

Jerrold Franklin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

835

citations

17

h-index

26

g-index

73

ext. papers

876

ext. citations

3.3

avg, IF

4.07

L-index

#	Paper	IF	Citations
68	A Model of Baryons Made of Quarks with Hidden Spin. <i>Physical Review</i> , 1968 , 172, 1807-1817		136
67	Nonstatic Relations between Magnetic Moments in the Quark Model. <i>Physical Review</i> , 1969 , 182, 1607-1609		51
66	Wave-function mixing of flavor-degenerate baryons. <i>Physical Review D</i> , 1981 , 24, 2910-2917	4.9	47
65	Meson-Exchange Effects in Neutron-Proton Bremsstrahlung. <i>Physical Review C</i> , 1973 , 8, 1706-1720	2.7	42
64	Implications of baryon magnetic moments for the quark model. <i>Physical Review D</i> , 1979 , 20, 1742-1745	4.9	38
63	Phenomenological quark model for baryon magnetic moments and beta decay ratios (GA/GV). <i>Physical Review D</i> , 2002 , 66,	4.9	35
62	Mass relations for charmed baryons. <i>Physical Review D</i> , 1975 , 12, 2077-2081	4.9	33
61	General quark-model analysis of baryon magnetic moments. <i>Physical Review D</i> , 1984 , 29, 2648-2651	4.9	32
60	Electromagnetic Properties of Baryons in a Quark-Diquark Model with Broken SU(6). <i>Physical Review</i> , 1968 , 174, 1681-1688		28
59	Proton-proton bremsstrahlung calculations at 280 MeV. <i>Physical Review C</i> , 1991 , 44, 1296-1310	2.7	27
58	Pion Production in Pion-Nucleon Scattering. <i>Physical Review</i> , 1957 , 105, 1101-1108		24
57	Pion contributions to baryon magnetic moments. <i>Physical Review D</i> , 1984 , 30, 1542-1546	4.9	23
56	Quark-Moment Contributions to Baryon Magnetic Moments. <i>Physical Review Letters</i> , 1980 , 45, 1607-1610	4.4	22
55	Lorentz contraction, Bell's spaceships and rigid body motion in special relativity. <i>European Journal of Physics</i> , 2010 , 31, 291-298	0.8	19
54	The spin content of the proton in the light-cone quark model without SU(3) flavour symmetry. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1991 , 17, 213-220	2.9	19
53	Saddle-point variational method for the Dirac equation. <i>Physical Review Letters</i> , 1985 , 54, 2068-2070	7.4	18
52	Threshold Kinematic Constraints and Correlations of Helicity Amplitudes. <i>Physical Review</i> , 1968 , 170, 1606-1618		18

51	Quark-parton model for the structure function W_2 of the proton and neutron in their rest systems. <i>Physical Review D</i> , 1977 , 16, 21-28	4.9	17
50	A SIMPLE DIRAC WAVE FUNCTION FOR A COULOMB POTENTIAL WITH LINEAR CONFINEMENT. <i>Modern Physics Letters A</i> , 1999 , 14, 2409-2411	1.3	15
49	Nucleon distribution amplitude and diquark clustering. <i>Physical Review D</i> , 1990 , 42, 905-910	4.9	13
48	Statistics of a confined, randomly accelerated particle with inelastic boundary collisions. <i>Physical Review E</i> , 2000 , 61, 2376-2381	2.4	12
47	Baryon masses from deep-inelastic scattering. <i>Physical Review D</i> , 1980 , 21, 241-248	4.9	11
46	Sum rules for charmed baryon masses. <i>Physical Review D</i> , 1996 , 53, 564-565	4.9	10
45	Mixing of Λ_b baryons. <i>Physical Review D</i> , 1997 , 55, 425-426	4.9	9
44	Scaling and non-scaling in a rest frame quark-parton model of the proton. <i>Nuclear Physics B</i> , 1978 , 138, 122-140	2.8	9
43	Scattering of Λ Mesons by Nuclei. <i>Physical Review</i> , 1958 , 109, 525-528		9
42	Kinematic Singularities of Partial-Wave Scattering Amplitudes. <i>Physical Review</i> , 1966 , 152, 1437-1441		9
41	Comment on Some novel delta-function identities by Charles P. Frahm [Am. J. Phys. 51, 826-829 (1983)]. <i>American Journal of Physics</i> , 2010 , 78, 1225-1226	0.7	8
40	Estimate of the quark-gluon coupling strength from baryon masses. <i>Physical Review D</i> , 1982 , 25, 1997-1999		7
39	Comment on Octet baryon magnetic moments in the chiral quark model with configuration mixing. <i>Physical Review D</i> , 2000 , 61,	4.9	6
38	Possible Theoretical Interpretations of the Excited Hyperons. <i>Physical Review</i> , 1961 , 124, 1995-1999		6
37	The electromagnetic momentum of static charge-current distributions. <i>American Journal of Physics</i> , 2014 , 82, 869-875	0.7	5
36	Quarks of Almost Any Spin. <i>Physical Review</i> , 1969 , 181, 1984-1988		5
35	Fermion Quarks of Spin 3/2. <i>Physical Review</i> , 1969 , 180, 1583-1587		5
34	Reciprocal Bootstrap Model for the Λ and Σ Mesons. <i>Physical Review</i> , 1965 , 137, B994-B996		5

