

Johann Rafelski

List of Publications by Year in descending order

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268
papers

9,645
citations

57758

44
h-index

45317

90
g-index

275
all docs

275
docs citations

275
times ranked

5446
citing authors

#	ARTICLE	IF	CITATIONS
1	Strangeness Production in the Quark-Gluon Plasma. Physical Review Letters, 1982, 48, 1066-1069.	7.8	915
2	Strangeness in relativistic heavy ion collisions. Physics Reports, 1986, 142, 167-262.	25.6	853
3	Quantum Electrodynamics of Strong Fields. , 1985, , .		628
4	Observation of cold nuclear fusion in condensed matter. Nature, 1989, 338, 737-740.	27.8	574
5	ALICE: Physics Performance Report, Volume II. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1295-2040.	3.6	441
6	Enhanced J/ψ production in deconfined quark matter. Physical Review C, 2001, 63, .	2.9	409
7	Strange anti-baryons from quark-gluon plasma. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 262, 333-340.	4.1	200
8	Phase-space structure of the Dirac vacuum. Physical Review D, 1991, 44, 1825-1835.	4.7	167
9	Fermions and bosons interacting with arbitrarily strong external fields. Physics Reports, 1978, 38, 227-361.	25.6	162
10	Equilibrium Distribution of Heavy Quarks in Fokker-Planck Dynamics. Physical Review Letters, 2000, 84, 31-34.	7.8	153
11	Strangeness Production in the Quark-Gluon Plasma. Physical Review Letters, 1986, 56, 2334-2334.	7.8	152
12	SHARE: Statistical hadronization with resonances. Computer Physics Communications, 2005, 167, 229-251.	7.5	152
13	The Decay of the Vacuum. Scientific American, 1979, 241, 150-159.	1.0	151
14	Solution of the Dirac Equation for Strong External Fields. Physical Review Letters, 1972, 28, 1235-1238.	7.8	145
15	Electron shells in over-critical external fields. Zeitschrift für Physik A, 1972, 257, 62-77.	0.9	125
16	The importance of the reaction volume in hadronic collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 97, 279-282.	4.1	122
17	Auto-ionization of positrons in heavy ion collisions. Zeitschrift für Physik A, 1972, 257, 183-211.	0.9	111
18	Strange hadron resonances as a signature of freeze-out dynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 509, 239-245.	4.1	109

#	ARTICLE	IF	CITATIONS
19	Magnetic Splitting of Quasimolecular Electronic States in Strong Fields. <i>Physical Review Letters</i> , 1976, 36, 517-520.	7.8	108
20	Spontaneous vacuum decay of supercritical nuclear composites. <i>Zeitschrift für Physik A</i> , 1978, 285, 49-52.	1.4	103
21	Last call for RHIC predictions. <i>Nuclear Physics A</i> , 1999, 661, 205-260.	1.5	91
22	Evidence for a phase with high specific entropy in nuclear collisions. <i>Physical Review Letters</i> , 1993, 70, 3530-3533.	7.8	89
23	Chemical freeze-out conditions in central S-S collisions at 200A GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994, 61, 659-665.	1.5	87
24	Strangeness conservation in hot nuclear fireballs. <i>Physical Review D</i> , 1995, 51, 3408-3435.	4.7	84
25	Hadron production and quark-gluon plasma hadronization in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2013, 88, 044907.	2.9	83
26	Superheavy Elements and an Upper Limit to the Electric Field Strength. <i>Physical Review Letters</i> , 1971, 27, 958-961.	7.8	81
27	Strange hadrons and their resonances: A diagnostic tool of quark-gluon plasma freeze-out dynamics. <i>Physical Review C</i> , 2001, 64, .	2.9	73
28	Systematic Investigations of Binding Energies of Inner-Shell Electrons in Superheavy Quasimolecules. <i>Physica Scripta</i> , 1978, 17, 417-419.	2.5	71
29	Heavy flavor hadrons in statistical hadronization of strangeness-rich QGP. <i>European Physical Journal C</i> , 2007, 51, 113-133.	3.9	70
30	Sudden Hadronization in Relativistic Nuclear Collisions. <i>Physical Review Letters</i> , 2000, 85, 4695-4698.	7.8	68
31	Strangeness production in the quark gluon plasma. <i>Nuclear Physics A</i> , 1984, 418, 215-235.	1.5	67
32	Solution of the Dirac Equation for Scalar Potentials and its Implications in Atomic Physics. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1973, 28, 1389-1396.	1.5	64
33	Thomas Fermi model of finite nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1977, 71, 22-26.	4.1	61
34	SHAREv2: fluctuations and a comprehensive treatment of decay feed-down. <i>Computer Physics Communications</i> , 2006, 175, 635-649.	7.5	59
35	Brain without mind: Computer simulation of neural networks with modifiable neuronal interactions. <i>Physics Reports</i> , 1985, 123, 215-273.	25.6	55
36	Quark-gluon plasma in 4 GeV/c antiproton annihilations on nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 207, 371-376.	4.1	53

