

Anthony A Cowley

List of Publications by Year in descending order

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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	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
2	The $(\hat{I}_{\pm}, \hat{I}_{\pm}), (\hat{I}_{\pm}, \hat{I}_{\pm}\hat{\epsilon}^2)$ and $(\hat{I}_{\pm}, 3\text{He})$ reactions on ^{12}C at 139 MeV. Nuclear Physics A, 1973, 207, 273-288.	1.5	103
3	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
4	Reaction cross sections for protons on $^{12}\text{C}, ^{40}\text{Ca}, ^{90}\text{Zr}$, and ^{208}Pb at energies between 80 and 180 MeV. Physical Review C, 2005, 71, .	2.9	73
5	The (p, d) reaction at 65 MeV. Nuclear Physics A, 1975, 255, 187-203.	1.5	58
6	Preequilibrium proton emission induced by 80 and 120 MeV protons incident on ^{90}Zr . Physical Review C, 1991, 43, 678-686.	2.9	49
7	Reaction cross sections of intermediate energy 3He -particles on targets from ^9Be to ^{208}Pb . Nuclear Physics A, 2001, 696, 3-30.	1.5	43
8	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
9	Preequilibrium $(p, p\hat{\epsilon}^{\text{TM}})$ measurements and calculations for ^{90}Zr and neighboring nuclei for incident energies up to 200 MeV. Physical Review C, 1994, 49, 1001-1011.	2.9	37
10	Tests of the factorized distorted wave impulse approximation for $(p, 2p)$ reactions. Physical Review C, 1986, 34, 1610-1619.	2.9	33
11	Inclusive (p, \hat{I}_{\pm}) reactions on $^{27}\text{Al}, ^{59}\text{Co}$, and ^{197}Au at incident energies of 120, 160, and 200 MeV. Physical Review C, 1996, 54, 778-783.	2.9	32
12	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
13	Statistical multistep direct calculations for $(p, p\hat{\epsilon}^{\text{TM}})$ continuum spectra up to 200 MeV. Physical Review C, 1992, 46, 1030-1044.	2.9	28
14	Discrepancy between proton- and alpha-induced cluster knockout reactions on ^{16}O . Physical Review C, 1982, 26, 1379-1384.	2.9	27
15	Energy Dissipation Process for 100-MeV Protons and the Nucleon-Nucleon Interactions in Nuclei. Physical Review Letters, 1980, 45, 1930-1933.	7.8	26
16	Quasifree knockout in $^9\text{Be}(^2\hat{I}_{\pm})^5\text{He}$ at an incident energy of 197 MeV. Physical Review C, 1994, 50, 2449-2457.	2.9	26
17	Continuum protons from $^{58}\text{Ni}(p, p\hat{\epsilon}^{\text{TM}})$ at incident energies between 100 and 200 MeV. Physical Review C, 1991, 43, 691-700.	2.9	25
18	Continuum yields from $^{12}\text{C}(p, p\hat{\epsilon}^2)$ at incident proton energies of 90 and 200 MeV. Nuclear Physics A, 1988, 485, 258-270.	1.5	23

