

# Frank Wilczek

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5501418/frank-wilczek-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

182  
papers

29,068  
citations

66  
h-index

170  
g-index

229  
ext. papers

31,797  
ext. citations

11.4  
avg, IF

7.39  
L-index

#	Paper	IF	Citations
182	Ultraviolet Behavior of Non-Abelian Gauge Theories. <i>Physical Review Letters</i> , <b>1973</b> , 30, 1343-1346	7.4	2618
181	Cosmology of the invisible axion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1983</b> , 120, 127-132	4.2	1565
180	Hawking radiation As tunneling. <i>Physical Review Letters</i> , <b>2000</b> , 85, 5042-5	7.4	1339
179	Appearance of Gauge Structure in Simple Dynamical Systems. <i>Physical Review Letters</i> , <b>1984</b> , 52, 2111-2114	7.4	1243
178	Quantum Mechanics of Fractional-Spin Particles. <i>Physical Review Letters</i> , <b>1982</b> , 49, 957-959	7.4	1113
177	Magnetic Flux, Angular Momentum, and Statistics. <i>Physical Review Letters</i> , <b>1982</b> , 48, 1144-1146	7.4	888
176	Asymptotically Free Gauge Theories. I. <i>Physical Review D</i> , <b>1973</b> , 8, 3633-3652	4.9	865
175	Remarks on the chiral phase transition in chromodynamics. <i>Physical Review D</i> , <b>1984</b> , 29, 338-341	4.9	827
174	Chiral spin states and superconductivity. <i>Physical Review B</i> , <b>1989</b> , 39, 11413-11423	3.3	809
173	Fractional Statistics and the Quantum Hall Effect. <i>Physical Review Letters</i> , <b>1984</b> , 53, 722-723	7.4	779
172	Majorana returns. <i>Nature Physics</i> , <b>2009</b> , 5, 614-618	16.2	697
171	Particle-antiparticle annihilation in diffusive motion. <i>Journal of Chemical Physics</i> , <b>1983</b> , 78, 2642-2647	3.9	673
170	Fractional Quantum Numbers on Solitons. <i>Physical Review Letters</i> , <b>1981</b> , 47, 986-989	7.4	631
169	Linking Numbers, Spin, and Statistics of Solitons. <i>Physical Review Letters</i> , <b>1983</b> , 51, 2250-2252	7.4	609
168	Diquarks and exotic spectroscopy. <i>Physical Review Letters</i> , <b>2003</b> , 91, 232003	7.4	583
167	Supersymmetry and the scale of unification. <i>Physical Review D</i> , <b>1981</b> , 24, 1681-1683	4.9	581
166	Fractional Statistics and Anyon Superconductivity. <i>Series on Directions in Condensed Matter Physics</i> , <b>1990</b> ,		516

165	Two applications of axion electrodynamics. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1799-1802	7.4	511
164	Discrete gauge symmetry in continuum theories. <i>Physical Review Letters</i> , <b>1989</b> , 62, 1221-1223	7.4	497
163	Asymptotically free gauge theories. II. <i>Physical Review D</i> , <b>1974</b> , 9, 980-993	4.9	479
162	Decays of Heavy Vector Mesons into Higgs Particles. <i>Physical Review Letters</i> , <b>1977</b> , 39, 1304-1306	7.4	442
161	Static and dynamic critical phenomena at a second order QCD phase transition. <i>Nuclear Physics B</i> , <b>1993</b> , 399, 395-425	2.8	405
160	Operator Analysis of Nucleon Decay. <i>Physical Review Letters</i> , <b>1979</b> , 43, 1571-1573	7.4	404
159	Reheating an Inflationary Universe. <i>Physical Review Letters</i> , <b>1982</b> , 48, 1437-1440	7.4	383
158	$2n$ -quasihole states realize $2n\pi$ -dimensional spinor braiding statistics in paired quantum Hall states. <i>Nuclear Physics B</i> , <b>1996</b> , 479, 529-553	2.8	377
157	Quantum time crystals. <i>Physical Review Letters</i> , <b>2012</b> , 109, 160401	7.4	370
156	Axions and Family Symmetry Breaking. <i>Physical Review Letters</i> , <b>1982</b> , 49, 1549-1552	7.4	335
155	Paired Hall state at half filling. <i>Physical Review Letters</i> , <b>1991</b> , 66, 3205-3208	7.4	313
154	Paired Hall states. <i>Nuclear Physics B</i> , <b>1992</b> , 374, 567-614	2.8	307
153	Running inflation in the Standard Model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 678, 1-8	4.2	302
152	New macroscopic forces?. <i>Physical Review D</i> , <b>1984</b> , 30, 130-138	4.9	283
151	Continuity of Quark and Hadron Matter. <i>Physical Review Letters</i> , <b>1999</b> , 82, 3956-3959	7.4	262
150	Realizations of magnetic-monopole gauge fields: Diatoms and spin precession. <i>Physical Review Letters</i> , <b>1986</b> , 56, 893-896	7.4	254
149	Geometry of self-propulsion at low Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 198, 557	3.7	252
148	Dimensionless constants, cosmology, and other dark matters. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	233

