Frank Wilczek

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.

29,068 66 182 170 h-index g-index citations papers 229 31,797 11.4 7.39 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
182	Entanglement Enabled Intensity Interferometry of different wavelengths of light. <i>Annals of Physics</i> , 2021 , 424, 168346	2.5	1
181	Signatures of the quantization of gravity at gravitational wave detectors. <i>Physical Review D</i> , 2021 , 104,	4.9	8
180	Improved Spatial Resolution Achieved by Chromatic Intensity Interferometry. <i>Physical Review Letters</i> , 2021 , 127, 103601	7.4	1
179	Quantum Mechanics of Gravitational Waves. <i>Physical Review Letters</i> , 2021 , 127, 081602	7.4	6
178	Adiabatic construction of hierarchical quantum Hall states. <i>Physical Review B</i> , 2021 , 104,	3.3	2
177	Geometric Induction in Chiral Superconductors. <i>Physical Review Letters</i> , 2020 , 124, 197001	7·4	2
176	Freeman Dyson (1923-2020). <i>Science</i> , 2020 , 368, 715	33.3	
175	Quantum Overlapping Tomography. Physical Review Letters, 2020, 124, 100401	7·4	21
174	Spectroscopy of Spinons in Coulomb Quantum Spin Liquids. <i>Physical Review Letters</i> , 2020 , 124, 097204	7.4	4
173	Finite thermal particle creation of Casimir light. <i>Modern Physics Letters A</i> , 2020 , 35, 2040006	1.3	10
172	Black and white holes at material junctions. <i>Physical Review Research</i> , 2020 , 2,	3.9	5
171	Chromatic interferometry with small frequency differences. <i>Optics Express</i> , 2020 , 28, 32294-32301	3.3	2
170	Quantum independent-set problem and non-Abelian adiabatic mixing. <i>Physical Review A</i> , 2020 , 101,	2.6	5
169	The noise of gravitons. International Journal of Modern Physics D, 2020, 29, 2042001	2.2	19
168	Regularizations of time-crystal dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18772-18776	11.5	10
167	Tunable Axion Plasma Haloscopes. <i>Physical Review Letters</i> , 2019 , 123, 141802	7.4	68
166	Quantum atmospherics for materials diagnosis. <i>Physical Review B</i> , 2019 , 99,	3.3	3

165	Chiral Casimir forces: Repulsive, enhanced, tunable. <i>Physical Review B</i> , 2019 , 99,	3.3	25
164	Axial Casimir force. <i>Physical Review B</i> , 2019 , 99,	3.3	6
163	Truncated dynamics, ring molecules, and mechanical time crystals. <i>Physical Review A</i> , 2019 , 99,	2.6	8
162	Color Erasure Detectors Enable Chromatic Interferometry. <i>Physical Review Letters</i> , 2019 , 123, 243601	7.4	6
161	Light, the universe and everything 🛘 2 Herculean tasks for quantum cowboys and black diamond skiers. <i>Journal of Modern Optics</i> , 2018 , 65, 1261-1308	1.1	5
160	Dilute and dense axion stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 64-72	4.2	98
159	A Friendly Ghost Story 2018 , 33-34		
158	SO(3) family symmetry and axions. <i>Physical Review D</i> , 2018 , 98,	4.9	12
157	Superdensity operators for spacetime quantum mechanics. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
156	Inflation driven by unification energy. <i>Physical Review D</i> , 2017 , 95,	4.9	4
156 155	Inflation driven by unification energy. <i>Physical Review D</i> , 2017 , 95, Experimental test of entangled histories. <i>Annals of Physics</i> , 2017 , 387, 334-347	4·9 2.5	5
			4516
155	Experimental test of entangled histories. <i>Annals of Physics</i> , 2017 , 387, 334-347 A model of comprehensive unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and</i>	2.5	
155	Experimental test of entangled histories. <i>Annals of Physics</i> , 2017 , 387, 334-347 A model of comprehensive unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 667-670 Statistics of Fractionalized Excitations through Threshold Spectroscopy. <i>Physical Review Letters</i> ,	2.5	16
155 154 153	Experimental test of entangled histories. <i>Annals of Physics</i> , 2017 , 387, 334-347 A model of comprehensive unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 667-670 Statistics of Fractionalized Excitations through Threshold Spectroscopy. <i>Physical Review Letters</i> , 2017 , 118, 227201 Unification of force and substance. <i>Philosophical Transactions Series A, Mathematical, Physical, and</i>	2.5 4.2 7.4	16
155 154 153 152	Experimental test of entangled histories. <i>Annals of Physics</i> , 2017 , 387, 334-347 A model of comprehensive unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 667-670 Statistics of Fractionalized Excitations through Threshold Spectroscopy. <i>Physical Review Letters</i> , 2017 , 118, 227201 Unification of force and substance. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	2.5 4.2 7.4	1625615
155 154 153 152 151	Experimental test of entangled histories. <i>Annals of Physics</i> , 2017 , 387, 334-347 A model of comprehensive unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 667-670 Statistics of Fractionalized Excitations through Threshold Spectroscopy. <i>Physical Review Letters</i> , 2017 , 118, 227201 Unification of force and substance. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374, Entangled histories. <i>Physica Scripta</i> , 2016 , T168, 014004	2.5 4.2 7.4 3 2.6	1625615

