

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 condensates in the background of a singular magnetic vortex in(2+1)-dimensional space-time. Physical Review D, 1999, 60, . | 4.7 | 29 |
| 2 | 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 |
| 3 | Induced vacuum current and magnetic field in the background of a cosmic string. Classical and Quantum Gravity, 2009, 26, 195009. | 4.0 | 29 |
| 4 | THE CASIMIRâ€™AHARONOVâ€™BOHM EFFECT?. Modern Physics Letters A, 1998, 13, 379-386. | 1.2 | 26 |
| 5 | Induced vacuum energy-momentum tensor in the background of a(dâˆ²)-brane in(d+1)-dimensional space-time. Physical Review D, 2003, 67, . | 4.7 | 10 |
| 6 | Properties of the ground state of electronic excitations in carbon-like nanocones. Low Temperature Physics, 2018, 44, 1261-1271. | 0.6 | 8 |
| 7 | CHIRAL SYMMETRY BREAKING AS A CONSEQUENCE OF NONTRIVIAL SPATIAL TOPOLOGY. Modern Physics Letters A, 1999, 14, 701-708. | 1.2 | 7 |
| 8 | The Casimir effect with quantized charged scalar matter in background magnetic field. International Journal of Modern Physics A, 2014, 29, 1450052. | 1.5 | 7 |
| 9 | CASIMIR ENERGY AND FORCE INDUCED BY AN IMPENETRABLE FLUX TUBE OF FINITE RADIUS. International Journal of Modern Physics A, 2013, 28, 1350161. | 1.5 | 6 |
| 10 | Induced vacuum current and magnetic field in the background of a vortex. International Journal of Modern Physics A, 2016, 31, 1650017. | 1.5 | 6 |
| 11 | Induced vacuum magnetic flux in quantum spinor matter in the background of a topological defect in two-dimensional space. Physical Review D, 2019, 100, . | 4.7 | 6 |
| 12 | The Aharonovâ€™Bohm effect in conical space. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 354014. | 2.1 | 5 |
| 13 | Diffraction and quasiclassical limit of the Aharonov-Bohm effect. Europhysics Letters, 2010, 92, 60001. | 2.0 | 5 |
| 14 | Fractional electric charge of a magnetic vortex at nonzero temperature. Nuclear Physics B, 2004, 679, 597-620. | 2.5 | 4 |
| 15 | Induced quantum numbers of a magnetic vortex at non-zero temperature. Nuclear Physics B, 2005, 714, 217-255. | 2.5 | 4 |
| 16 | Optical theorem for Aharonovâ€™Bohm scattering. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 315301. | 2.1 | 4 |
| 17 | Pressure from the vacuum of confined spinor matter. International Journal of Modern Physics A, 2015, 30, 1550184. | 1.5 | 4 |
| 18 | Scattering theory and the Aharonovâ€™Bohm effect in quasiclassical physics. Annals of Physics, 2011, 326, 1441-1456. | 2.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Hot dense magnetized ultrarelativistic spinor matter in a slab. <i>Physical Review D</i> , 2016, 94, . | 4.7 | 3 |
| 20 | On the chiral separation effect in a slab. <i>Europhysics Letters</i> , 2016, 114, 61001. | 2.0 | 3 |
| 21 | 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 |
| 22 | The Aharonov-Bohm effect in scattering theory. <i>Annals of Physics</i> , 2013, 339, 542-559. | 2.8 | 2 |
| 23 | 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 |
| 24 | Self-adjointness and the Casimir effect with confined quantized spinor matter. <i>Journal of Physics: Conference Series</i> , 2016, 670, 012048. | 0.4 | 2 |
| 25 | Induced vacuum magnetic field in the cosmic string background. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 2 |
| 26 | Influence of quantized massive matter fields on the Casimir effect. <i>Modern Physics Letters A</i> , 2015, 30, 1550099. | 1.2 | 1 |
| 27 | Non-Euclidean Geometry, Nontrivial Topology and Quantum Vacuum Effects. <i>Universe</i> , 2018, 4, 23. | 2.5 | 1 |
| 28 | 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 |