Jerrold Franklin

List of Publications by Year
in descending order

72	895	471061 17	476904 29
papers	citations	h-index	g-index

73	73	73	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiation reaction force on an accelerating point charge. International Journal of Modern Physics A, 2022, 37, .	0.5	1
2	Geoff Chew of Illinois. , 2021, , 70-71.		0
3	Complete Lorentz transformation of a charge-current density. International Journal of Modern Physics A, 2020, 35, 2050061.	0.5	3
4	Quark model relations for b-baryon decay. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 085001.	1.4	3
5	What is the force on a magnetic dipole?. European Journal of Physics, 2018, 39, 035201.	0.3	1
6	Response to â€œComment on â€˜The electromagnetic momentum of static charge-current distributionsâ€™ [Am. J. Phys. 83, 279 (2015)]â€• American Journal of Physics, 2015, 83, 280-280.	0.3	0
7	The electromagnetic momentum of static charge-current distributions. American Journal of Physics, 2014, 82, 869-875.	0.3	6
8	Rigid Body Motion in Special Relativity. Foundations of Physics, 2013, 43, 1489-1501.	0.6	6
9	Comment on â€˜Energy flow in a bound electromagnetic field: resolution of apparent paradoxesâ€™. European Journal of Physics, 2010, 31, L17-L20.	0.3	1
10	Lorentz contraction, Bell's spaceships and rigid body motion in special relativity. European Journal of Physics, 2010, 31, 291-298.	0.3	24
11	Comment on â€œSome novel delta-function identitiesâ€•by Charles P. Frahm [Am. J. Phys. 51, 826â€“829 (1983)]. American Journal of Physics, 2010, 78, 1225-1226.	0.3	9
12	The lack of rotation in a moving right angle lever. European Journal of Physics, 2008, 29, N55-N58.	0.3	1
13	The lack of rotation in the Troutonâ€“Noble experiment. European Journal of Physics, 2006, 27, 1251-1256.	0.3	4
14	How High is High x?. AIP Conference Proceedings, 2005, , .	0.3	0
15	Quark spin properties at high x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 587, 211-215.	1.5	1
16	Phenomenological quark model for baryon magnetic moments and beta decay ratios(GA/GV). Physical Review D, 2002, 66, .	1.6	40
17	EXACT SOLUTIONS OF THE DIRAC EQUATION FOR MODIFIED COULOMBIC POTENTIALS. International Journal of Modern Physics A, 2000, 15, 4355-4360.	0.5	3
18	Comment on â€œOctet baryon magnetic moments in the chiral quark model with configuration mixingâ€• Physical Review D, 2000, 61, .	1.6	7

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19	Statistics of a confined, randomly accelerated particle with inelastic boundary collisions. Physical Review E, 2000, 61, 2376-2381.	0.8	14
20	A SIMPLE DIRAC WAVE FUNCTION FOR A COULOMB POTENTIAL WITH LINEAR CONFINEMENT. Modern Physics Letters A, 1999, 14, 2409-2411.	0.5	16
21	New experimental tests of sum rules for charmed baryon masses. Physical Review D, 1999, 59, .	1.6	4
22	Mixing ofÎžcâ^'Îžcâ€²baryons. Physical Review D, 1997, 55, 425-426.	1.6	12
23	Application of sum rules to heavy baryon masses. Physical Review D, 1997, 55, 423-424.	1.6	3
24	Sum rules for charmed baryon masses. Physical Review D, 1996, 53, 564-565.	1.6	10
25	Relativistic calculation of ground-state baryon masses. Nuclear Physics A, 1995, 585, 450-462.	0.6	2
26	The spin content of the proton in the light-cone quark model without SU(3) flavour symmetry. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, 213-220.	1.4	19
27	Proton-proton bremsstrahlung calculations at 280 MeV. Physical Review C, 1991, 44, 1296-1310.	1.1	27
28	Nucleon distribution amplitude and diquark clustering. Physical Review D, 1990, 42, 905-910.	1.6	13
29	Theoretical status of baryon magnetic moments. AIP Conference Proceedings, 1989, , .	0.3	3
30	Saddle-point variational method for relativistic excited states. Physical Review A, 1987, 36, 5839-5840.	1.0	2
31	Evidence for a narrow (S) resonance in pp annihilation at 1937 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 184, 111-113.	1.5	4
32	Saddle point variational method for relativistic bound states. AIP Conference Proceedings, 1985, , .	0.3	0
33	Saddle-Point Variational Method for the Dirac Equation. Physical Review Letters, 1985, 54, 2068-2070.	2.9	19
34	Pion contributions to baryon magnetic moments. Physical Review D, 1984, 30, 1542-1546.	1.6	24
35	General quark-model analysis of baryon magnetic moments. Physical Review D, 1984, 29, 2648-2651.	1.6	32
36	Estimate of the quark-gluon coupling strength from baryon masses. Physical Review D, 1982, 25, 1997-1999.	1.6	7