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37	Chemical nonequilibrium and deconfinement in 200AGeV sulphur induced reactions. Physical Review C, 1999, 59, 947-954.	2.9	52
38	Centrality dependence of bulk fireball properties insNN=200GeV AuAu collisions. Physical Review C, 2005, 72, .	2.9	52
39	Stabilization of the Charged Vacuum Created by Very Strong Electrical Fields in Nuclear Matter. Physical Review Letters, 1975, 34, 349-352.	7.8	51
40	Cold Nuclear Fusion. Scientific American, 1987, 257, 84-89.	1.0	50
41	Hot hadronic matter and strange anti-baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 417-423.	4.1	50
42	Lower Bound to Limiting Fields in Nonlinear Electrodynamics. Physical Review A, 1973, 7, 903-907.	2.5	48
43	QCD equations of state and the quark-gluon plasma liquid model. Physical Review C, 2003, 67, .	2.9	48
44	Time evolution of strange-particle densities in hot hadronic matter. Nuclear Physics A, 1985, 444, 678-691.	1.5	47
45	Gluon production, cooling, and entropy in nuclear collisions. Physical Review C, 1994, 50, 406-409.	2.9	47
46	STRANGENESS AND QUARK GLUON PLASMA: ASPECTS OF THEORY AND EXPERIMENT. International Journal of Modern Physics A, 1991, 06, 1067-1113.	1.5	41
47	SHARE with CHARM. Computer Physics Communications, 2014, 185, 2056-2079.	7.5	41
48	Precise Values for Critical Fields in Quantum Electrodynamics. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1974, 29, 1267-1275.	1.5	40
49	Melting hadrons, boiling quarks. European Physical Journal A, 2015, 51, 1.	2.5	40
50	Testing limits of statistical hadronization. Nuclear Physics A, 2003, 715, 98c-107c.	1.5	38
51	Interpretation of external fields as temperature. Physics Letters, Section A: General, Atomic and Solid State Physics, 1977, 63, 181-183.	2.1	35
52	QCD, bags, and hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 148, 337-342.	4.1	35
53	Kaons and quark-gluon plasma. Physical Review C, 1985, 31, 823-827.	2.9	32
54	Strangeness abundances in pA-nucleus annihilations. Physical Review C, 1985, 31, 1360-1364.	2.9	32

