

Nathan Rosen

List of Publications by Citations

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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.

71
papers

1,295
citations

17
h-index

34
g-index

71
ext. papers

1,367
ext. citations

1.9
avg, IF

4.24
L-index

#	Paper	IF	Citations
71	A bi-metric theory of gravitation. <i>General Relativity and Gravitation</i> , 1973 , 4, 435-447	2.3	178
70	A theory of gravitation. <i>Annals of Physics</i> , 1974 , 84, 455-473	2.5	130
69	Energy and momentum of cylindrical gravitational waves. <i>General Relativity and Gravitation</i> , 1993 , 25, 429-433	2.3	123
68	The energy of the universe. <i>General Relativity and Gravitation</i> , 1994 , 26, 319-321	2.3	82
67	Flat-space metric in general relativity theory. <i>Annals of Physics</i> , 1963 , 22, 1-11	2.5	62
66	Weyl's geometry and physics. <i>Foundations of Physics</i> , 1982 , 12, 213-248	1.2	58
65	A singularity-free cosmological model in general relativity. <i>Astrophysical Journal</i> , 1989 , 342, 627	4.7	45
64	The Relation Between Classical and Quantum Mechanics. <i>American Journal of Physics</i> , 1964 , 32, 597-600	0.7	44
63	A bi-metric theory of gravitation. II. <i>General Relativity and Gravitation</i> , 1975 , 6, 259-268	2.3	42
62	General relativity with a background metric. <i>Foundations of Physics</i> , 1980 , 10, 673-704	1.2	35
61	Notes on Rotation and Rigid Bodies in Relativity Theory. <i>Physical Review</i> , 1947 , 71, 54-58		35
60	Bimetric gravitation theory on a cosmological basis. <i>General Relativity and Gravitation</i> , 1978 , 9, 339-351	2.3	32
59	Five-dimensional relativity theory. <i>General Relativity and Gravitation</i> , 1973 , 4, 449-474	2.3	29
58	Identical Motion in Quantum and Classical Mechanics. <i>American Journal of Physics</i> , 1964 , 32, 377-379	0.7	25
57	Quantum particles and classical particles. <i>Foundations of Physics</i> , 1986 , 16, 687-700	1.2	23
56	Particle Spin and Rotation. <i>Physical Review</i> , 1951 , 82, 621-624		22
55	Gravitational radiation damping of nongravitational motion. <i>Annals of Physics</i> , 1960 , 10, 94-99	2.5	20

54	Bimetric general relativity and cosmology. <i>General Relativity and Gravitation</i> , 1980 , 12, 493-510	2.3	17
53	Energy and Momentum of Cylindrical Gravitational Waves. <i>Physical Review</i> , 1958 , 110, 291-292		17
52	Weyl-Dirac geometry and dark matter. <i>Foundations of Physics</i> , 1992 , 22, 555-568	1.2	15
51	The Meson as a Composite Particle. <i>Physical Review</i> , 1950 , 80, 177-181		15
50	Field of a particle in uniform motion and uniform acceleration. <i>Annals of Physics</i> , 1962 , 17, 269-275	2.5	13
49	Weylian dark matter and cosmology. <i>Foundations of Physics</i> , 1994 , 24, 901-915	1.2	12
48	Theory of Gravitation. <i>Physical Review D</i> , 1971 , 3, 2317-2319	4.9	12
47	Does gravitational radiation exist?. <i>General Relativity and Gravitation</i> , 1979 , 10, 351-364	2.3	11
46	Statistical Geometry and Fundamental Particles. <i>Physical Review</i> , 1947 , 72, 298-303		11
45	A spatially-flat cosmological model. <i>Astrophysics and Space Science</i> , 1993 , 204, 317-327	1.6	10
44	Some Schwarzschild solutions and their singularities. <i>Foundations of Physics</i> , 1985 , 15, 517-529	1.2	10
43	Cosmic dark matter and Dirac gauge function. <i>Foundations of Physics</i> , 1995 , 25, 763-777	1.2	9
42	A geometric foundation for a unified field theory. <i>Foundations of Physics</i> , 1984 , 14, 171-186	1.2	9
41	Conservation laws in Bimetric gravitation theories. <i>General Relativity and Gravitation</i> , 1979 , 10, 639-646	2.3	9
40	Some remarks on Faraday's law. <i>American Journal of Physics</i> , 1982 , 50, 974-975	0.7	9
39	Mixed States in Classical Mechanics. <i>American Journal of Physics</i> , 1965 , 33, 146-150	0.7	9
38	Bell's theorem and quantum mechanics. <i>American Journal of Physics</i> , 1994 , 62, 109-110	0.7	8
37	The Nature of the Schwarzschild Singularity 1970 , 229-258		8