147	Multiversality. Classical and Quantum Gravity, 2013, 30, 193001	3.3	6
146	Algebra of Majorana doubling. <i>Physical Review Letters</i> , 2013 , 111, 226402	7.4	17
145	Superfluidity and space-time translation symmetry breaking. <i>Physical Review Letters</i> , 2013 , 111, 250402	2 7.4	63
144	Wilczek reply:. <i>Physical Review Letters</i> , 2013 , 110, 118902	7.4	27
143	Physics: The enigmatic electron. <i>Nature</i> , 2013 , 498, 31-2	50.4	23
142	Ken Wilson: a scientific appreciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12855-6	11.5	1
141	Origins of mass. <i>Open Physics</i> , 2012 , 10,	1.3	15
140	Branched quantization. <i>Physical Review Letters</i> , 2012 , 109, 200402	7.4	21
139	Quantum time crystals. <i>Physical Review Letters</i> , 2012 , 109, 160401	7.4	370
138	Classical time crystals. <i>Physical Review Letters</i> , 2012 , 109, 160402	7.4	159
137	BCS AS FOUNDATION AND INSPIRATION: THE TRANSMUTATION OF SYMMETRY. <i>Modern Physics Letters A</i> , 2010 , 25, 3169-3189	1.3	4
136	BCS AS FOUNDATION AND INSPIRATION: THE TRANSMUTATION OF SYMMETRY 2010 , 535-558		2
135	Majorana returns. <i>Nature Physics</i> , 2009 , 5, 614-618	16.2	697
134	Running inflation in the Standard Model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 678, 1-8	4.2	302
133	Anticipating a new Golden Age. European Physical Journal C, 2009, 59, 185-196	4.2	2
132	Axion cosmology and the energy scale of inflation. <i>Physical Review D</i> , 2008 , 78,	4.9	144
131	ANTICIPATING A NEW GOLDEN AGE. International Journal of Modern Physics A, 2008, 23, 1791-1811	1.2	8
130	Anticipating a New Golden Age 2008 , 233-257		1