147	Enforced electrical neutrality of the color-flavor locked phase. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3492-5	7.4	229
146	Aharonov-Bohm interaction of cosmic strings with matter. <i>Physical Review Letters</i> , <b>1989</b> , 62, 1071-1074	7.4	219
145	Hawking radiation from charged black holes via gauge and gravitational anomalies. <i>Physical Review Letters</i> , <b>2006</b> , 96, 151302	7.4	199
144	Matter-antimatter accounting, thermodynamics, and black-hole radiation. <i>Physical Review D</i> , <b>1979</b> , 19, 1036-1045	4.9	197
143	Minimal color-flavor-locked nuclear interface. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	192
142	Solar System constraints and signatures for dark-matter candidates. <i>Physical Review D</i> , <b>1986</b> , 33, 2079-2083	7.4	192
141	Anomalies, Hawking radiations, and regularity in rotating black holes. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	189
140	Bolometric detection of neutrinos. <i>Physical Review Letters</i> , <b>1985</b> , 55, 25-28	7.4	169
139	Families from spinors. <i>Physical Review D</i> , <b>1982</b> , 25, 553-565	4.9	162
138	Classical time crystals. <i>Physical Review Letters</i> , <b>2012</b> , 109, 160402	7.4	159
137	Remarks on Dyons. <i>Physical Review Letters</i> , <b>1982</b> , 48, 1146-1149	7.4	158
136	Consequences of time-reversal-symmetry violation in models of high-T <sub>c</sub> superconductors. <i>Physical Review B</i> , <b>1989</b> , 40, 8726-8744	3.3	152
135	Axion cosmology and the energy scale of inflation. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	144
134	Self-propulsion at low Reynolds number. <i>Physical Review Letters</i> , <b>1987</b> , 58, 2051-2054	7.4	142
133	Relic gravitational waves and extended inflation. <i>Physical Review Letters</i> , <b>1990</b> , 65, 3080-3083	7.4	138
132	Light-quark masses and isospin violation. <i>Physical Review D</i> , <b>1979</b> , 19, 2188-2196	4.9	135
131	Inflationary axion cosmology. <i>Physical Review Letters</i> , <b>1991</b> , 66, 5-8	7.4	133
130	Calculations for cosmic axion detection. <i>Physical Review Letters</i> , <b>1985</b> , 55, 1797-1800	7.4	129

