

# Vladimir G Baryshevsky

## List of Publications by Year in descending order

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134  
papers

1,356  
citations

394286

19  
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32  
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135  
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135  
docs citations

135  
times ranked

554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single crystals of tungsten compounds as promising materials for the total absorption detectors of the e.m. calorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 322, 231-234.	0.7	132
2	YAlO <sub>3</sub> : Ce-fast-acting scintillators for detection of ionizing radiation. Nuclear Instruments & Methods in Physics Research B, 1991, 58, 291-293.	0.6	122
3	Spectroscopy and scintillation properties of cerium doped YAlO <sub>3</sub> single crystals. Journal of Physics Condensed Matter, 1993, 5, 7893-7902.	0.7	74
4	Generation of $\hat{\nu}^3$ -quanta by channeled particles in the presence of a variable external field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 77, 61-64.	0.9	72
5	Parametric X-ray radiation at a small angle near the velocity direction of the relativistic particle. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 13-18.	0.6	55
6	A comparative analysis of various mechanisms for the generation of X-rays by relativistic particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 228, 490-495.	0.7	47
7	The X-ray radiation of ultrarelativistic electrons in a crystal. Physics Letters, Section A: General, Atomic and Solid State Physics, 1976, 57, 183-185.	0.9	37
8	Parametric beam instability of relativistic charged particles in a crystal. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 102, 141-144.	0.9	35
9	Observation of monochromatic X-ray radiation from 900 MeV electrons transmitting through a diamond crystal. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 110, 177-179.	0.9	35
10	Angular distribution of photons from channelled particles. Journal of Physics C: Solid State Physics, 1983, 16, 3663-3671.	1.5	25
11	Crystal undulators: from the prediction to the mature simulations. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 30-36.	0.6	24
12	The possibility to measure the magnetic moments of short-lived particles (charm and beauty baryons) at LHC and FCC energies using the phenomenon of spin rotation in crystals. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 426-429.	1.5	24
13	Theoretical interpretation of parametric X-ray spectra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 249, 306-319.	0.7	22
14	Parametric (quasi-Cerenkov) X-ray free electron lasers. Journal Physics D: Applied Physics, 1991, 24, 1250-1257.	1.3	22
15	Birefringence of particles (nuclei, atoms) of spin $S \approx \frac{3}{4} 1$ in matter. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 431-434.	0.9	22
16	Spin oscillations of high-energy particles (nuclei) passing through matter and the possibility of measuring the spin-dependent part of the amplitude of zero-angle elastic coherent scattering. Journal of Physics G: Nuclear and Particle Physics, 1993, 19, 273-282.	1.4	22
17	First lasing of a volume FEL (VFEL) at a wavelength range $\hat{\nu} \approx \frac{1}{4} \hat{\nu}^4$ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 21-23.	0.7	21
18	Angular distribution of parametric X-rays. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 110, 477-479.	0.9	20