129	Stability conditions and Fermi surface topologies in a superconductor. <i>Physical Review B</i> , 2006 , 74,	3.3	40
128	Hawking radiation from charged black holes via gauge and gravitational anomalies. <i>Physical Review Letters</i> , 2006 , 96, 151302	7.4	199
127	THE UNIVERSE IS A STRANGE PLACE. International Journal of Modern Physics A, 2006, 21, 2011-2025	1.2	6
126	Dimensionless constants, cosmology, and other dark matters. <i>Physical Review D</i> , 2006 , 73,	4.9	233
125	THE ORIGIN OF MASS. Modern Physics Letters A, 2006, 21, 701-712	1.3	15
124	Gravitational correction to running of gauge couplings. <i>Physical Review Letters</i> , 2006 , 96, 231601	7.4	103
123	Anomalies, Hawking radiations, and regularity in rotating black holes. <i>Physical Review D</i> , 2006 , 74,	4.9	189
122	HADRON SYSTEMATICS AND EMERGENT DIQUARKS 2006,		30
121	YANGMILLS THEORY IN, BEYOND, AND BEHIND OBSERVED REALITY 2005 , 255-267		
120	In search of symmetry lost. <i>Nature</i> , 2005 , 433, 239-47	50.4	32
119	In search of symmetry lost. <i>Nature</i> , 2005 , 433, 239-47 An explorer and surveyor. <i>Nature</i> , 2005 , 437, 1095	50.4	32
			32 13
119	An explorer and surveyor. <i>Nature</i> , 2005 , 437, 1095		13
119	An explorer and surveyor. <i>Nature</i> , 2005 , 437, 1095 DIQUARKS AS INSPIRATION AND AS OBJECTS 2005 , 77-93 Nobel Lecture: Asymptotic freedom: From paradox to paradigm*. <i>Reviews of Modern Physics</i> , 2005 ,	50.4	13
119 118 117	An explorer and surveyor. <i>Nature</i> , 2005 , 437, 1095 DIQUARKS AS INSPIRATION AND AS OBJECTS 2005 , 77-93 Nobel Lecture: Asymptotic freedom: From paradox to paradigm*. <i>Reviews of Modern Physics</i> , 2005 , 77, 857-870 Asymptotic freedom: from paradox to paradigm. <i>Proceedings of the National Academy of Sciences of</i>	50.4	13 25 25
119 118 117 116	An explorer and surveyor. <i>Nature</i> , 2005 , 437, 1095 DIQUARKS AS INSPIRATION AND AS OBJECTS 2005 , 77-93 Nobel Lecture: Asymptotic freedom: From paradox to paradigm*. <i>Reviews of Modern Physics</i> , 2005 , 77, 857-870 Asymptotic freedom: from paradox to paradigm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8403-13	50.4 40.5 11.5	13 25 25
119 118 117 116	An explorer and surveyor. <i>Nature</i> , 2005 , 437, 1095 DIQUARKS AS INSPIRATION AND AS OBJECTS 2005 , 77-93 Nobel Lecture: Asymptotic freedom: From paradox to paradigm*. <i>Reviews of Modern Physics</i> , 2005 , 77, 857-870 Asymptotic freedom: from paradox to paradigm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8403-13 From Rhot wrongRto (maybe right). <i>Nature</i> , 2004 , 428, 261	50.4 40.5 11.5	13 25 25 2