129	Observability of earth-skimming ultrahigh energy neutrinos. <i>Physical Review Letters</i> , <b>2002</b> , 88, 161102	7.4	120
128	Exclusion statistics: Low-temperature properties, fluctuations, duality, and applications. <i>Physical Review Letters</i> , <b>1994</b> , 73, 2740-2743	7.4	116
127	Positron line radiation as a signature of particle dark matter in the halo. <i>Physical Review D</i> , <b>1990</b> , 42, 1004-1007	7.4	110
126	Gravitational correction to running of gauge couplings. <i>Physical Review Letters</i> , <b>2006</b> , 96, 231601	7.4	103
125	Experimental Consequences of a Minimal Messenger Model for Supersymmetry Breaking. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3070-3073	7.4	100
124	Dilute and dense axion stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 64-72	4.2	98
123	Josephson effect without superconductivity: realization in quantum Hall bilayers. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1833-6	7.4	92
122	Spin-dependent Hubbard model and a quantum phase transition in cold atoms. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	82
121	Efficiencies of self-propulsion at low Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 198, 587	3.7	79
120	Interactions and excitations of non-Abelian vortices. <i>Physical Review Letters</i> , <b>1990</b> , 64, 1632-1635	7.4	79
119	Tunable Axion Plasma Haloscopes. <i>Physical Review Letters</i> , <b>2019</b> , 123, 141802	7.4	68
118	Possible new form of spontaneous T violation. <i>Physical Review Letters</i> , <b>1988</b> , 61, 2066-2068	7.4	68
117	THE CONDENSED MATTER PHYSICS OF QCD <b>2001</b> , 2061-2151		66
116	Riemann-Einstein Structure from Volume and Gauge Symmetry. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4851-4854	7.4	66
115	Rare Muon Decays, Natural Lepton Models, and Doubly Charged Leptons. <i>Physical Review Letters</i> , <b>1977</b> , 38, 531-533	7.4	66
114	Foundations and working pictures in microphysical cosmology. <i>Physics Reports</i> , <b>1984</b> , 104, 143-157	27.7	64
113	Superfluidity and space-time translation symmetry breaking. <i>Physical Review Letters</i> , <b>2013</b> , 111, 250402	7.4	63
112	Illustrations of vacuum polarization by solitons. <i>Physical Review D</i> , <b>1984</b> , 30, 2194-2200	4.9	62

111	Growing hair on black holes. <i>Physical Review Letters</i> , <b>1991</b> , 67, 1975-1978	7.4	56
110	Physical processes involving Majorana neutrinos. <i>Physical Review D</i> , <b>1982</b> , 25, 143-148	4.9	54
109	HEURISTIC PRINCIPLE FOR QUANTIZED HALL STATES. <i>Modern Physics Letters B</i> , <b>1990</b> , 04, 1063-1069	1.6	51
108	Effect of instantons on the heavy-quark potential. <i>Physical Review D</i> , <b>1978</b> , 18, 4684-4692	4.9	50
107	Populated Domain Walls. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2465-2468	7.4	49
106	Lattice fermions. <i>Physical Review Letters</i> , <b>1987</b> , 59, 2397-2400	7.4	49
105	Is our vacuum metastable?. <i>Nature</i> , <b>1982</b> , 298, 633-634	50.4	49
104	SU(3) Predictions for Charmed-Meson Decays. <i>Physical Review Letters</i> , <b>1979</b> , 43, 816-817	7.4	48
103	Disassembling anyons. <i>Physical Review Letters</i> , <b>1992</b> , 69, 132-135	7.4	45
102	Stability conditions and Fermi surface topologies in a superconductor. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	40
101	Gauge kinematics of deformable bodies. <i>American Journal of Physics</i> , <b>1989</b> , 57, 514-518	0.7	38
100	Paired Hall states in double-layer electron systems. <i>Physical Review B</i> , <b>1992</b> , 46, 9586-9589	3.3	33
99	Space-time approach to holonomy scattering. <i>Physical Review Letters</i> , <b>1990</b> , 65, 13-16	7.4	33
98	Solar-neutrino oscillations. <i>Physical Review Letters</i> , <b>1985</b> , 55, 122-125	7.4	33
97	Rare muon decays, heavy leptons, and CP violation. <i>Physical Review D</i> , <b>1977</b> , 16, 152-157	4.9	33
96	Resolution of cosmological singularities in string theory. <i>Physical Review D</i> , <b>1997</b> , 55, 4591-4595	4.9	32
95	In search of symmetry lost. <i>Nature</i> , <b>2005</b> , 433, 239-47	50.4	32
94	Exact solutions and the adiabatic heuristic for quantum Hall states. <i>Nuclear Physics B</i> , <b>1992</b> , 370, 577-600.8	2.8	31