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19	Rotation of particle spin in a storage ring with a polarized beam and measurement of the particle EDM, tensor polarizability and elastic zero-angle scattering amplitude. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 035102.	1.4	19
20	Observation of time oscillation in $3\hat{1}^3$ -annihilation of positronium in a magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 136, 428-432.	0.9	18
21	Oscillations of the positronium decay $\hat{1}^3$ -quantum angular distribution in a magnetic field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, 2835-2847.	0.6	18
22	Radiation cooling of charged beams. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1977, 62, 45-46.	0.9	16
23	Quadrupole moment and quadrupole relaxation of spin of muonium and mesoatoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1977, 64, 238-240.	0.9	16
24	The quadrupole moment of hydrogen-like atoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978, 67, 355-356.	0.9	16
25	Detection of proton parametric x-ray radiation in silicon. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 170, 315-318.	0.9	14
26	Experimental Study of an Axial Vircator With Resonant Cavity. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 3507-3511.	0.6	14
27	Spin oscillation and the possibility of quadrupole moment measurement for $\hat{1}^3$ -hyperons moving in a crystal. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1993, 83, 250-254.	0.6	13
28	The movable polarized target as a basic equipment for high energy spin physics experiments at the JINR-Dubna accelerator complex. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 356, 58-61.	0.7	13
29	Volume free electron lasers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 445, 281-283.	0.7	13
30	Spontaneous and induced parametric and Smithâ€™Purcell radiation from electrons moving in a photonic crystal built from the metallic threads. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 252, 92-101.	0.6	12
31	Spontaneous and induced radiation by electrons/positrons in natural and photonic crystals. Volume free electron lasers (VFELs): From microwave and optical to X-ray range. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 355, 17-23.	0.6	11
32	Light pulse dispersion under Laue diffraction from a spatial holographic grating. <i>Optics Communications</i> , 1992, 94, 379-388.	1.0	10
33	Mechanism of scintillations in cerium-doped gadolinium orthosilicate $Gd_2SiO_5 : Ce$ crystals. <i>Journal of Luminescence</i> , 1994, 60-61, 956-959.	1.5	10
34	T-violating neutron spin rotation and spin dichroism in crystals. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1997, 23, 509-515.	1.4	10
35	Progress of the volume FEL (VFEL) experiments in millimeter range. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 507, 137-140.	0.7	10
36	Experimental observation of frequency tuning of X-ray radiation from nonrelativistic electrons in crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 363, 448-452.	0.9	10

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37	Experimental Study of a Triode Reflex Geometry Vircator. IEEE Transactions on Plasma Science, 2017, 45, 631-635.	0.6	10
38	Spin rotation and depolarization of relativistic particles traveling through a crystal. Nuclear Instruments & Methods in Physics Research B, 1990, 44, 266-272.	0.6	9
39	Diffraction X-ray radiation from a relativistic oscillator in a crystal. Journal of Physics Condensed Matter, 1991, 3, 2421-2430.	0.7	9
40	Study of nanometric thin pyrolytic carbon films for explosive electron emission cathode in high-voltage planar diode. Thin Solid Films, 2015, 581, 107-111.	0.8	9
41	Neutron weak spin rotation due to nuclear polarization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 120, 267-269.	1.5	8
42	Detection of parametric X-ray radiation of a GaAs monocrystal. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 141, 311-313.	0.9	8
43	Production of a Beam of Tensor-Polarized Deuterons Using a Carbon Target. Physical Review Letters, 2010, 104, 222501.	2.9	8
44	Potential for the measurement of the tensor electric and magnetic polarizabilities of the deuteron in storage-ring experiments with polarized beams. Journal of Physics: Conference Series, 2011, 295, 012034.	0.3	8
45	2-D Simulation and Experimental Investigation of an Axial Vircator. IEEE Transactions on Plasma Science, 2013, 41, 2712-2716.	0.6	8
46	Spin rotation and depolarization of high-energy particles in crystals at LHC and FCC energies. The possibility to measure the anomalous magnetic moments of short-lived particles and quadrupole moment of $\Lambda$ -hyperon. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 5-10.	0.6	8
47	Experimental observation of radiation frequency tuning in $\text{OLSE-10}$ prototype of volume free electron laser. Nuclear Instruments & Methods in Physics Research B, 2006, 252, 86-91.	0.6	7
48	Radical increase of the parametric X-ray intensity under condition of extremely asymmetric diffraction. Nuclear Instruments & Methods in Physics Research B, 2017, 412, 86-92.	0.6	7
49	Experimental observation of the parametric X-rays from ultrarelativistic electrons. Journal Physics D: Applied Physics, 1986, 19, 171-176.	1.3	6
50	Formation of distributed feedback in an FEL under multi-wave diffraction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 358, 493-496.	0.7	6
51	Influence of Coulomb-nuclear interference on the deuteron spin dichroism phenomenon in a carbon target in the energy interval 5–20 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 229-234.	1.5	6
52	Cumulation of High-Current Electron Beams: Theory and Experiment. IEEE Transactions on Plasma Science, 2017, 45, 2739-2743.	0.6	6
53	Ultrarelativistic particle radiation in a crystal and observation of the $\hat{\Gamma}^3$ correlations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 76, 452-454.	0.9	5
54	On the influence of the ultrasonic excitation of sources (absorbers) on the Mossbauer spectrum. Journal of Physics C: Solid State Physics, 1985, 18, 191-201.	1.5	5