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55	Variational principle for relativistic fluid dynamics. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1935-1957.	3.6	32
56	OBSERVING QUARK-GLUON PLASMA WITH STRANGE HADRONS. International Journal of Modern Physics E, 2000, 09, 107-147.	1.0	31
57	Particle radiation by hot quark-gluon plasma. Physical Review D, 1983, 27, 671-674.	4.7	30
58	Muon reactivation in muon-catalyzed D-T fusion. Progress in Particle and Nuclear Physics, 1989, 22, 279-338.	14.4	30
59	Particle yield fluctuations and chemical nonequilibrium in Au-Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	2.9	30
60	Relic neutrino freeze-out: Dependence on natural constants. Nuclear Physics B, 2015, 890, 481-517.	2.5	30
61	The critical distance in collisions of heavy ions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1976, 65, 205-208.	4.1	29
62	Dark energy simulacrum in nonlinear electrodynamics. Physical Review D, 2010, 81, .	4.7	29
63	Universal hadronization condition in heavy ion collisions at $\sqrt{s_{NN}}=2.9$ GeV and at $\sqrt{s_{NN}}=2.9$ GeV. Physical Review C, 2013, 88, .	2.9	29
64	New scheme to produce aneutronic fusion reactions by laser-accelerated ions. Laser and Particle Beams, 2015, 33, 117-122.	1.0	29
65	Bc-meson production in ultrarelativistic nuclear collisions. Physical Review C, 2000, 62, .	2.9	28
66	Search for QGP and thermal freeze-out of strange hadrons. New Journal of Physics, 2001, 3, 12-12.	2.9	28
67	Strange and hot matter. Nuclear Physics A, 1992, 544, 279-292.	1.5	27
68	Role of internal symmetry in p annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 116, 274-278.	4.1	26
69	Cold fusion: muon-catalysed fusion. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 1469-1516.	1.5	26
70	Strange particle freeze-out. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 321, 394-399.	4.1	26
71	Pion and muon production in $\sqrt{s_{NN}}=4.7$ GeV quark-gluon plasma. Physical Review D, 2008, 78, .	4.7	26
72	Compact Ultradense Matter Impactors. Physical Review Letters, 2013, 110, 111102.	7.8	26

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73	Strange particle abundance in QGP formed in 200 GeV A nuclear collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 393-400.	4.1	25
74	Chemical nonequilibrium in high-energy nuclear collisions. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 295-309.	3.6	25
75	Strange hadron resonances and QGP freeze-out. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1911-1919.	3.6	25
76	Strange pentaquark hadrons in statistical hadronization. Physical Review C, 2003, 68, .	2.9	25
77	Analytic structure and explicit solution of an important implicit equation. Communications in Mathematical Physics, 1982, 83, 563-578.	2.2	24
78	Bose condensation in supercritical external fields. Physical Review D, 1975, 11, 300-311.	4.7	23
79	The relativistic ideal Fermi gas revisited. Journal of Physics G: Nuclear Physics, 1980, 6, L149-L153.	0.8	23
80	Photons from strange-quark annihilation in a quark-gluon plasma. Physical Review D, 1986, 33, 66-71.	4.7	23
81	Impact of QCD and QGP properties on strangeness production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 586-594.	4.1	23
82	Vacuum-decay time in strong external fields. Physical Review D, 2009, 79, .	4.7	23
83	From strangeness enhancement to quark-gluon plasma discovery. International Journal of Modern Physics A, 2017, 32, 1730024.	1.5	22
84	Critical discussion of the vacuum polarization measurements in muonic atoms. Annals of Physics, 1974, 88, 419-453.	2.8	21
85	Color degrees of freedom in a quark-gluon plasma at finite baryon density. Zeitschrift für Physik C-Particles and Fields, 1984, 24, 361-365.	1.5	21
86	Decay of Λ -in hot matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 262, 485-491.	4.1	21
87	Quark-gluon plasma fireball. Physical Review C, 2000, 62, .	2.9	21
88	Probing QED Vacuum with Heavy Ions. , 2017, , 211-251.		20
89	Strangeness chemical equilibration in a quark-gluon plasma. Physical Review C, 2007, 75, .	2.9	19
90	Magnetic dipole moment in relativistic quantum mechanics. European Physical Journal A, 2019, 55, 1.	2.5	19