33	Unsubtracted Pion-Pion Dispersion Relation. <i>Physical Review</i> , 1967 , 162, 1526-1528		5
32	New experimental tests of sum rules for charmed baryon masses. <i>Physical Review D</i> , 1999 , 59,	4.9	4
31	Evidence for a narrow (S) resonance in pp annihilation at 1937 MeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 184, 111-113	4.2	4
30	Dispersion relations for the Weinberg amplitudes. <i>Physical Review D</i> , 1975 , 11, 513-516	4.9	4
29	Approximate Solution of Partial-Wave Dispersion Relations. <i>Physical Review</i> , 1965 , 139, B912-B917		4
28	Rigid Body Motion in Special Relativity. <i>Foundations of Physics</i> , 2013 , 43, 1489-1501	1.2	3
27	Application of sum rules to heavy baryon masses. <i>Physical Review D</i> , 1997 , 55, 423-424	4.9	3
26	The lack of rotation in the Trouton-Noble experiment. <i>European Journal of Physics</i> , 2006 , 27, 1251-1256	0.8	3
25	EXACT SOLUTIONS OF THE DIRAC EQUATION FOR MODIFIED COULOMBIC POTENTIALS. <i>International Journal of Modern Physics A</i> , 2000 , 15, 4355-4360	1.2	3
24	Theoretical status of baryon magnetic moments. <i>AIP Conference Proceedings</i> , 1989 ,	0	3
23	Y^* and K^* in strong interactions. <i>Nuovo Cimento</i> , 1961 , 20, 1024-1029		3
22	Kinematic Singularities of Partial-Wave Scattering Amplitudes. <i>Physical Review</i> , 1967 , 160, 1582-1582		3
21	Complete Lorentz transformation of a charge-current density. <i>International Journal of Modern Physics A</i> , 2020 , 35, 2050061	1.2	2
20	Quark model relations for b-baryon decay. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020 , 47, 085001	2.9	2
19	Relativistic calculation of ground-state baryon masses. <i>Nuclear Physics A</i> , 1995 , 585, 450-462	1.3	2
18	Saddle-point variational method for relativistic excited states. <i>Physical Review A</i> , 1987 , 36, 5839-5840	2.6	2
17	Multichannel calculations in molecular physics: Study of coupled square wells in exactly soluble model. <i>Journal of Chemical Physics</i> , 1977 , 66, 1744-1754	3.9	2
16	Scattering of π Mesons by Nuclei. <i>Physical Review</i> , 1958 , 111, 296-297		2

15	Solution of a p-Wave Equation for Pion-Pion Scattering. <i>Physical Review</i> , 1965 , 137, B172-B177		2
14	What is the force on a magnetic dipole?. <i>European Journal of Physics</i> , 2018 , 39, 035201	0.8	1
13	Comment on Energy flow in a bound electromagnetic field: resolution of apparent paradoxes□ <i>European Journal of Physics</i> , 2010 , 31, L17-L20	0.8	1
12	The lack of rotation in a moving right angle lever. <i>European Journal of Physics</i> , 2008 , 29, N55-N58	0.8	1
11	Quark spin properties at high x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 587, 211-215	4.2	1
10	Internal Symmetries in Bootstrap Dispersion Relations. <i>Physical Review</i> , 1965 , 138, B1202-B1207		1
9	Study of the Land B Mesons in B Scattering. <i>Physical Review</i> , 1966 , 148, 1501-1514		1
8	Comment on: Lorentz transformation of a charge-current density and relativistic polarization□ of a moving current loop□ <i>International Journal of Modern Physics A</i> ,2175001	1.2	0
7	Response to Comment on The electromagnetic momentum of static charge-current distributions□ [Am. J. Phys. 83, 279 (2015)]□ <i>American Journal of Physics</i> , 2015 , 83, 280-280	0.7	
6	Deep inelastic proton compton scattering in the rest frame quark-parton model 1981 , 66, 248-256		
5	Parity of the antiproton. <i>Physical Review D</i> , 1977 , 16, 910-910	4.9	
4	Double Spectral Approximation for Pion Scattering. <i>Physical Review</i> , 1969 , 184, 1873-1876		
3	Comment on "Threshold Kinematic Constraints and Correlations of Helicity Amplitudes". <i>Physical Review D</i> , 1970 , 2, 811-811	4.9	
2	Decay Correlations in Resonance Production Using Quarks of Spin 3/2. <i>Physical Review D</i> , 1971 , 3, 166-168.	4.9	
1	Geoff Chew of Illinois 2021 , 70-71		