

Nathan Rosen

List of Publications by Year in descending order

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71
papers

1,536
citations

394286

19
h-index

315616

38
g-index

71
all docs

71
docs citations

71
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	A bi-metric theory of gravitation. <i>General Relativity and Gravitation</i> , 1973, 4, 435-447.	0.7	198
2	A theory of gravitation. <i>Annals of Physics</i> , 1974, 84, 455-473.	1.0	151
3	Energy and momentum of cylindrical gravitational waves. <i>General Relativity and Gravitation</i> , 1993, 25, 429-433.	0.7	140
4	The energy of the universe. <i>General Relativity and Gravitation</i> , 1994, 26, 319-321.	0.7	105
5	Weyl's geometry and physics. <i>Foundations of Physics</i> , 1982, 12, 213-248.	0.6	74
6	Flat-space metric in general relativity theory. <i>Annals of Physics</i> , 1963, 22, 1-11.	1.0	69
7	A singularity-free cosmological model in general relativity. <i>Astrophysical Journal</i> , 1989, 342, 627.	1.6	53
8	The Relation Between Classical and Quantum Mechanics. <i>American Journal of Physics</i> , 1964, 32, 597-600.	0.3	52
9	Gravitational radiation damping of nongravitational motion. <i>Annals of Physics</i> , 1960, 10, 94-99.	1.0	51
10	A bi-metric theory of gravitation. II. <i>General Relativity and Gravitation</i> , 1975, 6, 259-268.	0.7	50
11	Notes on Rotation and Rigid Bodies in Relativity Theory. <i>Physical Review</i> , 1947, 71, 54-58.	2.7	39
12	General relativity with a background metric. <i>Foundations of Physics</i> , 1980, 10, 673-704.	0.6	39
13	Bimetric gravitation theory on a cosmological basis. <i>General Relativity and Gravitation</i> , 1978, 9, 339-351.	0.7	35
14	Five-dimensional relativity theory. <i>General Relativity and Gravitation</i> , 1973, 4, 449-474.	0.7	31
15	Identical Motion in Quantum and Classical Mechanics. <i>American Journal of Physics</i> , 1964, 32, 377-379.	0.3	29
16	Quantum particles and classical particles. <i>Foundations of Physics</i> , 1986, 16, 687-700.	0.6	26
17	Particle Spin and Rotation. <i>Physical Review</i> , 1951, 82, 621-624.	2.7	22
18	Energy and Momentum of Cylindrical Gravitational Waves. <i>Physical Review</i> , 1958, 110, 291-292.	2.7	19

#	ARTICLE	IF	CITATIONS
19	Bimetric general relativity and cosmology. <i>General Relativity and Gravitation</i> , 1980, 12, 493-510.	0.7	19
20	Weyl-Dirac geometry and dark matter. <i>Foundations of Physics</i> , 1992, 22, 555-568.	0.6	18
21	The Meson as a Composite Particle. <i>Physical Review</i> , 1950, 80, 177-181.	2.7	16
22	Field of a particle in uniform motion and uniform acceleration. <i>Annals of Physics</i> , 1962, 17, 269-275.	1.0	16
23	Theory of Gravitation. <i>Physical Review D</i> , 1971, 3, 2317-2319.	1.6	14
24	Statistical Geometry and Fundamental Particles. <i>Physical Review</i> , 1947, 72, 298-303.	2.7	13
25	Weylian dark matter and cosmology. <i>Foundations of Physics</i> , 1994, 24, 901-915.	0.6	13
26	Does gravitational radiation exist?. <i>General Relativity and Gravitation</i> , 1979, 10, 351-364.	0.7	12
27	A spatially-flat cosmological model. <i>Astrophysics and Space Science</i> , 1993, 204, 317-327.	0.5	12
28	Cosmic dark matter and Dirac gauge function. <i>Foundations of Physics</i> , 1995, 25, 763-777.	0.6	12
29	Mixed States in Classical Mechanics. <i>American Journal of Physics</i> , 1965, 33, 146-150.	0.3	11
30	The Nature of the Schwarzschild Singularity. , 1970, , 229-258.		11
31	Some remarks on Faraday's law. <i>American Journal of Physics</i> , 1982, 50, 974-975.	0.3	11
32	Some Schwarzschild solutions and their singularities. <i>Foundations of Physics</i> , 1985, 15, 517-529.	0.6	11
33	Nonlinear Effects of Gravitational Radiation. <i>Physical Review</i> , 1959, 115, 1085-1086.	2.7	10
34	Quantum geometry. <i>Annals of Physics</i> , 1962, 19, 165-172.	1.0	10
35	A geometric foundation for a unified field theory. <i>Foundations of Physics</i> , 1984, 14, 171-186.	0.6	10
36	Bell's theorem and quantum mechanics. <i>American Journal of Physics</i> , 1994, 62, 109-110.	0.3	10

