

# Yurii A Sitenko

## List of Publications by Year in descending order

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28  
papers

210  
citations

1307594

7  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

48  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induced vacuum magnetic field in the cosmic string background. <i>Physical Review D</i> , 2021, 104, .	4.7	2
2	Induced vacuum magnetic flux in quantum spinor matter in the background of a topological defect in two-dimensional space. <i>Physical Review D</i> , 2019, 100, .	4.7	6
3	Properties of the ground state of electronic excitations in carbon-like nanocones. <i>Low Temperature Physics</i> , 2018, 44, 1261-1271.	0.6	8
4	Chiral effects in magnetized quantum spinor matter in particle and astroparticle physics. <i>International Journal of Modern Physics A</i> , 2018, 33, 1845020.	1.5	0
5	Non-Euclidean Geometry, Nontrivial Topology and Quantum Vacuum Effects. <i>Universe</i> , 2018, 4, 23.	2.5	1
6	Hot dense magnetized ultrarelativistic spinor matter in a slab. <i>Physical Review D</i> , 2016, 94, .	4.7	3
7	On the chiral separation effect in a slab. <i>Europhysics Letters</i> , 2016, 114, 61001.	2.0	3
8	Self-adjointness and the Casimir effect with confined quantized spinor matter. <i>Journal of Physics: Conference Series</i> , 2016, 670, 012048.	0.4	2
9	Induced vacuum current and magnetic field in the background of a vortex. <i>International Journal of Modern Physics A</i> , 2016, 31, 1650017.	1.5	6
10	Pressure from the vacuum of confined spinor matter. <i>International Journal of Modern Physics A</i> , 2015, 30, 1550184.	1.5	4
11	Influence of quantized massive matter fields on the Casimir effect. <i>Modern Physics Letters A</i> , 2015, 30, 1550099.	1.2	1
12	The Casimir effect with quantized charged scalar matter in background magnetic field. <i>International Journal of Modern Physics A</i> , 2014, 29, 1450052.	1.5	7
13	The Aharonov-Bohm effect in scattering of nonrelativistic electrons by a penetrable magnetic vortex. <i>Quantum Studies: Mathematics and Foundations</i> , 2014, 1, 213-222.	0.9	2
14	The Aharonov-Bohm effect in scattering theory. <i>Annals of Physics</i> , 2013, 339, 542-559.	2.8	2
15	CASIMIR ENERGY AND FORCE INDUCED BY AN IMPENETRABLE FLUX TUBE OF FINITE RADIUS. <i>International Journal of Modern Physics A</i> , 2013, 28, 1350161.	1.5	6
16	The Aharonov-Bohm effect in scattering of short-wavelength particles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 135305.	2.1	2
17	Optical theorem for Aharonov-Bohm scattering. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 315301.	2.1	4
18	Scattering theory and the Aharonov-Bohm effect in quasiclassical physics. <i>Annals of Physics</i> , 2011, 326, 1441-1456.	2.8	3

#	ARTICLE	IF	CITATIONS
19	The Aharonov-Bohm effect in conical space. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 354014.	2.1	5
20	Diffraction and quasiclassical limit of the Aharonov-Bohm effect. Europhysics Letters, 2010, 92, 60001.	2.0	5
21	Induced vacuum current and magnetic field in the background of a cosmic string. Classical and Quantum Gravity, 2009, 26, 195009.	4.0	29
22	Induced quantum numbers of a magnetic vortex at non-zero temperature. Nuclear Physics B, 2005, 714, 217-255.	2.5	4
23	Fractional electric charge of a magnetic vortex at nonzero temperature. Nuclear Physics B, 2004, 679, 597-620.	2.5	4
24	Induced vacuum energy-momentum tensor in the background of a $d=2$ -brane in $(d+1)$ -dimensional space-time. Physical Review D, 2003, 67, .	4.7	10
25	Self-adjointness of the Two-Dimensional Massless Dirac Hamiltonian and Vacuum Polarization Effects in the Background of a Singular Magnetic Vortex. Annals of Physics, 2000, 282, 167-217.	2.8	29
26	Induced vacuum condensates in the background of a singular magnetic vortex in $(2+1)$ -dimensional space-time. Physical Review D, 1999, 60, .	4.7	29
27	CHIRAL SYMMETRY BREAKING AS A CONSEQUENCE OF NONTRIVIAL SPATIAL TOPOLOGY. Modern Physics Letters A, 1999, 14, 701-708.	1.2	7
28	THE CASIMIR-AHARONOV-BOHM EFFECT?. Modern Physics Letters A, 1998, 13, 379-386.	1.2	26