeV. <i>Physical Review C</i> , 1994, 49, 1001-1011.	2.9	37
54	Quasifree knockout in $^9\text{Be}(\hat{1}\pm,2\hat{1}\pm)^5\text{He}$ at an incident energy of 197 MeV. <i>Physical Review C</i> , 1994, 50, 2449-2457. 2.9		26

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55	Excitation and decay of electric giant resonances in the $^{40}\text{Ca}(e,e'x)$ and $^{40}\text{Ca}(p,p'x)$ reactions. Nuclear Physics A, 1994, 569, 373-382.	1.5	14
56	Coincident proton emission induced by 200 MeV protons on ^{197}Au . Physical Review C, 1993, 48, 743-755.	2.9	8
57	Quasifree subthreshold pion production in the reaction $^{12}\text{C}(p,d\pi^+)^{11}\text{B}$. Physical Review C, 1992, 45, 1745-1747.	2.9	8
58	Statistical multistep direct calculations for $(p,p\pi^{\pm})$ continuum spectra up to 200 MeV. Physical Review C, 1992, 46, 1030-1044.	2.9	28
59	Quasifree knockout in $^{16}\text{O}(p,2p)^{15}\text{N}$ at an incident energy of 151 MeV. Physical Review C, 1991, 44, 329-335.	2.9	8
60	Preequilibrium proton emission induced by 80 and 120 MeV protons incident on ^{90}Zr . Physical Review C, 1991, 43, 678-686.	2.9	49
61	Continuum protons from $^{58}\text{Ni}(p,p\pi^{\pm})$ at incident energies between 100 and 200 MeV. Physical Review C, 1991, 43, 691-700.	2.9	25
62	Continuum protons from the inclusive reaction $^{197}\text{Au}(p,p?)$ at incident energies between 100 and 200 MeV. Zeitschrift für Physik A, Atomic Nuclei, 1990, 336, 189-195.	0.3	4
63	Importance of Nucleon-Nucleon Scattering in the Interaction of Protons with ^{197}Au at 200 MeV. Europhysics Letters, 1990, 13, 37-41.	2.0	6
64	Quasifree knockout of charged particles from ^4He with 100 MeV protons. Physical Review C, 1990, 42, 309-330.	2.9	14
65	Continuum analyzing power for $^4\text{He}(p\pi^+,p\pi^{\pm})$ at 100 MeV. Physical Review C, 1990, 42, 778-780.	2.9	1
66	Protons of 200 MeV incident on ^{12}C . II. Quasifree proton knockout. Physical Review C, 1989, 40, 1950-1958.	2.9	9
67	Protons of 200 MeV incident on ^{12}C . I. Coincident proton emission from the continuum. Physical Review C, 1989, 40, 1937-1949.	2.9	37
68	Continuum yields from $^{12}\text{C}(p,p\pi^2)$ at incident proton energies of 90 and 200 MeV. Nuclear Physics A, 1988, 485, 258-270.	1.5	23
69	$(\hat{1}\pm 16, \hat{1}\pm p)$ and $(\hat{1}\pm 40, \hat{1}\pm p)$ reactions at 139.2 MeV incident energy. Physical Review C, 1987, 35, 333-335.	2.9	12
70	Resonances in low energy elastic scattering of π -particles from ^{28}Si . Zeitschrift für Physik A, Atomic Nuclei, 1986, 325, 175-181.	0.3	1
71	Tests of the factorized distorted wave impulse approximation for $(p,2p)$ reactions. Physical Review C, 1986, 34, 1610-1619.	2.9	33
72	$^2,3,4\text{He}(p\pi^+,p\pi^{\pm})$ and $^3,4\text{He}(p\pi^+,d\pi^{\pm})$ continuum yields for 100 and 150 MeV protons. Physical Review C, 1985, 32, 1474-1487.	2.9	16

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73	Continuum spectrum in the quasifree ($p, \hat{A}2p$) scattering. Physical Review C, 1983, 27, 1360-1363.	2.9	18
74	Discrepancy between proton- and alpha-induced cluster knockout reactions on O^{16} . Physical Review C, 1982, 26, 1379-1384.	2.9	27
75	$Ca^{40}(p, \hat{p}^{\pm})Ar^{36}$ reaction in a noncoplanar geometry. Physical Review C, 1981, 23, 2353-2356.	2.9	15
76	Energy Dissipation Process for 100-MeV Protons and the Nucleon-Nucleon Interactions in Nuclei. Physical Review Letters, 1980, 45, 1930-1933.	7.8	26
77	Forward-angle proton spectra in the continuum from the $Ni^{58}(p, \hat{A}xp)$ reaction at 100 MeV. Physical Review C, 1980, 22, 2633-2635.	2.9	8
78	Large-angle elastic scattering of \hat{I}^{\pm} -particles from ^{20}Ne and ^{22}Ne . Nuclear Physics A, 1978, 301, 429-440.	1.5	14
79	Correlation between the forward-angle yield of the reaction $^{16}O(\hat{I}^{\pm}, d)^{18}F$ ($E_x=1.125$ MeV) and anomalous large-angle elastic scattering in $^{16}O(\hat{I}^{\pm}, \hat{I}^{\pm})^{16}O$. Journal of Physics G: Nuclear Physics, 1978, 4, L149-L154.	0.8	3
80	Modified optical potential for the elastic scattering of complex particles. Physical Review C, 1978, 17, 1315-1321.	2.9	8
81	Modified optical potential for elastic \hat{I}^{\pm} scattering: Folding potentials and energy dependence. Physical Review C, 1978, 17, 1322-1330.	2.9	6
82	$(p, \hat{A}He^3)$ reaction as a quasifree reaction process. Physical Review C, 1977, 15, 1650-1661.	2.9	19
83	Absolute spectroscopic factors from the $(p, \hat{A}p\hat{I}^{\pm})$ reaction at 100 MeV on 1p-shell nuclei. Physical Review C, 1977, 15, 69-83.	2.9	112
84	The (p, d) reaction at 65 MeV. Nuclear Physics A, 1975, 255, 187-203.	1.5	58
85	A comparison of the $^3He(p, 2p)d$ and $^3He(p, pd)p$ reactions. Nuclear Physics A, 1974, 220, 429-437.	1.5	22
86	Diffraction scattering of \hat{I}^{\pm} -particles from even isotopes of Ni at backward angles. Nuclear Physics A, 1974, 229, 256-268.	1.5	28
87	The $(\hat{I}^{\pm}, \hat{I}^{\pm})$, $(\hat{I}^{\pm}, \hat{I}^{\pm} \hat{\epsilon}^2)$ and $(\hat{I}^{\pm}, ^3He)$ reactions on ^{12}C at 139 MeV. Nuclear Physics A, 1973, 207, 273-288.	1.5	103
88	Regge pole analysis of the elastic scattering of \hat{I}^{\pm} -particles from ^{16}O . Nuclear Physics A, 1970, 146, 465-476.	1.5	80