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55	Prospects of production of fast scintillators based on doped compound structure oxides for electromagnetic calorimeters. Nuclear Tracks and Radiation Measurements (1993), 1993, 21, 111-112.	0.1	5
56	Chirped pulse distortion in a volume reflection grating. Optics Communications, 1994, 110, 401-409.	1.0	5
57	Gamma-ray spectroscopic system for remote detection and monitoring of fissile materials. IEEE Transactions on Nuclear Science, 1994, 41, 971-975.	1.2	5
58	Proton (neutron) spin rotation in a polarized nuclear target: Method for investigating nuclear interactions. Physical Review C, 1996, 53, 267-276.	1.1	5
59	The effect of spin oscillation of relativistic particles passing through substance and the possibility of constituent quark rescattering observation at hyperon-proton collision. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 2049-2064.	1.4	5
60	Time-Reversal-Violating Generation of Static Magnetic and Electric Fields and a Problem of Electric Dipole Moment Measurement. Physical Review Letters, 2004, 93, 043003.	2.9	5
61	Dynamical diffraction theory of waves in photonic crystals built from anisotropically scattering elements. Journal of Nanophotonics, 2012, 6, 061713.	0.4	5
62	Tensor polarization of deuterons passing through matter. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 125002.	1.4	5
63	On the influence of crystal structure on the electromagnetic shower development in the lead tungstate crystals. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 35-39.	0.6	5
64	Muonium acoustic resonance. Hyperfine Interactions, 1991, 65, 1101-1105.	0.2	4
65	Spin rotation of high-energy particles in a nuclear pseudomagnetic field of a polarized target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 256, 529-532.	1.5	4
66	Experimental study of the influence of multiple scattering on the parametric X-rays characteristics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 334, 631-637.	0.7	4
67	Spectral-angular distribution and polarization of surface parametric X-ray radiation of a relativistic charged particle. Nuclear Instruments & Methods in Physics Research B, 1993, 83, 482-494.	0.6	4
68	P- and T-violating spin rotation of an atom (molecule) passing through a laser wave. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 4421-4431.	0.6	4
69	Phenomenon of the time-reversal-violating photon polarization plane rotation by an electric field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 260, 24-30.	0.9	4
70	Cooperative parametric (quasi-Cherenkov) radiation produced by electron bunches in natural or photonic crystals. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 76-80.	0.6	4
71	Generation of High-Current Electron Beams in Diodes With Large-Area Explosive Emission Cathodes. IEEE Transactions on Plasma Science, 2016, 44, 1103-1111.	0.6	4
72	Electromagnetic dipole moment and time reversal invariance violating interactions of high energy short-lived particles in bent and straight crystals. Physical Review Accelerators and Beams, 2019, 22, .	0.6	4