93	HADRON SYSTEMATICS AND EMERGENT DIQUARKS <b>2006</b> ,		30
92	Possible new species of quarks and hadrons. <i>Physical Review D</i> , <b>1977</b> , 16, 860-868	4.9	29
91	Wilczek reply:. <i>Physical Review Letters</i> , <b>2013</b> , 110, 118902	7.4	27
90	Constraints on heavy neutrinos. <i>Nature</i> , <b>1981</b> , 289, 777-778	50.4	27
89	Examples of vacuum polarization by solitons. <i>Physical Review D</i> , <b>1984</b> , 30, 2260-2263	4.9	26
88	Chiral Casimir forces: Repulsive, enhanced, tunable. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	25
87	Statistics of Fractionalized Excitations through Threshold Spectroscopy. <i>Physical Review Letters</i> , <b>2017</b> , 118, 227201	7.4	25
86	Nobel Lecture: Asymptotic freedom: From paradox to paradigm*. <i>Reviews of Modern Physics</i> , <b>2005</b> , 77, 857-870	40.5	25
85	Asymptotic freedom: from paradox to paradigm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 8403-13	11.5	25
84	Internal frame dragging and a global analog of the Aharonov-Bohm effect. <i>Physical Review Letters</i> , <b>1992</b> , 68, 2567-2571	7.4	24
83	Physics: The enigmatic electron. <i>Nature</i> , <b>2013</b> , 498, 31-2	50.4	23
82	Superdensity operators for spacetime quantum mechanics. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
81	Quantum Overlapping Tomography. <i>Physical Review Letters</i> , <b>2020</b> , 124, 100401	7.4	21
80	Branched quantization. <i>Physical Review Letters</i> , <b>2012</b> , 109, 200402	7.4	21
79	Remarks on hot QCD. <i>Nuclear Physics A</i> , <b>1994</b> , 566, 123-132	1.3	19
78	The noise of gravitons. <i>International Journal of Modern Physics D</i> , <b>2020</b> , 29, 2042001	2.2	19
77	Algebra of Majorana doubling. <i>Physical Review Letters</i> , <b>2013</b> , 111, 226402	7.4	17
76	Color superconductivity and signs of its formation. <i>Nuclear Physics A</i> , <b>1998</b> , 638, 515c-518c	1.3	17

75	A model of comprehensive unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 667-670	4.2	16
74	POSSIBLE ELECTRONIC STRUCTURE OF DOMAIN WALLS IN MOTT INSULATORS. <i>International Journal of Modern Physics B</i> , <b>1996</b> , 10, 2125-2136	1.1	16
73	Macroscopic T nonconservation: Prospects for a new experiment. <i>Physical Review Letters</i> , <b>1986</b> , 56, 1623-1626	1.6	16
72	Origins of mass. <i>Open Physics</i> , <b>2012</b> , 10,	1.3	15
71	THE ORIGIN OF MASS. <i>Modern Physics Letters A</i> , <b>2006</b> , 21, 701-712	1.3	15
70	The Cosmic Asymmetry between Matter and Antimatter. <i>Scientific American</i> , <b>1980</b> , 243, 82-90	0.5	15
69	$\mathbb{Z}_2$ rule and right-handed currents: Heavy-quark expansion and limitation on Zweig's rule. <i>Physical Review D</i> , <b>1977</b> , 15, 2660-2667	4.9	15
68	Entangled histories. <i>Physica Scripta</i> , <b>2016</b> , T168, 014004	2.6	15
67	Resonant scattering and charm showers in ultrahigh-energy neutrino interactions. <i>Physical Review Letters</i> , <b>1985</b> , 55, 1252-1253	7.4	14
66	A perspective on pentaquarks. <i>European Physical Journal C</i> , <b>2004</b> , 33, s38-s42	4.2	13
65	QCD and Natural Philosophy. <i>Annales Henri Poincare</i> , <b>2003</b> , 4, 211-228	1.2	13
64	DIQUARKS AS INSPIRATION AND AS OBJECTS <b>2005</b> , 77-93		13
63	Quantum Numbers of Textured Hall Effect Quasiparticles. <i>Physical Review Letters</i> , <b>1996</b> , 77, 4418-4421	7.4	13
62	SO(3) family symmetry and axions. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	12
61	Regularizations of time-crystal dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18772-18776	11.5	10
60	Finite thermal particle creation of Casimir light. <i>Modern Physics Letters A</i> , <b>2020</b> , 35, 2040006	1.3	10
59	Scaling Mount Planck III: Is That All There Is?. <i>Physics Today</i> , <b>2002</b> , 55, 10-11	0.9	9
58	Truncated dynamics, ring molecules, and mechanical time crystals. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	8



