

# Chen Ning Yang

## List of Publications by Year in descending order

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47  
papers

4,073  
citations

236925

25  
h-index

302126

39  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1630  
citing authors

#	ARTICLE	IF	CITATIONS
1	SO <sub>4</sub> SYMMETRY IN A HUBBARD MODEL. , 2019, , 215-222.		0
2	FROM THE BETHE-HULLTHÅN HYPOTHESIS TO THE YANG-BAXTER EQUATION. , 2014, , 39-47.		0
3	The conceptual origins of Maxwell's equations and gauge theory. Physics Today, 2014, 67, 45-51.	0.3	22
4	TOPOLOGY AND GAUGE THEORY IN PHYSICS. International Journal of Modern Physics A, 2012, 27, 1230035.	1.5	5
5	EVOLUTION OF THE CONCEPT OF THE VECTOR POTENTIAL IN THE DESCRIPTION OF FUNDAMENTAL INTERACTIONS. International Journal of Modern Physics A, 2006, 21, 3235-3277.	1.5	46
6	Vibration of the Carbon-60 Molecule. , 1998, , 97-115.		0
7	Momentum distribution for bosons with positive scattering length in a trap. Physical Review A, 1997, 55, 1179-1181.	2.5	18
8	Gauge Fields, Electromagnetism and the Bohm-Aharonov Effect. Advanced Series in Applied Physics, 1997, , 3-7.	0.0	0
9	Bose-Einstein Condensation in a Trap. International Journal of Modern Physics B, 1997, 11, 683-684.	2.0	1
10	Reflections on the Development of Theoretical Physics. Advanced Series in Applied Physics, 1997, , 399-405.	0.0	0
11	Bose-Einstein condensation of atoms in a trap. Physical Review A, 1996, 53, 4257-4259.	2.5	75
12	Remarks and generalizations about SU <sub>2</sub> <sup>Å</sup> —SU <sub>2</sub> symmetry of Hubbard models. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 161, 292-294.	2.1	28
13	FROM THE BETHE-HULLTHÅN HYPOTHESIS TO THE YANG-BAXTER EQUATION. , 1991, , 35-43.		0
14	SO <sub>4</sub> SYMMETRY IN A HUBBARD MODEL. International Journal of Modern Physics B, 1991, 05, 977-984.	2.0	7
15	SO <sub>4</sub> SYMMETRY IN A HUBBARD MODEL. Series on Advances in Statistical Mechanics, 1991, , 113-120.	0.1	0
16	Elastic p scattering from ISR to Tevatron energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 113-116.	4.1	29
17	SO <sub>4</sub> SYMMETRY IN A HUBBARD MODEL. Modern Physics Letters B, 1990, 04, 759-766.	1.9	329
18	Î-pairing and off-diagonal long-range order in a Hubbard model. Physical Review Letters, 1989, 63, 2144-2147.	7.8	498

#	ARTICLE	IF	CITATIONS
19	A Unified Physical Picture of Multipartite Emission in $m\{ar\}p\}$ and $e^+e^-$ Collisions. Advanced Series on Directions in High Energy Physics, 1988, , 510-555.	0.7	2
20	A UNIFIED PHYSICAL PICTURE OF MULTIPARTICLE EMISSION: WIDE MULTIPLICITY DISTRIBUTION FOR $p$ AND NARROW MULTIPLICITY DISTRIBUTION FOR $e^+e^-$ COLLISIONS. International Journal of Modern Physics A, 1987, 02, 1727-1753.	1.5	14
21	Generalization of Sturm-Liouville theory to a system of ordinary differential equations with Dirac type spectrum. Communications in Mathematical Physics, 1987, 112, 205-216.	2.2	12
22	A unified physical picture: Narrow poisson-like distribution for $e^+e^-$ two-jet events and wide approximate KNO distribution for hadron-hadron collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 167, 453-456.	4.1	14
23	SHOULD THERE BE KNO SCALING FOR $e^+e^-$ 2-JET EVENTS?. International Journal of Modern Physics A, 1986, 01, 415-420.	1.5	6
24	Single-Particle Momentum Distribution at High Energies and Concept of Partition Temperature. Physical Review Letters, 1985, 54, 510-513.	7.8	73
25	Geometrical model of multiparticle production in hadron-hadron collisions. Physical Review D, 1985, 32, 1692-1698.	4.7	46
26	Multiplicity Fluctuation and Single-Particle Spectrum in Two-Jet Events in $e^+e^-$ Annihilation. Physical Review Letters, 1985, 55, 1359-1361.	7.8	28
27	Binomial distribution for the charge asymmetry parameter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 135, 175-178.	4.1	60
28	Elastic scattering at CERN collider energy and the geometrical picture. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 128, 457-460.	4.1	66
29	Asymptotic behavior at very high energies for hadron-hadron collisions. Physical Review D, 1982, 26, 328-331.	4.7	5
30	Remarks on multiplicity fluctuations and KNO scaling in $p$ collider experiments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 116, 301-304.	4.1	36
31	Dip Movement in $pp$ Elastic Collisions. Physical Review Letters, 1981, 46, 764-767.	7.8	20
32	Dip and kink structures in hadron-nucleus and hadron-hadron diffraction dissociation. Physical Review D, 1980, 22, 610-615.	4.7	10
33	Fibre Bundles and the Physics of the Magnetic Monopole. , 1980, , 247-253.		2
34	Elastic hadron-hadron scattering at ultrahigh energies and existence of many dips. Physical Review D, 1979, 19, 3268-3273.	4.7	42
35	SU2 monopole harmonics. Journal of Mathematical Physics, 1978, 19, 2622-2627.	1.1	31
36	Possible existence of a second minimum in elastic scattering. Physical Review D, 1978, 17, 1889-1890.	4.7	11

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37	Generalization of Dirac's monopole to SU2 gauge fields. Journal of Mathematical Physics, 1978, 19, 320-328.	1.1	135
38	Existence of bound states for a charged spin-1/2 particle with an extra magnetic moment in the field of a fixed magnetic monopole. Physical Review D, 1977, 15, 2300-2307.	4.7	50
39	Some properties of monopole harmonics. Physical Review D, 1977, 16, 1018-1021.	4.7	143
40	Scattering of a Dirac particle with charge Ze by a fixed magnetic monopole. Physical Review D, 1977, 15, 2287-2299.	4.7	177
41	MAGNETIC MONOPOLES, FIBER BUNDLES, AND GAUGE FIELDS. Annals of the New York Academy of Sciences, 1977, 294, 86-97.	3.8	90
42	Dirac's monopole without strings: Classical Lagrangian theory. Physical Review D, 1976, 14, 437-445.	4.7	119
43	Dirac monopole without strings: Monopole harmonics. Nuclear Physics B, 1976, 107, 365-380.	2.5	639
44	Hadronic matter current distribution inside a polarized nucleus and a polarized hadron. Nuclear Physics B, 1976, 107, 1-20.	2.5	45
45	Static sourceless gauge field. Physical Review D, 1976, 13, 3233-3236.	4.7	41
46	Some remarks about unquantized non-Abelian gauge fields. Physical Review D, 1975, 12, 3843-3844.	4.7	135
47	Concept of nonintegrable phase factors and global formulation of gauge fields. Physical Review D, 1975, 12, 3845-3857.	4.7	963