111	Spin-dependent Hubbard model and a quantum phase transition in cold atoms. <i>Physical Review A</i> , 2004 , 70,	2.6	82
110	The Dirac Equation. International Journal of Modern Physics A, 2004, 19, 45-74	1.2	2
109	QCD and Natural Philosophy. <i>Annales Henri Poincare</i> , 2003 , 4, 211-228	1.2	13
108	Diquarks and exotic spectroscopy. <i>Physical Review Letters</i> , 2003 , 91, 232003	7.4	583
107	Setting standards. <i>Nature</i> , 2002 , 415, 265	50.4	6
106	Observability of earth-skimming ultrahigh energy neutrinos. <i>Physical Review Letters</i> , 2002 , 88, 161102	7.4	120
105	Scaling Mount Planck III: Is That All There Is?. <i>Physics Today</i> , 2002 , 55, 10-11	0.9	9
104	SOME BASIC ASPECTS OF FRACTIONAL QUANTUM NUMBERS. World Scientific Series in 20th Century Physics, 2002 , 135-152	Ο	1
103	When words fail. <i>Nature</i> , 2001 , 410, 149-149	50.4	1
102	FUTURE SUMMARY. International Journal of Modern Physics A, 2001 , 16, 1653-1677	1.2	6
101	FUTURE SUMMARY. International Journal of Modern Physics A, 2001 , 16, 129-153	1.2	1
100	THE CONDENSED MATTER PHYSICS OF QCD 2001 , 2061-2151		66
99	Enforced electrical neutrality of the color-flavor locked phase. <i>Physical Review Letters</i> , 2001 , 86, 3492-5	7.4	229
98	Minimal color-flavor-lockedBuclear interface. <i>Physical Review D</i> , 2001 , 64,	4.9	192
97	Josephson effect without superconductivity: realization in quantum Hall bilayers. <i>Physical Review Letters</i> , 2001 , 86, 1833-6	7.4	92
96	Particle physics. Backyard exotica. <i>Nature</i> , 2000 , 404, 452-3	50.4	1
95	Minimal potentials with very many minima. <i>Physical Review Letters</i> , 2000 , 84, 2285-9	7.4	3
94	Charged stripes from an alternating static magnetic field. <i>Physical Review B</i> , 2000 , 62, 4208-4210	3.3	2

(1993-2000)

93	The Quantum Theory of Fields, Vol. 3: Supersymmetry. <i>Physics Today</i> , 2000 , 53, 55-56	0.9	5
92	Hawking radiation As tunneling. <i>Physical Review Letters</i> , 2000 , 85, 5042-5	7.4	1339
91	Continuity of Quark and Hadron Matter. <i>Physical Review Letters</i> , 1999 , 82, 3956-3959	7.4	262
90	Color superconductivity and signs of its formation. <i>Nuclear Physics A</i> , 1998 , 638, 515c-518c	1.3	17
89	LECTURES ON BLACK HOLE QUANTUM MECHANICS. <i>International Journal of Modern Physics A</i> , 1998 , 13, 5279-5372	1.2	2
88	Riemann-Einstein Structure from Volume and Gauge Symmetry. <i>Physical Review Letters</i> , 1998 , 80, 4851-	-4 , 8. <u>5</u> 4	66
87	THE FUTURE OF PARTICLE PHYSICS AS A NATURAL SCIENCE. <i>International Journal of Modern Physics A</i> , 1998 , 13, 863-886	1.2	6
86	Resolution of cosmological singularities in string theory. <i>Physical Review D</i> , 1997 , 55, 4591-4595	4.9	32
85	Cross-Confinement in Multi-Chern-Simons Theories. <i>Physical Review Letters</i> , 1997 , 78, 4679-4681	7.4	6
84	Populated Domain Walls. <i>Physical Review Letters</i> , 1997 , 78, 2465-2468	7.4	49
83	2n-quasihole states realize 2n🛭-dimensional spinor braiding statistics in paired quantum Hall states. <i>Nuclear Physics B</i> , 1996 , 479, 529-553	2.8	377
82	PHYSICAL PROPERTIES OF METALS FROM A RENORMALIZATION GROUP STANDPOINT. International Journal of Modern Physics B, 1996 , 10, 847-862	1.1	3
81	Quantum Numbers of Textured Hall Effect Quasiparticles. <i>Physical Review Letters</i> , 1996 , 77, 4418-4421	7.4	13
80	Experimental Consequences of a Minimal Messenger Model for Supersymmetry Breaking. <i>Physical Review Letters</i> , 1996 , 77, 3070-3073	7.4	100
79	POSSIBLE ELECTRONIC STRUCTURE OF DOMAIN WALLS IN MOTT INSULATORS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 2125-2136	1.1	16
78	Exclusion statistics: Low-temperature properties, fluctuations, duality, and applications. <i>Physical Review Letters</i> , 1994 , 73, 2740-2743	7.4	116
77	Remarks on hot QCD. <i>Nuclear Physics A</i> , 1994 , 566, 123-132	1.3	19
76	Beyond the Standard Model. <i>Annals of the New York Academy of Sciences</i> , 1993 , 688, 94-112	6.5	