57	ANTICIPATING A NEW GOLDEN AGE. <i>International Journal of Modern Physics A</i> , <b>2008</b> , 23, 1791-1811	1.2	8
56	Signatures of the quantization of gravity at gravitational wave detectors. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	8
55	From B-modes to quantum gravity and unification of forces. <i>International Journal of Modern Physics D</i> , <b>2014</b> , 23, 1441001	2.2	7
54	Axial Casimir force. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	6
53	Unification of force and substance. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	6
52	Multiversality. <i>Classical and Quantum Gravity</i> , <b>2013</b> , 30, 193001	3.3	6
51	Emergent Majorana mass and axion couplings in superfluids. <i>New Journal of Physics</i> , <b>2014</b> , 16, 082003	2.9	6
50	Cross-Confinement in Multi-Chern-Simons Theories. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4679-4681	7.4	6
49	THE UNIVERSE IS A STRANGE PLACE. <i>International Journal of Modern Physics A</i> , <b>2006</b> , 21, 2011-2025	1.2	6
48	Setting standards. <i>Nature</i> , <b>2002</b> , 415, 265	50.4	6
47	FUTURE SUMMARY. <i>International Journal of Modern Physics A</i> , <b>2001</b> , 16, 1653-1677	1.2	6
46	THE FUTURE OF PARTICLE PHYSICS AS A NATURAL SCIENCE. <i>International Journal of Modern Physics A</i> , <b>1998</b> , 13, 863-886	1.2	6
45	Color Erasure Detectors Enable Chromatic Interferometry. <i>Physical Review Letters</i> , <b>2019</b> , 123, 243601	7.4	6
44	Quantum Mechanics of Gravitational Waves. <i>Physical Review Letters</i> , <b>2021</b> , 127, 081602	7.4	6
43	Experimental test of entangled histories. <i>Annals of Physics</i> , <b>2017</b> , 387, 334-347	2.5	5
42	Light, the universe and everything ¶ 2 Herculean tasks for quantum cowboys and black diamond skiers. <i>Journal of Modern Optics</i> , <b>2018</b> , 65, 1261-1308	1.1	5
41	The Quantum Theory of Fields, Vol. 3: Supersymmetry. <i>Physics Today</i> , <b>2000</b> , 53, 55-56	0.9	5
40	Black and white holes at material junctions. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	5