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19	A comparison of the $^3\text{He}(p, 2p)d$ and $^3\text{He}(p, pd)p$ reactions. Nuclear Physics A, 1974, 220, 429-437.	1.5	22
20	Isotopic production cross sections in proton-nucleus collisions at 200 MeV. Physical Review C, 2006, 73, .	2.9	22
21	Analyzing power and cross section distributions of the $^{12}\text{C}(p, p^{\prime})^{12}\text{C}$ reaction. Physical Review C, 2002, 66, .	2.9	20
22	$^{12}\text{C}(p, p^{\prime})^{12}\text{C}$ reaction as a quasifree reaction process. Physical Review C, 1977, 15, 1650-1661.	2.9	19
23	Continuum spectrum in the quasifree $(p, \hat{A}2p)$ scattering. Physical Review C, 1983, 27, 1360-1363.	2.9	18
24	Rescattering in knockout reactions as manifested in $^{40}\text{Ca}(p, p^{\prime})^{39}\text{Ca}$ at an incident energy of 392 MeV. Physical Review C, 1998, 57, 3185-3190.	2.9	17
25	$^2\text{H}, ^3\text{He}(p, p^{\prime})$ and $^3\text{He}(p, d)$ continuum yields for 100 and 150 MeV protons. Physical Review C, 1985, 32, 1474-1487.	2.9	16
26	Inclusive $(p, ^3\text{He})$ reactions on ^{59}Co and ^{197}Au at incident energies of 120, 160, and 200 MeV. Physical Review C, 1997, 55, 1843-1847.	2.9	16
27	Multistep direct mechanism in the $(p, ^3\text{He})$ inclusive reaction on ^{59}Co and ^{93}Nb at an incident energy of 100 MeV. Physical Review C, 2000, 62, .	2.9	16
28	$^{40}\text{Ca}(p, p^{\prime})^{39}\text{Ca}$ reaction in a noncoplanar geometry. Physical Review C, 1981, 23, 2353-2356.	2.9	15
29	Analyzing power and cross section distributions of the knockout reaction $^{208}\text{Pb}(p, p^{\prime})^{207}\text{Tl}$ at an incident energy of 202 MeV. Physical Review C, 2002, 66, .	2.9	15
30	Interplay of mean field and nucleon-nucleon interactions in the production of carbon fragments in ^{16}O induced reactions at incident energies up to $25\text{ MeV}/\text{amu}$. Nuclear Physics A, 2002, 708, 391-412.	1.5	15
31	Large-angle elastic scattering of $^{\hat{1}\pm}$ -particles from ^{20}Ne and ^{22}Ne . Nuclear Physics A, 1978, 301, 429-440.	1.5	14
32	Quasifree knockout of charged particles from ^4He with 100 MeV protons. Physical Review C, 1990, 42, 309-330.	2.9	14
33	Excitation and decay of electric giant resonances in the $^{40}\text{Ca}(e, e^{\prime}x)$ and $^{40}\text{Ca}(p, p^{\prime}x)$ reactions. Nuclear Physics A, 1994, 569, 373-382.	1.5	14
34	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
35	Multistep direct mechanism in the $(p, ^3\text{He})$ inclusive reaction on ^{59}Co and ^{93}Nb at incident energies between 100 and 160 MeV. Physical Review C, 2007, 75, .	2.9	13
36	$(^{\hat{1}\pm}16, ^{\hat{1}\pm}p)$ 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