75	Static and dynamic critical phenomena at a second order QCD phase transition. <i>Nuclear Physics B</i> , 1993 , 399, 395-425	2.8	405
74	Paired Hall states in double-layer electron systems. <i>Physical Review B</i> , 1992 , 46, 9586-9589	3.3	33
73	Disassembling anyons. <i>Physical Review Letters</i> , 1992 , 69, 132-135	7.4	45
72	Internal frame dragging and a global analog of the Aharonov-Bohm effect. <i>Physical Review Letters</i> , 1992 , 68, 2567-2571	7.4	24
71	Paired Hall states. <i>Nuclear Physics B</i> , 1992 , 374, 567-614	2.8	307
70	Exact solutions and the adiabatic heuristic for quantum Hall states. <i>Nuclear Physics B</i> , 1992 , 370, 577-60	0© .8	31
69	Quantum hair and quantum gravity. General Relativity and Gravitation, 1992, 24, 9-16	2.3	4
68	Growing hair on black holes. <i>Physical Review Letters</i> , 1991 , 67, 1975-1978	7.4	56
67	Inflationary axion cosmology. <i>Physical Review Letters</i> , 1991 , 66, 5-8	7.4	133
66	Paired Hall state at half filling. <i>Physical Review Letters</i> , 1991 , 66, 3205-3208	7.4	313
65	Interactions and excitations of non-Abelian vortices. <i>Physical Review Letters</i> , 1990 , 64, 1632-1635	7.4	79
64	Space-time approach to holonomy scattering. <i>Physical Review Letters</i> , 1990 , 65, 13-16	7.4	33
63	Positron line radiation as a signature of particle dark matter in the halo. <i>Physical Review D</i> , 1990 , 42, 10	04:90	07 110
62	Relic gravitational waves and extended inflation. <i>Physical Review Letters</i> , 1990 , 65, 3080-3083	7.4	138
61	HEURISTIC PRINCIPLE FOR QUANTIZED HALL STATES. Modern Physics Letters B, 1990, 04, 1063-1069	1.6	51
60	Fractional Statistics and Anyon Superconductivity. <i>Series on Directions in Condensed Matter Physics</i> , 1990 ,		516
59	Consequences of time-reversal-symmetry violation in models of high-Tc superconductors. <i>Physical Review B</i> , 1989 , 40, 8726-8744	3.3	152
58	Discrete gauge symmetry in continuum theories. <i>Physical Review Letters</i> , 1989 , 62, 1221-1223	7.4	497