39	Quantum independent-set problem and non-Abelian adiabatic mixing. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	5
38	Inflation driven by unification energy. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	4
37	Particle physics: A weighty mass difference. <i>Nature</i> , <b>2015</b> , 520, 303-4	50.4	4
36	Spectroscopy of Spinons in Coulomb Quantum Spin Liquids. <i>Physical Review Letters</i> , <b>2020</b> , 124, 097204	7.4	4
35	BCS AS FOUNDATION AND INSPIRATION: THE TRANSMUTATION OF SYMMETRY. <i>Modern Physics Letters A</i> , <b>2010</b> , 25, 3169-3189	1.3	4
34	A model of anthropic reasoning: the dark to ordinary matter ratio151-162		4
33	The Universe is a Strange Place. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2004</b> , 134, 3-12		4
32	Quantum hair and quantum gravity. <i>General Relativity and Gravitation</i> , <b>1992</b> , 24, 9-16	2.3	4
31	Quantum atmospheric for materials diagnosis. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	3
30	Minimal potentials with very many minima. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2285-9	7.4	3
29	PHYSICAL PROPERTIES OF METALS FROM A RENORMALIZATION GROUP STANDPOINT. <i>International Journal of Modern Physics B</i> , <b>1996</b> , 10, 847-862	1.1	3
28	Interference Effects in Charmed-Meson Decays. <i>Physical Review Letters</i> , <b>1979</b> , 43, 1059-1062	7.4	3
27	Geometric Induction in Chiral Superconductors. <i>Physical Review Letters</i> , <b>2020</b> , 124, 197001	7.4	2
26	Anticipating a new Golden Age. <i>European Physical Journal C</i> , <b>2009</b> , 59, 185-196	4.2	2
25	Enlightenment, knowledge, ignorance, temptation43-54		2
24	From Not wrongRto (maybe right). <i>Nature</i> , <b>2004</b> , 428, 261	50.4	2
23	The Dirac Equation. <i>International Journal of Modern Physics A</i> , <b>2004</b> , 19, 45-74	1.2	2
22	Charged stripes from an alternating static magnetic field. <i>Physical Review B</i> , <b>2000</b> , 62, 4208-4210	3.3	2

21	LECTURES ON BLACK HOLE QUANTUM MECHANICS. <i>International Journal of Modern Physics A</i> , <b>1998</b> , 13, 5279-5372	1.2	2
20	BCS AS FOUNDATION AND INSPIRATION: THE TRANSMUTATION OF SYMMETRY <b>2010</b> , 535-558		2
19	Chromatic interferometry with small frequency differences. <i>Optics Express</i> , <b>2020</b> , 28, 32294-32301	3.3	2
18	Adiabatic construction of hierarchical quantum Hall states. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	2
17	Ken Wilson: a scientific appreciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 12855-6	11.5	1
16	From concept to reality to vision. <i>European Physical Journal C</i> , <b>2004</b> , 33, s1-s4	4.2	1
15	When words fail. <i>Nature</i> , <b>2001</b> , 410, 149-149	50.4	1
14	FUTURE SUMMARY. <i>International Journal of Modern Physics A</i> , <b>2001</b> , 16, 129-153	1.2	1
13	Particle physics. Backyard exotica. <i>Nature</i> , <b>2000</b> , 404, 452-3	50.4	1
12	Orientation of the weak interaction with respect to the strong interaction. <i>Physical Review D</i> , <b>1977</b> , 15, 3701-3710	4.9	1
11	SOME BASIC ASPECTS OF FRACTIONAL QUANTUM NUMBERS. <i>World Scientific Series in 20th Century Physics</i> , <b>2002</b> , 135-152	0	1
10	Anticipating a New Golden Age <b>2008</b> , 233-257		1
9	Entanglement Enabled Intensity Interferometry of different wavelengths of light. <i>Annals of Physics</i> , <b>2021</b> , 424, 168346	2.5	1
8	Improved Spatial Resolution Achieved by Chromatic Intensity Interferometry. <i>Physical Review Letters</i> , <b>2021</b> , 127, 103601	7.4	1
7	Freeman Dyson (1923-2020). <i>Science</i> , <b>2020</b> , 368, 715	33.3	
6	YANG-MILLS THEORY IN, BEYOND, AND BEHIND OBSERVED REALITY <b>2005</b> , 255-267		
5	An explorer and surveyor. <i>Nature</i> , <b>2005</b> , 437, 1095	50.4	
4	Beyond the Standard Model. <i>Annals of the New York Academy of Sciences</i> , <b>1993</b> , 688, 94-112	6.5	

- 3 Monopole flux-tube repulsion in strong coupling. *Physical Review D*, **1982**, 26, 3685-3688 4.9
- 2 Boundedness from below of the SU(5) Higgs potential. *Physical Review D*, **1982**, 26, 3679-3684 4.9
- 1 A Friendly Ghost Story **2018**, 33-34