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91	Virial theorem and stability of localized solutions of relativistic classical interacting fields. Physical Review D, 1977, 16, 1890-1899.	4.7	18
92	Strangeness flow difference in nuclear collisions at 15Aand 200AGeV. Physical Review C, 1994, 50, 1684-1687.	2.9	18
93	Expected production of strange baryons and antibaryons in baryon-poor QGP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 12-18.	4.1	18
94	Extreme states of nuclear matter. Nuclear Physics A, 1982, 374, 489-502.	1.5	17
95	Importance of reaction volume in hadronic collisions: canonical enhancement. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1819-1832.	3.6	17
96	Comment on "Muon"alpha-particle sticking probability in muon-catalyzed fusion". Physical Review A, 1987, 35, 2741-2743.	2.5	16
97	Wigner function of relativistic spin-1/2 particles. Physical Review A, 1992, 46, 645-647.	2.5	16
98	Discovery of Quark-Gluon Plasma: Strangeness Diaries. European Physical Journal: Special Topics, 2020, 229, 1-140.	2.6	16
99	Soliton solutions of a selfinteracting dirac field in three space dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 66, 262-266.	4.1	15
100	Relativity Matters. , 2017, , .		15
101	Bose condensation in supercritical external fields charged condensates. Zeitschrift für Physik A, 1978, 284, 71-81.	1.4	14
102	Relativistic classical limit of quantum theory. Physical Review A, 1993, 48, 1869-1874.	2.5	14
103	A comparison of statistical hadronization models. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S557-S564.	3.6	14
104	Acceleration and vacuum temperature. Physical Review D, 2012, 86, .	4.7	14
105	Relic neutrinos: Physically consistent treatment of effective number of neutrinos and neutrino mass. Physical Review D, 2014, 89, .	4.7	14
106	Muon spectrum and convoy effects after muon-catalyzed fusion. Physical Review A, 1989, 40, 2839-2842.	2.5	13
107	Muon catalysed fusion of nuclei with $Z > 1$. Journal of Physics G: Nuclear and Particle Physics, 1990, 16, 281-294.	3.6	13
108	Production of light pseudoscalar particles in heavy-ion collisions. Physical Review D, 1986, 34, 2896-2899.	4.7	12

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109	Detuning reduction of muon sticking in resonant muon-catalyzed fusion. <i>Physical Review A</i> , 1986, 34, 3642-3645.	2.5	12
110	Anomalous nuclear reactions in condensed matter: Recent results and open questions. <i>Journal of Fusion Energy</i> , 1990, 9, 199-208.	1.2	12
111	Connecting QGP-Heavy Ion Physics to the Early Universe. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2013, 243-244, 155-162.	0.4	12
112	Active target production of muons for muon-catalyzed fusion. <i>Physical Review C</i> , 1988, 37, 403-406.	2.9	11
113	Relativistic Transport Equations for Electromagnetic, Scalar, and Pseudoscalar Potentials. <i>Annals of Physics</i> , 1995, 243, 65-75.	2.8	11
114	Formation of quarkonium states at RHIC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 715-722.	3.6	11
115	Strangeness enhancement. <i>European Physical Journal: Special Topics</i> , 2008, 155, 139-166.	2.6	11
116	Critical hadronization pressure. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 064017.	3.6	11
117	Electron-positron plasma drop formed by ultra-intense laser pulses. <i>Physical Review D</i> , 2012, 85, .	4.7	11
118	Electromagnetic potential in Thomas-Fermi-Dirac atoms. <i>Physical Review A</i> , 1979, 20, 44-47.	2.5	10
119	Self-organization of neural networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984, 102, 207-211.	2.1	10
120	Clustered quark matter. <i>Physical Review C</i> , 1986, 33, 703-708.	2.9	10
121	How Cold Fusion Can Be Catalyzed. <i>Fusion Science and Technology</i> , 1990, 18, 136-142.	0.6	10
122	Reactions of charged massive particles in a deuterium environment. <i>Physical Review A</i> , 1991, 44, 4345-4352.	2.5	10
123	Strangeness and quark-gluon plasma. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, S1-S28.	3.6	10
124	Hadronization of expanding QGP. <i>European Physical Journal A</i> , 2006, 29, 107-111.	2.5	10
125	Hadron resonances and phase threshold in heavy ion collisions. <i>Physical Review C</i> , 2007, 75, .	2.9	10
126	Unstable hadrons in hot hadron gas: In the laboratory and in the early Universe. <i>Physical Review C</i> , 2010, 82, .	2.9	10