57	Efficiencies of self-propulsion at low Reynolds number. <i>Journal of Fluid Mechanics</i> , 1989 , 198, 587	3.7	79
56	Geometry of self-propulsion at low Reynolds number. <i>Journal of Fluid Mechanics</i> , 1989 , 198, 557	3.7	252
55	Chiral spin states and superconductivity. <i>Physical Review B</i> , 1989 , 39, 11413-11423	3.3	809
54	Gauge kinematics of deformable bodies. American Journal of Physics, 1989, 57, 514-518	0.7	38
53	Aharonov-Bohm interaction of cosmic strings with matter. <i>Physical Review Letters</i> , 1989 , 62, 1071-1074	7.4	219
52	Possible new form of spontaneous T violation. <i>Physical Review Letters</i> , 1988 , 61, 2066-2068	7.4	68
51	Lattice fermions. <i>Physical Review Letters</i> , 1987 , 59, 2397-2400	7.4	49
50	Two applications of axion electrodynamics. <i>Physical Review Letters</i> , 1987 , 58, 1799-1802	7.4	511
49	Self-propulsion at low Reynolds number. <i>Physical Review Letters</i> , 1987 , 58, 2051-2054	7.4	142
48	Macroscopic T nonconservation: Prospects for a new experiment. <i>Physical Review Letters</i> , 1986 , 56, 162	3 7 14626	i 16
48	Macroscopic T nonconservation: Prospects for a new experiment. <i>Physical Review Letters</i> , 1986 , 56, 162 Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , 1986 , 33, 2079-2	, , <u> </u>	192
		, , <u> </u>	
47	Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , 1986 , 33, 2079-2007. Realizations of magnetic-monopole gauge fields: Diatoms and spin precession. <i>Physical Review</i>	20,83	192
47	Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , 1986 , 33, 2079-2007. Realizations of magnetic-monopole gauge fields: Diatoms and spin precession. <i>Physical Review Letters</i> , 1986 , 56, 893-896	7.4	192 254
47 46 45	Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , 1986 , 33, 2079-20. Realizations of magnetic-monopole gauge fields: Diatoms and spin precession. <i>Physical Review Letters</i> , 1986 , 56, 893-896 Calculations for cosmic axion detection. <i>Physical Review Letters</i> , 1985 , 55, 1797-1800	7.4 7.4	192 254 129
47 46 45 44	Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , 1986 , 33, 2079-20. Realizations of magnetic-monopole gauge fields: Diatoms and spin precession. <i>Physical Review Letters</i> , 1986 , 56, 893-896. Calculations for cosmic axion detection. <i>Physical Review Letters</i> , 1985 , 55, 1797-1800. Solar-neutrino oscillations. <i>Physical Review Letters</i> , 1985 , 55, 122-125. Resonant scattering and charm showers in ultrahigh-energy neutrino interactions. <i>Physical Review</i>	7.4 7.4	192 254 129
47 46 45 44 43	Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , 1986 , 33, 2079-22. Realizations of magnetic-monopole gauge fields: Diatoms and spin precession. <i>Physical Review Letters</i> , 1986 , 56, 893-896. Calculations for cosmic axion detection. <i>Physical Review Letters</i> , 1985 , 55, 1797-1800. Solar-neutrino oscillations. <i>Physical Review Letters</i> , 1985 , 55, 122-125. Resonant scattering and charm showers in ultrahigh-energy neutrino interactions. <i>Physical Review Letters</i> , 1985 , 55, 1252-1253.	7.4 7.4 7.4	192 254 129 33

39	Fractional Statistics and the Quantum Hall Effect. <i>Physical Review Letters</i> , 1984 , 53, 722-723	7.4	779
38	Illustrations of vacuum polarization by solitons. <i>Physical Review D</i> , 1984 , 30, 2194-2200	4.9	62
37	Remarks on the chiral phase transition in chromodynamics. <i>Physical Review D</i> , 1984 , 29, 338-341	4.9	827
36	Appearance of Gauge Structure in Simple Dynamical Systems. <i>Physical Review Letters</i> , 1984 , 52, 2111-2	.1 1/4 4	1243
35	New macroscopic forces?. <i>Physical Review D</i> , 1984 , 30, 130-138	4.9	283
34	ParticleEntiparticle annihilation in diffusive motion. <i>Journal of Chemical Physics</i> , 1983 , 78, 2642-2647	3.9	673
33	Linking Numbers, Spin, and Statistics of Solitons. <i>Physical Review Letters</i> , 1983 , 51, 2250-2252	7.4	609
32	Cosmology of the invisible axion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 120, 127-132	4.2	1565
31	Physical processes involving Majorana neutrinos. <i>Physical Review D</i> , 1982 , 25, 143-148	4.9	54
30	Monopoleflux-tube repulsion in strong coupling. <i>Physical Review D</i> , 1982 , 26, 3685-3688	4.9	
29	Boundedness from below of the SU(5) Higgs potential. <i>Physical Review D</i> , 1982 , 26, 3679-3684	4.9	
28	Families from spinors. <i>Physical Review D</i> , 1982 , 25, 553-565	4.9	162
27	Remarks on Dyons. <i>Physical Review Letters</i> , 1982 , 48, 1146-1149	7.4	158
26	Axions and Family Symmetry Breaking. <i>Physical Review Letters</i> , 1982 , 49, 1549-1552	7.4	335
25	Quantum Mechanics of Fractional-Spin Particles. <i>Physical Review Letters</i> , 1982 , 49, 957-959	7.4	1113
24	Magnetic Flux, Angular Momentum, and Statistics. <i>Physical Review Letters</i> , 1982 , 48, 1144-1146	7.4	888
23	Reheating an Inflationary Universe. <i>Physical Review Letters</i> , 1982 , 48, 1437-1440	7.4	383
22	Is our vacuum metastable?. <i>Nature</i> , 1982 , 298, 633-634	50.4	49