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37	\hat{I}_{\pm} -clustering probabilities extracted from the $^{12}\text{C}(\hat{I}_{\pm}, 2\hat{I}_{\pm})^{8}\text{B}$ reaction at 200 MeV. <i>Physical Review C</i> , 1999, 59, 2097-2102.	2.9	12
38	Excitation functions of evaporation residues in the interaction of ^{16}O with ^{103}Rh at incident energies up to 400 MeV. <i>European Physical Journal A</i> , 2006, 28, 193-203.	2.5	12
39	Single-nucleon transfer to unbound states by means of the $^4\text{He}(\hat{I}_{\pm}, 3\text{He})^5\text{He}$ reaction at 158 and 200 MeV. <i>Physical Review C</i> , 1996, 54, 2485-2492.	2.9	11
40	Inclusive reaction $^{40}\text{Ca}(p, \hat{p}\hat{\epsilon}^2x)$ at an incident energy of 392 MeV. <i>Physical Review C</i> , 2000, 62, .	2.9	11
41	Analyzing power of the $^{40}\text{Ca}(\hat{p}\hat{t}', \hat{p}\hat{I}_{\pm})$ reaction at 100 MeV. <i>Physical Review C</i> , 2008, 77, .	2.9	11
42	Pre-equilibrium mechanisms in the ^{93}Nb reaction at incident energies from 65 to 160 MeV. <i>Physical Review C</i> , 2014, 90, .	2.9	11
43	Inclusive reaction $^{93}\text{Nb}(\hat{p}\hat{f}^-, \hat{I}_{\pm})$ at an incident energy of 160 MeV. <i>Physical Review C</i> , 2014, 89, .	2.9	11
44	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
45	Inclusive reaction at an incident energy of 160 MeV. <i>Physical Review C</i> , 2012, 85, .	2.9	10
46	Protons of 200 MeV incident on ^{12}C . II. Quasifree proton knockout. <i>Physical Review C</i> , 1989, 40, 1950-1958.	2.9	9
47	Inclusive $(p, \hat{p}\hat{\epsilon}^2)$ 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
48	Excitation functions of residues in the interaction of ^{12}C with ^{103}Rh up to an incident energy of 400 MeV. <i>Nuclear Physics A</i> , 2005, 753, 29-52.	1.5	9
49	Modified optical potential for the elastic scattering of complex particles. <i>Physical Review C</i> , 1978, 17, 1315-1321.	2.9	8
50	Forward-angle proton spectra in the continuum from the $^{58}\text{Ni}(p, \hat{\Lambda}p)$ reaction at 100 MeV. <i>Physical Review C</i> , 1980, 22, 2633-2635.	2.9	8
51	Quasifree knockout in $^{16}\text{O}(p, 2p)^{15}\text{N}$ at an incident energy of 151 MeV. <i>Physical Review C</i> , 1991, 44, 329-335.	2.9	8
52	Quasifree subthreshold pion production in the reaction $^{12}\text{C}(p, \hat{d}\hat{\epsilon}^+)^{11}\text{B}$. <i>Physical Review C</i> , 1992, 45, 1745-1747.	2.9	8
53	Coincident proton emission induced by 200 MeV protons on ^{197}Au . <i>Physical Review C</i> , 1993, 48, 743-755.	2.9	8
54	Relativistic predictions of exclusive $^{208}\text{Pb}(\hat{p}\hat{t}', 2p)^{207}\text{Tl}$ analyzing powers at an incident energy of 202 MeV. <i>Physical Review C</i> , 2003, 67, .	2.9	8

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55	Role of knockout contributions in giant resonance studies with $(p, p\alpha^2x)$ reactions. <i>Physical Review C</i> , 2001, 63, .	2.9	7
56	Analyzing power distribution in the $^{12}\text{C}(p, p^{\pm})^{8}\text{Be}(\text{g.s.})$ reaction at an incident energy of 100 MeV. <i>Europhysics Letters</i> , 2009, 85, 22001.	2.0	7
57	Modified optical potential for elastic scattering: Folding potentials and energy dependence. <i>Physical Review C</i> , 1978, 17, 1322-1330.	2.9	6
58	Importance of Nucleon-Nucleon Scattering in the Interaction of Protons with ^{197}Au at 200 MeV. <i>Europhysics Letters</i> , 1990, 13, 37-41.	2.0	6
59	Single-nucleon transfer to unbound states in the $^4\text{He}(\hat{l}_{\pm}, t)^5\text{Li}$ reaction at incident energies of 120, 160, and 200 MeV. <i>Physical Review C</i> , 1998, 57, 1817-1823.	2.9	6
60	Inclusive $^{59}\text{Co}(p, p^{\pm})^{59}\text{Co}$ reaction at an incident energy of 100 MeV. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1990, 336, 189-195.	2.9	5
61	Continuum protons from the inclusive reaction $^{197}\text{Au}(p, p^{\pm})$ at incident energies between 100 and 200 MeV. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1990, 336, 189-195.	0.3	4
62	Alpha-cluster structure in the ground state of ^{40}Ca displayed in a (p, p^{\pm}) knockout reaction. <i>Journal of Physics: Conference Series</i> , 2013, 436, 012011.	0.4	4
63	Correlation between the forward-angle yield of the reaction $^{16}\text{O}(\hat{l}_{\pm}, d)^{18}\text{F}$ ($E_x=1.125$ MeV) and anomalous large-angle elastic scattering in $^{16}\text{O}(\hat{l}_{\pm}, \hat{l}_{\pm})^{16}\text{O}$. <i>Journal of Physics G: Nuclear Physics</i> , 1978, 4, L149-L154.	0.8	3
64	Proton-induced composite particle emission in inclusive reactions in the range of 100 to 200 MeV. <i>EPJ Web of Conferences</i> , 2012, 38, 13001.	0.3	3
65	$^{59}\text{Co}(p, p^{\pm})$ reaction at 100 MeV incident energy – statistical multistep direct reaction into the continuum of outgoing energies. <i>EPJ Web of Conferences</i> , 2016, 107, 08005.	0.3	3
66	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. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 258, 649-658.	1.5	2
67	Reaction mechanism of proton-induced pre-equilibrium \hat{l}_{\pm} -particle emission from medium-mass nuclei at incident energies between 65 and 160 MeV. <i>International Journal of Modern Physics E</i> , 2018, 27, 1850091.	1.0	2
68	Resonances in low energy elastic scattering of γ -particles from ^{28}Si . <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1986, 325, 175-181.	0.3	1
69	Continuum analyzing power for $^4\text{He}(p\hat{t}^{\pm}, p\hat{t}^{\pm})$ at 100 MeV. <i>Physical Review C</i> , 1990, 42, 778-780.	2.9	1
70	QUASIFREE \hat{l}_{\pm} -CLUSTER KNOCKOUT FROM LIGHT NUCLEI. <i>International Journal of Modern Physics E</i> , 2011, 20, 962-965.	1.0	1
71	Incident-Energy Dependent Quenching of the Analyzing Power in Pre-Equilibrium Composite Particle Emission. , 2011, , .		1
72	Incident-energy dependence of angular distributions of cross section and analyzing power for the $^{58}\text{Ni}(p, \text{He}^3)^{56}\text{Co}$ reaction between 80 and 120 MeV. <i>Physical Review C</i> , 2015, 91, .	2.9	1