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73	Electrostatic cumulation of high-current electron beams for terahertz sources. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	0.6	4
74	Gamma quantum resonance scattering in crystals being irradiated by a laser wave. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 96, 439-442.	0.9	3
75	Beam instability in a nonmonochromatic wave and the possibility of optical phase conjugation in a relativistic particle beam. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 132, 30-32.	0.9	3
76	X-ray laser by channeling radiation in the presence of a distributed feedback. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1990, 51, 368-382.	0.6	3
77	Transformation of X-Ray polarization under dynamical grazing incidence diffraction. <i>Physica Status Solidi A</i> , 1993, 140, 49-55.	1.7	3
78	Atom (molecule) spin rotation and oscillation under refraction in constant electric field. Atomic-spin interferometry. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, 3277-3289.	0.6	3
79	Time-reversal-violating rotation of a polarization plane of light in gas placed in an electric field. <i>Physical Review A</i> , 2002, 66, .	1.0	3
80	Coherent bremsstrahlung and parametric X-ray radiation from nonrelativistic electrons in a crystal. <i>Technical Physics Letters</i> , 2006, 32, 392-395.	0.2	3
81	Time dependence of the intensity of parametric X-ray radiation produced by relativistic particles passing through crystals. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 293, 35-41.	0.6	3
82	Cherenkov and parametric (quasi-Cherenkov) radiation produced by a relativistic charged particle moving through a crystal built from metallic wires. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 402, 30-34.	0.6	3
83	Volume Free Electron Laser with a "Grid" Photonic Crystal in a Cylindrical Waveguide. <i>Acta Physica Polonica A</i> , 2009, 115, 971-972.	0.2	3
84	Hyperfine interactions of muonium in alpha-quartz. <i>Hyperfine Interactions</i> , 1990, 60, 713-716.	0.2	2
85	Mutual focusing of an electron beam and an electromagnetic wave in a free electron laser. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 148, 272-274.	0.9	2
86	Parity nonconservation under spin rotation of an atom (molecule) travelling in a laser wave. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 177, 38-42.	0.9	2
87	Influence of an amorphous layer on the polarization characteristics of X-ray radiation under grazing geometry diffraction. <i>Physica Status Solidi A</i> , 1994, 142, 315-319.	1.7	2
88	The phenomena of the time-violating photon polarization plane and neutron spin rotation by a diffraction grating. New methods of measuring of the time-violating interactions. <i>Journal of High Energy Physics</i> , 1998, 1998, 018-018.	1.6	2
89	Application of volume diffraction grating for TeraHertz lasing in volume FEL (VFEL). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 507, 93-96.	0.7	2
90	Application of PWO crystals for detection of low-activity gamma-radiation in the energy range above 3MeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 537, 439-442.	0.7	2

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91	Spin rotation and oscillations of high energy particles in a crystal and possibility to measure the quadrupole moments and tensor polarizabilities of elementary particles and nuclei. Nuclear Instruments & Methods in Physics Research B, 2006, 252, 136-141.	0.6	2
92	The laser in the axial electric field as a tool to search for P-, T-invariance violation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 2467-2479.	0.6	2
93	Experimental studies of Volume FELs with a photonic crystal. , 2010, , .		2
94	Time dependence of the intensity of parametric quasi-Cherenkov radiation produced by relativistic particles passing through electromagnetic (photonic) crystals. Journal of Nanophotonics, 2012, 6, 061714.	0.4	2
95	Quasi-Cherenkov parametric radiation from relativistic particles passing through a photonic crystal. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 69-75.	0.6	2
96	Statistical properties of cooperative emission of an ensemble of nonisochronous electronsâ€“oscillators. Technical Physics, 2016, 61, 934-937.	0.2	2
97	Delay of a microwave pulse in a photonic crystal. Journal of Applied Physics, 2017, 122, 083104.	1.1	2
98	Visible radiation formed by channeled particles. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 91, 135-138.	0.9	1
99	Mossbauer crystal diffraction at low temperature. Journal of Physics C: Solid State Physics, 1984, 17, 3255-3261.	1.5	1
100	Theoretical interpretation of radiation spectra from channeled positrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 112, 346-351.	0.9	1
101	On the influence of a weak pseudomagnetic field on neutrino oscillations and collective processes in matter of a supernova (neutron stars) and neutrino gas. Journal of Physics C: Nuclear and Particle Physics, 1991, 17, 57-62.	1.4	1
102	X-ray free electron laser in a crystal as distributed feedback resonator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 304, 421-426.	0.7	1
103	Surface quasi-Cherenkov free-electron laser. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 341, 274-276.	0.7	1
104	A new mechanism of absorption anisotropy of high energy photons in a crystal. Nuclear Physics B, 1994, 424, 418-431.	0.9	1
105	Visible surface quasi-Cherenkov FEL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 358, 508-511.	0.7	1
106	Time-reversal-violating optical gyrotropy in a medium exposed to electric and magnetic field. European Physical Journal D, 2002, 52, C465-C470.	0.4	1
107	On parametric x-ray radiation. Physics of Atomic Nuclei, 2003, 66, 409-415.	0.1	1
108	Deuteron Spin Dichroism: From Theory to First Experimental Results. AIP Conference Proceedings, 2007, , .	0.3	1