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37	Conservation laws in Bimetric gravitation theories. <i>General Relativity and Gravitation</i> , 1979, 10, 639-646.	0.7	9
38	Localization of gravitational energy. <i>Foundations of Physics</i> , 1985, 15, 997-1008.	0.6	8
39	A charged particle in bimetric general relativity. <i>General Relativity and Gravitation</i> , 1981, 13, 599-604.	0.7	7
40	The bimetric Weyl-Dirac theory and the gravitational constant. <i>Foundations of Physics</i> , 1983, 13, 363-372.	0.6	7
41	A gauge-covariant bimetric theory of gravitation and electromagnetism. <i>Foundations of Physics</i> , 1983, 13, 1023-1045.	0.6	7
42	Classical elementary particles in general relativity. <i>Foundations of Physics</i> , 1991, 21, 1237-1247.	0.6	7
43	A Simple Model of the Universe without Singularities. , 1991, , 151-156.		7
44	Oscillating universe and scalar field. <i>International Journal of Theoretical Physics</i> , 1969, 2, 189-198.	0.5	6
45	A Weyl-Dirac geometric particle. <i>Foundations of Physics</i> , 1996, 26, 585-594.	0.6	6
46	Mach's principle and mass in an expanding universe. <i>Annals of Physics</i> , 1965, 35, 426-436.	1.0	5
47	The static character of prematter particles. <i>Foundations of Physics</i> , 1992, 22, 549-554.	0.6	5
48	Bimetric Theory of Gravitation. , 1977, , 271-294.		5
49	Statistical Geometry and Fundamental Particles. <i>Physical Review</i> , 1947, 72, 1253-1253.	2.7	4
50	Energy in an expanding universe. <i>Annals of Physics</i> , 1967, 42, 334-342.	1.0	4
51	A semiclassical interpretation of wave mechanics. <i>Foundations of Physics</i> , 1984, 14, 579-605.	0.6	4
52	Elementary particles in bimetric general relativity. <i>Foundations of Physics</i> , 1989, 19, 339-348.	0.6	4
53	Classical models of elementary particles with spin. <i>General Relativity and Gravitation</i> , 1995, 27, 153-161.	0.7	4
54	Note on the Problem of Uniform Rotation. <i>Physical Review</i> , 1946, 70, 93-94.	2.7	3

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55	Some cosmological models in the bimetric theory of gravitation. General Relativity and Gravitation, 1976, 7, 895-901.	0.7	3
56	The Bi-metric theory of gravitation. General Relativity and Gravitation, 1976, 7, 839-840.	0.7	3
57	Note on variational principle in bimetric relativity. Annals of Physics, 1966, 38, 170-174.	1.0	2
58	Static universe and cosmic field. Annali Di Matematica Pura Ed Applicata, 1970, 84, 305-308.	0.5	2
59	A non-covariant theory of gravitation, II. General Relativity and Gravitation, 1971, 2, 223-234.	0.7	2
60	A non-covariant theory of gravitation, I. General Relativity and Gravitation, 1971, 2, 129-148.	0.7	2
61	Bimetric General Relativity Theory. , 1980, , 383-405.		2
62	Can one have a universal time in general relativity?. Foundations of Physics, 1991, 21, 459-472.	0.6	2
63	Interaction between Electron and One-Dimensional Electromagnetic Field. Physical Review, 1952, 87, 940-942.	2.7	1
64	Periodic fields in five-dimensional relativity. General Relativity and Gravitation, 1974, 5, 409-427.	0.7	1
65	Extremality of mass in the bimetric theory of gravitation. General Relativity and Gravitation, 1977, 8, 617-621.	0.7	1
66	The Space-Time of the Bimetric General Relativity Theory. , 1986, , 221-229.		1
67	Gravitation Theory and Oscillating Universe. Physical Review D, 1972, 5, 1285-1287.	1.6	0
68	A Compact Object in the Bimetric Theory. Annals of the New York Academy of Sciences, 1986, 470, 378-378.	1.8	0
69	Vector-spinor space and field equations. Foundations of Physics, 1987, 17, 63-99.	0.6	0
70	Elementary particles in bimetric general relativity. II. Foundations of Physics, 1989, 19, 1337-1344.	0.6	0
71	The Weyl-Dirac Theory and the Variation of the Gravitational Constant. , 1988, , 345-355.		0