Pavel Eminov

List of Publications by Year
in descending order

50 papers	158 citations	1478505 6 h-index	1281871 11 g-index
50 all docs	50 docs citations	50 times ranked	36 citing authors

#	Article	IF	Citations
1	Quantum theory of synchrotron radiation in (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 Td (xmlns:mml="http://w	4.7	1
2	Radiative effects in two-dimensional models of quantum electrodynamics in a constant magnetic field. Physical Review D, 2021, 104, .	4.7	2
3	Anomalous Magnetic Moment of an Electron in a Static Magnetic Field in the Topologically Massive 2D Electrodynamics. Journal of Experimental and Theoretical Physics, 2020, 130, 895-902.	0.9	2
4	Dynamic nature of the anomalous magnetic moment of an electron in a constant magnetic field in topologically massive two-dimensional electrodynamics. Physical Review D, 2019, 100, .	4.7	1
5	Anomalous magnetic moment of an electron in a constant magnetic field in (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5C	4.7	5
6	Anomalous magnetic moment of an electron in a magnetized plasma of topologically massive two-dimensional electrodynamics. Physical Review D, 2017, 95, .	4.7	6
7	Neutrino Spin and Dispersion in Magnetized Medium. Advances in High Energy Physics, 2016, 2016, 1-11.	1.1	6
8	Spin and dispersion of a massive Dirac neutrino in a magnetized plasma. Journal of Experimental and Theoretical Physics, 2016, 122, 63-77.	0.9	9
9	Influence of Spin on the Dispersion of a Massive Dirac Neutrino in a Magnetized Plasma. Russian Physics Journal, 2016, 58, 1826-1833.	0.4	0
10	Electronâ€“phonon mechanism of conduction in magnetized nanotubes. Diamond and Related Materials, 2014, 49, 72-76.	3.9	1
11	Semiconductor nanotube plasma. Russian Microelectronics, 2014, 43, 333-344.	0.5	0
12	Nonlinear ionization of a two-dimensional nanostructure. Semiconductors, 2014, 48, 13-20.	0.5	0
13	Neutrino radiative decay in external field and medium. Physics of Particles and Nuclei, 2014, 45, 397-408.	0.7	3
14	Thermodynamic properties of a superconducting quantum cylinder and their fluctuations. Physics of the Solid State, 2014, 56, 429-437.	0.6	0
15	Fluctuations of the thermodynamic properties of a magnetized quantum cylinder in the vicinity of the critical temperature. Doklady Physics, 2013, 58, 236-239.	0.7	0
16	Decay of a massive neutrino in magnetized electron gas. Physical Review D, 2013, 87, .	4.7	9
17	Ionization of a two-dimensional quantum dot by the field of an electromagnetic wave. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2013, 68, 267-271.	0.4	0
18	Ionization induced by strong electromagnetic field in low dimensional systems bound by short range forces. Physica B: Condensed Matter, 2013, 426, 158-164.	2.7	1

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19	Thermodynamic Properties of Superconducting Magnetized Nanotubes. Nanopages, 2013, 8, 1-7.	0.2	0
20	Ionisation of a quantum dot by electric fields. Quantum Electronics, 2012, 42, 733-738.	1.0	4
21	Hamiltonian field theory of ferrohydrodynamics. Journal of Chemical Physics, 2011, 135, 144901.	3.0	2
22	Superconductivity of a quantum cylinder. Low Temperature Physics, 2011, 37, 277-279.	0.6	3
23	The hamiltonian structure of equations of ideal ferrohydrodynamics with internal rotation. Doklady Physics, 2011, 56, 467-470.	0.7	1
24	Electron-phonon scattering and conductivity of a quantum cylinder in a magnetic field. Physics of the Solid State, 2011, 53, 1707-1713.	0.6	1
25	Electron-phonon interaction and electrical conductivity of a nanotube in an external magnetic field. Russian Physics Journal, 2011, 54, 54-56.	0.4	3
26	Thermodynamical properties of a superconducting quantum cylinder. Russian Journal of Mathematical Physics, 2010, 17, 154-158.	1.5	4
27	The Hamilton equations of ferrohydrodynamics with the Landauâ€“Lifshitz equation for magnetization. Russian Physics Journal, 2010, 53, 732-737.	0.4	1
28	Poisson brackets method in ferrohydrodynamics. Physics Procedia, 2010, 9, 131-136.	1.2	0
29	Ferrofluid dynamics, magnetic relaxation, and irreversible thermodynamics. Journal of Chemical Physics, 2010, 132, 184907.	3.0	12
30	Hamiltonian formalism of equations of ferrohydrodynamics. Doklady Physics, 2009, 54, 488-490.	0.7	3
31	Aharonov-Bohm effect for the potential of a Coulomb field in electronic gas of quantum cylinder. Russian Journal of Mathematical Physics, 2009, 16, 563-565.	1.5	1
32	Screening of the Coulomb field in a magnetized electron gas of a quantum cylinder. Journal of Experimental and Theoretical Physics, 2009, 108, 898-904.	0.9	5
33	Superconductivity of the magnetized electron gas of a quantum cylinder. Journal of Experimental and Theoretical Physics, 2008, 107, 662-667.	0.9	4
34	Dielectric properties of a magnetized electron gas in a nanotube. Physics of the Solid State, 2008, 50, 2317-2321.	0.6	9
35	Exchange interaction and oscillations of the magnetization of the electron gas in a quantum cylinder. Journal of Experimental and Theoretical Physics, 2006, 103, 632-636.	0.9	2
36	A contribution from exchange interaction to magnetization of a degenerate electron gas in a quantum cylinder. Russian Physics Journal, 2006, 49, 1320-1324.	0.4	0

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37	Radiative decay of the massive neutrino in magnetized plasma. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 357-369.	3.6	5
38	Radiative decay of a massive dirac neutrino in neutron stars. Russian Physics Journal, 2000, 43, 460-464.	0.4	2
39	Photons and leptons in external fields at finite temperature and density. Physics-Uspekhi, 1997, 40, 229-255.	2.2	24
40	Electron self-energy in (2 + 1) topologically massive QED at finite temperature and density. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 359, 155-158.	4.1	12
41	Proper energy of an electron in a topologically massive (2+1) quantum electrodynamics system at finite temperature and density. Russian Physics Journal, 1995, 38, 489-492.	0.4	0
42	Processes of associated production of the Higgs boson with the Z boson in a superstrong magnetic field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1991, 34, 86-90.	0.0	0
43	Temperature shift of neutrino mass in a magnetic field. Soviet Physics Journal (English Translation of) Tj ETQq1 1 0.784314 rgBT /Ove	0.0	4
44	Photoproduction of neutrino pairs on an electron in a magnetic field. Soviet Physics Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	0
45	Photogeneration of an electron-positron pair and a photon in a magnetic field with polarization effects taken into account. Soviet Physics Journal (English Translation of Izvestiia Vysshykh) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.0	0
46	Resonance two-photon pair production on nuclei and on electrons. Soviet Physics Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	5
47	Compton effect in a magnetic field with allowance for polarization effects. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1980, 23, 687-690.	0.0	0
48	Resonance bremsstrahlung of an electron by a nucleus in the field of a plane electromagnetic wave. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1980, 23, 184-188.	0.0	2
49	The decay $$mu o evmathop vlimits^ sim $$ in the field of a plane electromagnetic wave. Theoretical and Mathematical Physics(Russian Federation), 1980, 44, 747-749.	0.9	2
50	Emission of neutrino pairs by an electron in an ultrastrong magnetic field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1978, 21, 361-365.	0.0	1