

Chen Ning Yang

List of Publications by Year in descending order

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47
papers

4,073
citations

236925

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39
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all docs

48
docs citations

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times ranked

1630
citing authors

#	ARTICLE	IF	CITATIONS
1	Concept of nonintegrable phase factors and global formulation of gauge fields. <i>Physical Review D</i> , 1975, 12, 3845-3857.	4.7	963
2	Dirac monopole without strings: Monopole harmonics. <i>Nuclear Physics B</i> , 1976, 107, 365-380.	2.5	639
3	\hat{I} -pairing and off-diagonal long-range order in a Hubbard model. <i>Physical Review Letters</i> , 1989, 63, 2144-2147.	7.8	498
4	SO4 SYMMETRY IN A HUBBARD MODEL. <i>Modern Physics Letters B</i> , 1990, 04, 759-766.	1.9	329
5	Scattering of a Dirac particle with charge Ze by a fixed magnetic monopole. <i>Physical Review D</i> , 1977, 15, 2287-2299.	4.7	177
6	Some properties of monopole harmonics. <i>Physical Review D</i> , 1977, 16, 1018-1021.	4.7	143
7	Some remarks about unquantized non-Abelian gauge fields. <i>Physical Review D</i> , 1975, 12, 3843-3844.	4.7	135
8	Generalization of Dirac's monopole to SU2 gauge fields. <i>Journal of Mathematical Physics</i> , 1978, 19, 320-328.	1.1	135
9	Dirac's monopole without strings: Classical Lagrangian theory. <i>Physical Review D</i> , 1976, 14, 437-445.	4.7	119
10	MAGNETIC MONOPOLES, FIBER BUNDLES, AND GAUGE FIELDS. <i>Annals of the New York Academy of Sciences</i> , 1977, 294, 86-97.	3.8	90
11	Bose-Einstein condensation of atoms in a trap. <i>Physical Review A</i> , 1996, 53, 4257-4259.	2.5	75
12	Single-Particle Momentum Distribution at High Energies and Concept of Partition Temperature. <i>Physical Review Letters</i> , 1985, 54, 510-513.	7.8	73
13	Elastic scattering at CERN collider energy and the geometrical picture. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 128, 457-460.	4.1	66
14	Binomial distribution for the charge asymmetry parameter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 135, 175-178.	4.1	60
15	Existence of bound states for a charged spin-1/2 particle with an extra magnetic moment in the field of a fixed magnetic monopole. <i>Physical Review D</i> , 1977, 15, 2300-2307.	4.7	50
16	Geometrical model of multiparticle production in hadron-hadron collisions. <i>Physical Review D</i> , 1985, 32, 1692-1698.	4.7	46
17	EVOLUTION OF THE CONCEPT OF THE VECTOR POTENTIAL IN THE DESCRIPTION OF FUNDAMENTAL INTERACTIONS. <i>International Journal of Modern Physics A</i> , 2006, 21, 3235-3277.	1.5	46
18	Hadronic matter current distribution inside a polarized nucleus and a polarized hadron. <i>Nuclear Physics B</i> , 1976, 107, 1-20.	2.5	45

#	ARTICLE	IF	CITATIONS
19	Elastic hadron-hadron scattering at ultrahigh energies and existence of many dips. Physical Review D, 1979, 19, 3268-3273.	4.7	42
20	Static sourceless gauge field. Physical Review D, 1976, 13, 3233-3236.	4.7	41
21	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
22	SU2 monopole harmonics. Journal of Mathematical Physics, 1978, 19, 2622-2627.	1.1	31
23	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
24	Multiplicity Fluctuation and Single-Particle Spectrum in Two-Jet Events in e^+e^- Annihilation. Physical Review Letters, 1985, 55, 1359-1361.	7.8	28
25	Remarks and generalizations about SU2 \tilde{A} —SU2 symmetry of Hubbard models. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 161, 292-294.	2.1	28
26	The conceptual origins of Maxwell's equations and gauge theory. Physics Today, 2014, 67, 45-51.	0.3	22
27	Dip Movement in pp Elastic Collisions. Physical Review Letters, 1981, 46, 764-767.	7.8	20
28	Momentum distribution for bosons with positive scattering length in a trap. Physical Review A, 1997, 55, 1179-1181.	2.5	18
29	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
30	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
31	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
32	Possible existence of a second minimum in elastic scattering. Physical Review D, 1978, 17, 1889-1890.	4.7	11
33	Dip and kink structures in hadron-nucleus and hadron-hadron diffraction dissociation. Physical Review D, 1980, 22, 610-615.	4.7	10
34	SO4 SYMMETRY IN A HUBBARD MODEL. International Journal of Modern Physics B, 1991, 05, 977-984.	2.0	7
35	SHOULD THERE BE KNO SCALING FOR e^+e^- 2-JET EVENTS?. International Journal of Modern Physics A, 1986, 01, 415-420.	1.5	6
36	Asymptotic behavior at very high energies for hadron-hadron collisions. Physical Review D, 1982, 26, 328-331.	4.7	5

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37	TOPOLOGY AND GAUGE THEORY IN PHYSICS. International Journal of Modern Physics A, 2012, 27, 1230035.	1.5	5
38	Fibre Bundles and the Physics of the Magnetic Monopole. , 1980, , 247-253.		2
39	A Unified Physical Picture of Multipartite Emission in $m\{ar\{p\}p\}$ and $e^{+}e^{-}$ Collisions. Advanced Series on Directions in High Energy Physics, 1988, , 510-555.	0.7	2
40	Bose-Einstein Condensation in a Trap. International Journal of Modern Physics B, 1997, 11, 683-684.	2.0	1
41	FROM THE BETHE-HULLTHÅN HYPOTHESIS TO THE YANG-BAXTER EQUATION. , 1991, , 35-43.		0
42	Gauge Fields, Electromagnetism and the Bohm-Aharonov Effect. Advanced Series in Applied Physics, 1997, , 3-7.	0.0	0
43	FROM THE BETHE-HULLTHÅN HYPOTHESIS TO THE YANG-BAXTER EQUATION. , 2014, , 39-47.		0
44	SO ₄ SYMMETRY IN A HUBBARD MODEL. Series on Advances in Statistical Mechanics, 1991, , 113-120.	0.1	0
45	Reflections on the Development of Theoretical Physics. Advanced Series in Applied Physics, 1997, , 399-405.	0.0	0
46	Vibration of the Carbon-60 Molecule. , 1998, , 97-115.		0
47	SO ₄ SYMMETRY IN A HUBBARD MODEL. , 2019, , 215-222.		0