21	Supersymmetry and the scale of unification. <i>Physical Review D</i> , 1981 , 24, 1681-1683	4.9	581
20	Fractional Quantum Numbers on Solitons. <i>Physical Review Letters</i> , 1981 , 47, 986-989	7.4	631
19	Constraints on heavy neutrinos. <i>Nature</i> , 1981 , 289, 777-778	50.4	27
18	The Cosmic Asymmetry between Matter and Antimatter. Scientific American, 1980, 243, 82-90	0.5	15
17	Light-quark masses and isospin violation. <i>Physical Review D</i> , 1979 , 19, 2188-2196	4.9	135
16	Matter-antimatter accounting, thermodynamics, and black-hole radiation. <i>Physical Review D</i> , 1979 , 19, 1036-1045	4.9	197
15	Operator Analysis of Nucleon Decay. <i>Physical Review Letters</i> , 1979 , 43, 1571-1573	7.4	404
14	SU(3) Predictions for Charmed-Meson Decays. <i>Physical Review Letters</i> , 1979 , 43, 816-817	7.4	48
13	Interference Effects in Charmed-Meson Decays. <i>Physical Review Letters</i> , 1979 , 43, 1059-1062	7.4	3
12	Effect of instantons on the heavy-quark potential. <i>Physical Review D</i> , 1978 , 18, 4684-4692	4.9	50
11	Possible new species of quarks and hadrons. <i>Physical Review D</i> , 1977 , 16, 860-868	4.9	29
10	Rare muon decays, heavy leptons, and CP violation. <i>Physical Review D</i> , 1977 , 16, 152-157	4.9	33
9	Orientation of the weak interaction with respect to the strong interaction. <i>Physical Review D</i> , 1977 , 15, 3701-3710	4.9	1
8	Rare Muon Decays, Natural Lepton Models, and Doubly Charged Leptons. <i>Physical Review Letters</i> , 1977 , 38, 531-533	7.4	66
7	⊞12rule and right-handed currents: Heavy-quark expansion and limitation on Zweigß rule. <i>Physical Review D</i> , 1977 , 15, 2660-2667	4.9	15
6	Decays of Heavy Vector Mesons into Higgs Particles. <i>Physical Review Letters</i> , 1977 , 39, 1304-1306	7.4	442
5	Asymptotically free gauge theories. II. <i>Physical Review D</i> , 1974 , 9, 980-993	4.9	479
4	Ultraviolet Behavior of Non-Abelian Gauge Theories. <i>Physical Review Letters</i> , 1973 , 30, 1343-1346	7.4	2618

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2	Enlightenment, knowledge, ignorance, temptation43-54	2

Asymptotically Free Gauge Theories. I. Physical Review D, 1973, 8, 3633-3652

A model of anthropic reasoning: the dark to ordinary matter ratio151-162