

# Jerrold Franklin

## List of Publications by Year in Descending Order

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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	Geoff Chew of Illinois <b>2021</b> , 70-71		
67	Complete Lorentz transformation of a charge-current density. <i>International Journal of Modern Physics A</i> , <b>2020</b> , 35, 2050061	1.2	2
66	Quark model relations for b-baryon decay. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2020</b> , 47, 085001	2.9	2
65	What is the force on a magnetic dipole?. <i>European Journal of Physics</i> , <b>2018</b> , 39, 035201	0.8	1
64	Response to [Comment on [The electromagnetic momentum of static charge-current distributions] [Am. J. Phys. 83, 279 (2015)]] <i>American Journal of Physics</i> , <b>2015</b> , 83, 280-280	0.7	
63	The electromagnetic momentum of static charge-current distributions. <i>American Journal of Physics</i> , <b>2014</b> , 82, 869-875	0.7	5
62	Rigid Body Motion in Special Relativity. <i>Foundations of Physics</i> , <b>2013</b> , 43, 1489-1501	1.2	3
61	Comment on [Energy flow in a bound electromagnetic field: resolution of apparent paradoxes] <i>European Journal of Physics</i> , <b>2010</b> , 31, L17-L20	0.8	1
60	Lorentz contraction, Bell's spaceships and rigid body motion in special relativity. <i>European Journal of Physics</i> , <b>2010</b> , 31, 291-298	0.8	19
59	Comment on [Some novel delta-function identities] by Charles P. Frahm [Am. J. Phys. 51, 826-829 (1983)]. <i>American Journal of Physics</i> , <b>2010</b> , 78, 1225-1226	0.7	8
58	The lack of rotation in a moving right angle lever. <i>European Journal of Physics</i> , <b>2008</b> , 29, N55-N58	0.8	1
57	The lack of rotation in the Trouton-Noble experiment. <i>European Journal of Physics</i> , <b>2006</b> , 27, 1251-1256	0.8	3
56	Quark spin properties at high x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 587, 211-215	4.2	1
55	Phenomenological quark model for baryon magnetic moments and beta decay ratios (GA/GV). <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	35
54	EXACT SOLUTIONS OF THE DIRAC EQUATION FOR MODIFIED COULOMBIC POTENTIALS. <i>International Journal of Modern Physics A</i> , <b>2000</b> , 15, 4355-4360	1.2	3
53	Comment on [Octet baryon magnetic moments in the chiral quark model with configuration mixing] <i>Physical Review D</i> , <b>2000</b> , 61,	4.9	6
52	Statistics of a confined, randomly accelerated particle with inelastic boundary collisions. <i>Physical Review E</i> , <b>2000</b> , 61, 2376-2381	2.4	12

51	A SIMPLE DIRAC WAVE FUNCTION FOR A COULOMB POTENTIAL WITH LINEAR CONFINEMENT. <i>Modern Physics Letters A</i> , <b>1999</b> , 14, 2409-2411	1.3	15
50	New experimental tests of sum rules for charmed baryon masses. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	4
49	Mixing of $\Lambda$ baryons. <i>Physical Review D</i> , <b>1997</b> , 55, 425-426	4.9	9
48	Application of sum rules to heavy baryon masses. <i>Physical Review D</i> , <b>1997</b> , 55, 423-424	4.9	3
47	Sum rules for charmed baryon masses. <i>Physical Review D</i> , <b>1996</b> , 53, 564-565	4.9	10
46	Relativistic calculation of ground-state baryon masses. <i>Nuclear Physics A</i> , <b>1995</b> , 585, 450-462	1.3	2
45	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> , <b>1991</b> , 17, 213-220	2.9	19
44	Proton-proton bremsstrahlung calculations at 280 MeV. <i>Physical Review C</i> , <b>1991</b> , 44, 1296-1310	2.7	27
43	Nucleon distribution amplitude and diquark clustering. <i>Physical Review D</i> , <b>1990</b> , 42, 905-910	4.9	13
42	Theoretical status of baryon magnetic moments. <i>AIP Conference Proceedings</i> , <b>1989</b> ,	0	3
41	Saddle-point variational method for relativistic excited states. <i>Physical Review A</i> , <b>1987</b> , 36, 5839-5840	2.6	2
40	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> , <b>1987</b> , 184, 111-113	4.2	4
39	Saddle-point variational method for the Dirac equation. <i>Physical Review Letters</i> , <b>1985</b> , 54, 2068-2070	7.4	18
38	Pion contributions to baryon magnetic moments. <i>Physical Review D</i> , <b>1984</b> , 30, 1542-1546	4.9	23
37	General quark-model analysis of baryon magnetic moments. <i>Physical Review D</i> , <b>1984</b> , 29, 2648-2651	4.9	32
36	Estimate of the quark-gluon coupling strength from baryon masses. <i>Physical Review D</i> , <b>1982</b> , 25, 1997-1999	4.9	7
35	Deep inelastic proton compton scattering in the rest frame quark-parton model <b>1981</b> , 66, 248-256		
34	Wave-function mixing of flavor-degenerate baryons. <i>Physical Review D</i> , <b>1981</b> , 24, 2910-2917	4.9	47