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127	Virtual axion-like particle Complement to Euler-Heisenberg-Schwinger action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 331-334.	4.1	10
128	Self-consistent quark bag in three space dimensions. Physical Review D, 1976, 14, 2358-2361.	4.7	9
129	Vacuum polarization- and molecular-potential effects in heavy-ion scattering. Physical Review C, 1976, 13, 2086-2088.	2.9	9
130	IBM hamiltonian, Bohr collective hamiltonian and classical limit for an exactly soluble model with the symmetry of O(5). Nuclear Physics A, 1981, 355, 189-206.	1.5	9
131	Strange particle production in pp and pN reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 145, 142-146.	4.1	9
132	Strange fireballs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 294, 131-138.	4.1	9
133	Statistical hadronization probed by resonances. Physical Review C, 2003, 68, .	2.9	9
134	Multistrange particle production and the statistical hadronization model. Physical Review C, 2010, 82, .	2.9	9
135	Relativistic dynamics of point magnetic moment. European Physical Journal C, 2018, 78, 1.	3.9	9
136	Strong fields and neutral particle magnetic moment dynamics. Plasma Physics and Controlled Fusion, 2018, 60, 074006.	2.1	9
137	Strangeness in Pb—Pb collisions at 158 A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 410, 315-322.	4.1	8
138	Electron—Positron Annihilation Radiation from Sagittarius A East at the Galactic Center. Astrophysical Journal, 2001, 549, 293-302.	4.5	8
139	Quark-gluon plasma fireball explosion. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 427-437.	3.6	8
140	Particle production insNN=2.76TeV heavy ion collisions. Physical Review C, 2011, 83, .	2.9	8
141	Vector coupling and bound states of fermions in three space dimensions. Physical Review D, 1976, 14, 3532-3535.	4.7	7
142	Quo vadisstrangeness?. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 451-468.	3.6	7
143	Strangeness at the threshold of phase change. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 044011.	3.6	7
144	Spectra of particles from laser-induced vacuum decay. Physical Review D, 2011, 84, .	4.7	7

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145	Properties of gravitationally bound dark compact ultra dense objects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 123-127.	4.1	7
146	Traveling Through the Universe: Back in Time to the Quark-Gluon Plasma Era. Journal of Physics: Conference Series, 2014, 509, 012014.	0.4	7
147	Current-conserving relativistic linear response for collisional plasmas. Annals of Physics, 2021, 434, 168605.	2.8	7
148	Comments on "Bose condensation in supercritical external fields". Physical Review D, 1975, 12, 1194-1195.	4.7	6
149	Conventional nuclear European Muon Collaboration effect in deep inelastic lepton-nucleus scattering. Physical Review C, 1987, 36, 1497-1503.	2.9	6
150	QGP formation and strange antibaryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 390, 363-369.	4.1	6
151	Quarks unleashed at low energy. Physics World, 1999, 12, 23-24.	0.0	6
152	Charmed hadrons from strangeness-rich QGP. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, S499-S504.	3.6	6
153	Centrality dependence of strangeness and (anti)hyperon production at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 73, .	2.9	6
154	$\Lambda(1520)$ -medium mass modification and pion spectra. European Physical Journal A, 2007, 32, 267-272.	2.5	6
155	Thermal reaction processes in a relativistic QED plasma drop. Physical Review D, 2010, 81, .	4.7	6
156	Quark-gluon plasma as the possible source of cosmological dark radiation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 77-81.	4.1	6
157	Boltzmann equation solver adapted to emergent chemical non-equilibrium. Journal of Computational Physics, 2015, 281, 896-916.	3.8	6
158	Title is missing!. Acta Physica Polonica B, 2012, 43, 829.	0.8	6
159	Strange antibaryons from QGP. Nuclear Physics A, 1995, 590, 613-616.	1.5	5
160	Low- $\sqrt{s_{NN}}$ asymmetry enhancement from hadronization of QGP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 213-219.	4.1	5
161	Threshold disorder as a source of diverse and complex behavior in random nets. Neural Networks, 2002, 15, 1243-1258.	5.9	5
162	Hadronization and Quark Probes of Deconfinement at RHIC. AIP Conference Proceedings, 2005, , .	0.4	5