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73	Proton-induced isotopic variation in surface clustering in Sn compared with $^{11}\text{Li}(p,t)^9\text{Li}$ reaction. Journal of Physics: Conference Series, 2016, 724, 012009.	2.9	1
74	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
75	Proton-induced pre-equilibrium composite-particle emission. EPJ Web of Conferences, 2018, 194, 07001.	0.3	1
76	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
77	Sensitivity of analyzing power to distorting potentials in the quasifree reaction $^{40}\text{Ca}(p,pn)^{36}\text{Ca}$ at 100 MeV inc. Physical Review C, 2021, 103, .	2.9	1
78	Relativistic plane wave model for complete sets of spin transfer observables for exclusive proton-induced knockout reactions. AIP Conference Proceedings, 2001, , .	0.4	0
79	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
80	Complete Fusion and Break-up Fusion Reactions in Light Ion Interactions at Low Energies. AIP Conference Proceedings, 2007, , .	0.4	0
81	Factorization of the Cross Section for the $^{12}\text{C}(p,p\hat{1}\pm)^8\text{Be}(g.s.)$ Reaction at an Incident Energy of 100 MeV. , 2009, , .		0
82	Current understanding of the reaction mechanism in two-nucleon transfer reactions. Journal of Physics: Conference Series, 2014, 533, 012005.	0.4	0
83	Influence of Nuclear Cluster Structure in Proton-Induced Pre-Equilibrium Composite Particle Emission. Journal of Physics: Conference Series, 2017, 863, 012034.	0.4	0
84	Occupation of shell model orbitals extracted from knockout reactions. Journal of Physics: Conference Series, 2020, 1555, 012022.	0.4	0
85	Contribution to inclusive $(p,\hat{1}\pm)$ reactions from $(p,p\hat{1}\pm)$ knockout at incident energies near 100 MeV. Physical Review C, 2021, 104, .	2.9	0
86	ON THE NEED FOR COMPREHENSIVE STUDIES OF HEAVY ION REACTIONS. , 2001, , .		0
87	RELATIVISTIC PREDICTIONS OF SPIN OBSERVABLES FOR EXCLUSIVE PROTON KNOCKOUT REACTIONS. , 2003, , .		0
88	Two-Nucleon Transfer Reactions and Implications for Studies of Exotic Nuclei. , 2015, , .		0