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109	The possibility of Cherenkov radiation generation in a photonic crystal formed by parallel metallic threads. , 2010, , .		1
110	To the Possibility of Measurements of Orthopositronium Annihilation Amplitudes for QED Testing. Acta Physica Polonica A, 1995, 88, 73-78.	0.2	1
111	Parametric x-rays in crystals subjected to the resonant action of ultrasonic waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 140, 205-208.	0.9	0
112	The influence of absorption on the generation threshold in an X-ray laser by channeling radiation in the presence of distributed feedback. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 149, 30-34.	0.9	0
113	Neutron depolarization in matter with polarized nuclei. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 160, 197-200.	0.9	0
114	Electron beam focusing by an inhomogeneous electromagnetic wave in the inverse free electron laser. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 341, 256-258.	0.7	0
115	Grazing-Incidence X-Ray Diffraction in Crystals with Magnetic Amorphous Film. Physica Status Solidi A, 1995, 147, 15-21.	1.7	0
116	Parametric X-ray FEL operating with external Bragg reflectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 375, 292-294.	0.7	0
117	<title>P-odd rotation of atom spin in a laser wave with a finite linewidth</title> . , 1996, 2799, 98.		0
118	Phenomenon of a deuteron ( $\hat{C}\hat{\alpha}^{\sim}$ hyperon) spin oscillation and rotation as a method of the N-N of the N-N (quark-quark) scattering amplitude investigation. European Physical Journal D, 2000, 50, 165-170.	0.4	0
119	Spin rotation and oscillation of high energy particles in storage ring. European Physical Journal D, 2002, 52, C113-C118.	0.4	0
120	Dependence of volume FEL (VFEL) threshold conditions on undulator parameters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 531-533.	0.7	0
121	Use of dynamical undulator mechanism to produce short wavelength radiation in volume FEL (VFEL). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 35-39.	0.7	0
122	Wide range frequency tuning in vacuum electronic devices. , 2003, , .		0
123	Experimental observation of frequency tunable x-rays generated by interaction of nonrelativistic electrons with a silicon crystal. X-Ray Spectrometry, 2007, 36, 343-347.	0.9	0
124	On the possibility to measure the imaginary part of the spin-dependent amplitude of zero-angle coherent elastic scattering in a spin-filter experiment with an unpolarized proton beam interacting with a polarized deuterium target. Journal of Physics: Conference Series, 2011, 295, 012084.	0.3	0
125	Resonance-like production of tensor polarization in the interaction of an unpolarized deuteron beam with graphite targets. Journal of Physics: Conference Series, 2011, 295, 012125.	0.3	0
126	Growth of nuclear spin precession frequency of antiprotons (negative hyperons) under deceleration in matter with polarized nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 394-397.	1.5	0



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127	Magnetic Field Probe for Noninvasive Diagnostics of FCG Operation: Simulation and Experiment. IEEE Transactions on Plasma Science, 2013, 41, 2926-2930.	0.6	0
128	Birefringence (spin rotation and spin dichroism) of high-energy deuterons. Physics of Particles and Nuclei Letters, 2016, 13, 289-294.	0.1	0
129	Statistical fluctuations of radiation in quasi-Cherenkov generators. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 190-193.	0.6	0
130	Microwave pulse delay at propagation through the 1D electromagnetic crystals. EPJ Web of Conferences, 2017, 149, 02019.	0.1	0
131	Statistical fluctuations in cooperative cyclotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 879, 77-83.	0.7	0
132	Radiation instability of a relativistic electron beam moving in a split resonator. Proceedings of the National Academy of Sciences of Belarus Physics and Mathematics Series, 2021, 57, 64-76.	0.1	0
133	Prospects of Positronium Spin Rotation Using for Medium Investigation. Acta Physica Polonica A, 1995, 88, 67-72.	0.2	0
134	Electrostatic Cumulation in a Flow of Charged Particles: A Convenient Research Instrument for High Energy Density Physics. , 2021, , .		0