33	Baryon masses from deep-inelastic scattering. <i>Physical Review D</i> , <b>1980</b> , 21, 241-248	4.9	11
32	Quark-Moment Contributions to Baryon Magnetic Moments. <i>Physical Review Letters</i> , <b>1980</b> , 45, 1607-1610	4.4	22
31	Implications of baryon magnetic moments for the quark model. <i>Physical Review D</i> , <b>1979</b> , 20, 1742-1745	4.9	38
30	Scaling and non-scaling in a rest frame quark-parton model of the proton. <i>Nuclear Physics B</i> , <b>1978</b> , 138, 122-140	2.8	9
29	Multichannel calculations in molecular physics: Study of coupled square wells in an exactly soluble model. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 1744-1754	3.9	2
28	Quark-parton model for the structure function $W_2$ of the proton and neutron in their rest systems. <i>Physical Review D</i> , <b>1977</b> , 16, 21-28	4.9	17
27	Parity of the antiproton. <i>Physical Review D</i> , <b>1977</b> , 16, 910-910	4.9	
26	Mass relations for charmed baryons. <i>Physical Review D</i> , <b>1975</b> , 12, 2077-2081	4.9	33
25	Dispersion relations for the Weinberg amplitudes. <i>Physical Review D</i> , <b>1975</b> , 11, 513-516	4.9	4
24	Meson-Exchange Effects in Neutron-Proton Bremsstrahlung. <i>Physical Review C</i> , <b>1973</b> , 8, 1706-1720	2.7	42
23	Decay Correlations in Resonance Production Using Quarks of Spin $\frac{3}{2}$ . <i>Physical Review D</i> , <b>1971</b> , 3, 166-168	4.9	
22	Comment on "Threshold Kinematic Constraints and Correlations of Helicity Amplitudes". <i>Physical Review D</i> , <b>1970</b> , 2, 811-811	4.9	
21	Quarks of Almost Any Spin. <i>Physical Review</i> , <b>1969</b> , 181, 1984-1988		5
20	Fermion Quarks of Spin $\frac{3}{2}$ . <i>Physical Review</i> , <b>1969</b> , 180, 1583-1587		5
19	Nonstatic Relations between Magnetic Moments in the Quark Model. <i>Physical Review</i> , <b>1969</b> , 182, 1607-1609		51
18	Double Spectral Approximation for Pion Scattering. <i>Physical Review</i> , <b>1969</b> , 184, 1873-1876		
17	A Model of Baryons Made of Quarks with Hidden Spin. <i>Physical Review</i> , <b>1968</b> , 172, 1807-1817		136
16	Electromagnetic Properties of Baryons in a Quark-Diquark Model with Broken $SU(6)$ . <i>Physical Review</i> , <b>1968</b> , 174, 1681-1688		28

15	Threshold Kinematic Constraints and Correlations of Helicity Amplitudes. <i>Physical Review</i> , <b>1968</b> , 170, 1606-1618	18
14	Unsubtracted Pion-Pion Dispersion Relation. <i>Physical Review</i> , <b>1967</b> , 162, 1526-1528	5
13	Kinematic Singularities of Partial-Wave Scattering Amplitudes. <i>Physical Review</i> , <b>1967</b> , 160, 1582-1582	3
12	Study of the $\Delta$ and B Mesons in $\pi$ Scattering. <i>Physical Review</i> , <b>1966</b> , 148, 1501-1514	1
11	Kinematic Singularities of Partial-Wave Scattering Amplitudes. <i>Physical Review</i> , <b>1966</b> , 152, 1437-1441	9
10	Internal Symmetries in Bootstrap Dispersion Relations. <i>Physical Review</i> , <b>1965</b> , 138, B1202-B1207	1
9	Approximate Solution of Partial-Wave Dispersion Relations. <i>Physical Review</i> , <b>1965</b> , 139, B912-B917	4
8	Reciprocal Bootstrap Model for the $\Delta$ and B Mesons. <i>Physical Review</i> , <b>1965</b> , 137, B994-B996	5
7	Solution of a p-Wave Equation for Pion-Pion Scattering. <i>Physical Review</i> , <b>1965</b> , 137, B172-B177	2
6	$Y^*$ and $K^*$ in strong interactions. <i>Nuovo Cimento</i> , <b>1961</b> , 20, 1024-1029	3
5	Possible Theoretical Interpretations of the Excited Hyperons. <i>Physical Review</i> , <b>1961</b> , 124, 1995-1999	6
4	Scattering of $\pi$ Mesons by Nuclei. <i>Physical Review</i> , <b>1958</b> , 111, 296-297	2
3	Scattering of $\pi$ Mesons by Nuclei. <i>Physical Review</i> , <b>1958</b> , 109, 525-528	9
2	Pion Production in Pion-Nucleon Scattering. <i>Physical Review</i> , <b>1957</b> , 105, 1101-1108	24
1	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