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163	Balance of baryon number in the quark coalescence model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 488-491.	4.1	5
164	Quantum collective QCD string dynamics. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, S455-S460.	3.6	5
165	QED energyâ€momentum trace as a force in astrophysics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 133-138.	4.1	5
166	Top anomalous magnetic moment and the two-photon decay of the Higgs boson. Physical Review D, 2013, 88, .	4.7	5
167	The relativistic foundations of synchrotron radiation. Journal of Synchrotron Radiation, 2017, 24, 898-901.	2.4	5
168	Vacuum stabilized by anomalous magnetic moment. Physical Review D, 2018, 98, .	4.7	5
169	Radiation reaction and limiting acceleration. Physical Review D, 2022, 105, .	4.7	5
170	Fields Nonlocal in Clifford Space. I. Classical Gauge-Invariant Nonlinear Field Theory. Physical Review D, 1972, 6, 3476-3491.	4.7	4
171	On the detection of cosmic-background neutrinos by acoustic phonon scattering. Physical Review D, 1987, 35, 394-396.	4.7	4
172	Muons after d-t fusion. Journal of Physics G: Nuclear and Particle Physics, 1990, 16, L187-L195.	3.6	4
173	Brainwashing random asymmetric â€œneuralâ€networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 160, 255-260.	2.1	4
174	Strangeness, equilibration, hadronization. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1833-1840.	3.6	4
175	QUARKS IN THE UNIVERSE. International Journal of Modern Physics E, 2007, 16, 813-828.	1.0	4
176	Strangeness enhancement at LHC. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 044042.	3.6	4
177	VACUUM STRUCTURE AND DARK ENERGY. International Journal of Modern Physics D, 2010, 19, 2299-2304.	2.1	4
178	Extreme states of nuclear matter - 1980. European Physical Journal A, 2015, 51, 1.	2.5	4
179	Proposal for resonant detection of relic massive neutrinos. European Physical Journal C, 2015, 75, 1.	3.9	4
180	Radiation reaction friction: Resistive material medium. Physical Review D, 2020, 102, .	4.7	4

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181	Motion of classical charged particles with magnetic moment in external plane-wave electromagnetic fields. <i>Physical Review A</i> , 2021, 103, .	2.5	4
182	Hadronic Matter Equation of State and the Hadron Mass Spectrum. <i>NATO ASI Series Series B: Physics</i> , 1995, , 105-116.	0.2	4
183	Fields nonlocal in clifford space. <i>Zeitschrift für Physik A</i> , 1973, 258, 147-162.	0.9	3
184	Possible measurement of the vacuum polarization in heavy-ion scattering. <i>Physical Review C</i> , 1974, 9, 1756-1759.	2.9	3
185	A five-dimensional Dirac-theory and its relation to nonlocal theories in four dimensions. <i>Annals of Physics</i> , 1983, 147, 445-459.	2.8	3
186	Pion production for MuCF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990, 287, 565-569.	1.6	3
187	Muon-Catalyzed Fusion. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1991, 29, 177-215.	2.3	3
188	Muons afterd-tfusion. <i>Physical Review A</i> , 1991, 43, 601-602.	2.5	3
189	Collective Higgs production in high-energy heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 276, 501-510.	4.1	3
190	Sound of sonoluminescence. <i>Physical Review E</i> , 1998, 57, 4170-4185.	2.1	3
191	A strange quark plasma. <i>Physics World</i> , 2000, 13, 37-42.	0.0	3
192	Baryon-Rich Quark-Gluon Plasma in Nuclear Collisions. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2001, 14, 97-120.	0.4	3
193	On the strange-quark-gluon plasma front line. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 723-726.	3.6	3
194	Charm production in the hot-gluon scenario. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 691-694.	3.6	3
195	Enhanced production of Λ^0 and Σ^0 in heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 105-110.	4.7	3
196	Non-equilibrium heavy-flavored hadron yields from chemical equilibrium strangeness-rich QGP. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 044043.	3.6	3
197	FUGACITY AND REHEATING OF PRIMORDIAL NEUTRINOS. <i>Modern Physics Letters A</i> , 2013, 28, 1350188.	1.2	3
198	Self-consistent gluon screening of a strong SU(2) source. <i>Physical Review D</i> , 1982, 25, 566-572.	4.7	2

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