36	Nonlinear Effects of Gravitational Radiation. <i>Physical Review</i> , 1959 , 115, 1085-1086		8
35	Quantum geometry. <i>Annals of Physics</i> , 1962 , 19, 165-172	2.5	8
34	The bimetric Weyl-Dirac theory and the gravitational constant. <i>Foundations of Physics</i> , 1983 , 13, 363-372	1.2	7
33	A gauge-covariant bimetric theory of gravitation and electromagnetism. <i>Foundations of Physics</i> , 1983 , 13, 1023-1045	1.2	6
32	Localization of gravitational energy. <i>Foundations of Physics</i> , 1985 , 15, 997-1008	1.2	6
31	A charged particle in bimetric general relativity. <i>General Relativity and Gravitation</i> , 1981 , 13, 599-604	2.3	6
30	Oscillating universe and scalar field. <i>International Journal of Theoretical Physics</i> , 1969 , 2, 189-198	1.1	6
29	A Simple Model of the Universe without Singularities 1991 , 151-156		6
28	Classical elementary particles in general relativity. <i>Foundations of Physics</i> , 1991 , 21, 1237-1247	1.2	5
27	Mach's principle and mass in an expanding universe. <i>Annals of Physics</i> , 1965 , 35, 426-436	2.5	5
26	The static character of prematter particles. <i>Foundations of Physics</i> , 1992 , 22, 549-554	1.2	4
25	Energy in an expanding universe. <i>Annals of Physics</i> , 1967 , 42, 334-342	2.5	4
24	Classical models of elementary particles with spin. <i>General Relativity and Gravitation</i> , 1995 , 27, 153-161	2.3	3
23	A Weyl-Dirac geometric particle. <i>Foundations of Physics</i> , 1996 , 26, 585-594	1.2	3
22	Elementary particles in bimetric general relativity. <i>Foundations of Physics</i> , 1989 , 19, 339-348	1.2	3
21	Note on the Problem of Uniform Rotation. <i>Physical Review</i> , 1946 , 70, 93-94		3
20	Statistical Geometry and Fundamental Particles. <i>Physical Review</i> , 1947 , 72, 1253-1253		3
19	Bimetric Theory of Gravitation 1977 , 271-294		3

18	Can one have a universal time in general relativity?. <i>Foundations of Physics</i> , 1991 , 21, 459-472	1.2	2
17	A semiclassical interpretation of wave mechanics. <i>Foundations of Physics</i> , 1984 , 14, 579-605	1.2	2
16	Some cosmological models in the bimetric theory of gravitation. <i>General Relativity and Gravitation</i> , 1976 , 7, 895-901	2.3	2
15	The Bi-metric theory of gravitation. <i>General Relativity and Gravitation</i> , 1976 , 7, 839-840	2.3	2
14	A non-covariant theory of gravitation, II. <i>General Relativity and Gravitation</i> , 1971 , 2, 223-234	2.3	2
13	A non-covariant theory of gravitation, I. <i>General Relativity and Gravitation</i> , 1971 , 2, 129-148	2.3	2
12	Bimetric General Relativity Theory 1980 , 383-405		1
11	Extremality of mass in the bimetric theory of gravitation. <i>General Relativity and Gravitation</i> , 1977 , 8, 617-631	2.3	1
10	Periodic fields in five-dimensional relativity. <i>General Relativity and Gravitation</i> , 1974 , 5, 409-427	2.3	1
9	Note on variational principle in bimetric relativity. <i>Annals of Physics</i> , 1966 , 38, 170-174	2.5	1
8	Interaction between Electron and One-Dimensional Electromagnetic Field. <i>Physical Review</i> , 1952 , 87, 940-942		1
7	Static universe and cosmic field. <i>Annali Di Matematica Pura Ed Applicata</i> , 1970 , 84, 305-308	0.8	0
6	Elementary particles in bimetric general relativity. II. <i>Foundations of Physics</i> , 1989 , 19, 1337-1344	1.2	
5	Vector-spinor space and field equations. <i>Foundations of Physics</i> , 1987 , 17, 63-99	1.2	
4	A Compact Object in the Bimetric Theory. <i>Annals of the New York Academy of Sciences</i> , 1986 , 470, 378-378	0.5	
3	Gravitation Theory and Oscillating Universe. <i>Physical Review D</i> , 1972 , 5, 1285-1287	4.9	
2	The Weyl-Dirac Theory and the Variation of the Gravitational Constant 1988 , 345-355		
1	The Space-Time of the Bimetric General Relativity Theory 1986 , 221-229		