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37	Sum rule analysis of hyperon magnetic moments. AIP Conference Proceedings, 1982, , .	0.3	0
38	Deep inelastic proton compton scattering in the rest frame quark-parton model. Il Nuovo Cimento A, 1981, 66, 248-256.	0.2	0
39	Wave-function mixing of flavor-degenerate baryons. Physical Review D, 1981, 24, 2910-2917.	1.6	59
40	Baryon masses from deep-inelastic scattering. Physical Review D, 1980, 21, 241-248.	1.6	11
41	Quark-Moment Contributions to Baryon Magnetic Moments. Physical Review Letters, 1980, 45, 1607-1610.	2.9	22
42	Implications of baryon magnetic moments for the quark model. Physical Review D, 1979, 20, 1742-1745.	1.6	38
43	Scaling and non-scaling in a rest frame quark-parton model of the proton. Nuclear Physics B, 1978, 138, 122-140.	0.9	9
44	Multichannel calculations in molecular physics: Study of coupled square wellsâ€”an exactly soluble model. Journal of Chemical Physics, 1977, 66, 1744-1754.	1.2	2
45	Quark-parton model for the structure functionW2of the proton and neutron in their rest systems. Physical Review D, 1977, 16, 21-28.	1.6	17
46	Parity of the antiproton. Physical Review D, 1977, 16, 910-910.	1.6	0
47	Mass relations for charmed baryons. Physical Review D, 1975, 12, 2077-2081.	1.6	36
48	Dispersion relations for the Weinbergï€âˆ'ï€amplitudes. Physical Review D, 1975, 11, 513-516.	1.6	4
49	Meson-Exchange Effects in Neutron-Proton Bremsstrahlung. Physical Review C, 1973, 8, 1706-1720.	1.1	42
50	Decay Correlations in Resonance Production Using Quarks of Spin32. Physical Review D, 1971, 3, 166-168.	1.6	0
51	Comment on "Threshold Kinematic Constraints and Correlations of Helicity Amplitudes". Physical Review D, 1970, 2, 811-811.	1.6	0
52	Quarks of Almost Any Spin. Physical Review, 1969, 181, 1984-1988.	2.7	5
53	Fermion Quarks of Spin32. Physical Review, 1969, 180, 1583-1587.	2.7	7
54	Nonstatic Relations between Magnetic Moments in the Quark Model. Physical Review, 1969, 182, 1607-1609.	2.7	52

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55	Double Spectral Approximation for Pion Scattering. Physical Review, 1969, 184, 1873-1876.	2.7	0
56	A Model of Baryons Made of Quarks with Hidden Spin. Physical Review, 1968, 172, 1807-1817.	2.7	141
57	Electromagnetic Properties of Baryons in a Quark-Diquark Model with BrokenSU(6). Physical Review, 1968, 174, 1681-1688.	2.7	35
58	Threshold Kinematic Constraints and Correlations of Helicity Amplitudes. Physical Review, 1968, 170, 1606-1618.	2.7	18
59	Unsubtracted Pion-Pion Dispersion Relation. Physical Review, 1967, 162, 1526-1528.	2.7	5
60	Kinematic Singularities of Partial-Wave Scattering Amplitudes. Physical Review, 1967, 160, 1582-1582.	2.7	3
61	Study of theÏ€andBMesons inÏ€â^'Ï‰Scattering. Physical Review, 1966, 148, 1501-1514.	2.7	1
62	Kinematic Singularities of Partial-Wave Scattering Amplitudes. Physical Review, 1966, 152, 1437-1441.	2.7	9
63	Internal Symmetries in Bootstrap Dispersion Relations. Physical Review, 1965, 138, B1202-B1207.	2.7	1
64	Approximate Solution of Partial-Wave Dispersion Relations. Physical Review, 1965, 139, B912-B917.	2.7	4
65	Reciprocal Bootstrap Model for theÏ€andBMesons. Physical Review, 1965, 137, B994-B996.	2.7	5
66	Solution of ap-Wave Equation for Pion-Pion Scattering. Physical Review, 1965, 137, B172-B177.	2.7	2
67	Y* and K* in strong interactions. Nuovo Cimento, 1961, 20, 1024-1029.	1.0	3
68	Possible Theoretical Interpretations of the Excited Hyperons. Physical Review, 1961, 124, 1995-1999.	2.7	6
69	Scattering ofÎ¼â^'Mesons by Nuclei. Physical Review, 1958, 111, 296-297.	2.7	2
70	Scattering ofÎ¼â^'Mesons by Nuclei. Physical Review, 1958, 109, 525-528.	2.7	10
71	Pion Production in Pion-Nucleon Scattering. Physical Review, 1957, 105, 1101-1108.	2.7	24
72	Comment on: â€œLorentz transformation of a charge-current density and â€˜relativistic polarizationâ€™ of a moving current loopâ€• International Journal of Modern Physics A, 0, , 2175001.	0.5	1