

# Alexander N Petrov

## List of Publications by Year in descending order

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34  
papers

398  
citations

840776

11  
h-index

794594

19  
g-index

36  
all docs

36  
docs citations

36  
times ranked

135  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Conserved quantities for black hole solutions in pure Lovelock gravity. <i>Classical and Quantum Gravity</i> , 2021, 38, 155017.   | 4.0 | 2         |
| 2  | On conserved quantities for the Schwarzschild black hole in teleparallel gravity. <i>European Physical Journal C</i> , 2021, 81, 1.  | 3.9 | 14        |
| 3  | Conserved currents and superpotentials in teleparallel equivalent of GR. <i>Classical and Quantum Gravity</i> , 2020, 37, 095006.  | 4.0 | 16        |
| 4  | Field-theoretical construction of currents and superpotentials in Lovelock gravity. <i>Classical and Quantum Gravity</i> , 2019, 36, 235021.   | 4.0 | 5         |
| 5  | Constant curvature black holes in Einstein AdS gravity: Euclidean action and thermodynamics. <i>Physical Review D</i> , 2018, 97, .  | 4.7 | 1         |
| 6  | A point mass and continuous collapse to a point mass in general relativity. <i>General Relativity and Gravitation</i> , 2018, 50, 1.   | 2.0 | 2         |
| 7  | Constant curvature black holes in Einstein-AdS gravity: Conserved quantities. <i>Physical Review D</i> , 2017, 95, .   | 4.7 | 2         |
| 8  | Maeda-Dadhich solutions as real black holes. <i>Physical Review D</i> , 2015, 92, .  | 4.7 | 7         |
| 9  | Equations of Motion in an Expanding Universe. <i>Fundamental Theories of Physics</i> , 2015, , 689-757.  | 0.3 | 1         |
| 10 | Dynamic field theory and equations of motion in cosmology. <i>Annals of Physics</i> , 2014, 350, 379-440.  | 2.8 | 11        |
| 11 | Covariantized Noether identities and conservation laws for perturbations in metric theories of gravity. <i>General Relativity and Gravitation</i> , 2013, 45, 545-579.                                     | 2.0 | 24        |
| 12 | Post-Newtonian celestial dynamics in cosmology: Field equations. <i>Physical Review D</i> , 2013, 87, .  | 4.7 | 18        |
| 13 | Covariant differential identities and conservation laws in metric-torsion theories of gravitation. I. General consideration. <i>Journal of Mathematical Physics</i> , 2013, 54, 062504.                    | 1.1 | 11        |
| 14 | Covariant differential identities and conservation laws in metric-torsion theories of gravitation. II. Manifestly generally covariant theories. <i>Journal of Mathematical Physics</i> , 2013, 54, 102504. | 1.1 | 8         |
| 15 | Noether and Belinfante corrected types of currents for perturbations in the Einstein-Gauss-Bonnet gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 215021.  | 4.0 | 11        |
| 16 | On creating mass/matter by extra dimensions in the Einstein-Gauss-Bonnet gravity. <i>Gravitation and Cosmology</i> , 2010, 16, 34-41.  | 1.1 | 3         |
| 17 | Three types of superpotentials for perturbations in the Einstein-Gauss-Bonnet gravity. <i>Classical and Quantum Gravity</i> , 2009, 26, 135010.  | 4.0 | 13        |
| 18 | The Schwarzschild Black Hole as a Point Particle. <i>Foundations of Physics Letters</i> , 2005, 18, 477-489.   | 0.6 | 5         |

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|----|--|-----|-----------|
| 19 | A note on the Deser-Tekin charges. <i>Classical and Quantum Gravity</i> , 2005, 22, L83-L90.   | 4.0 | 14        |
| 20 | Center of mass integral in canonical general relativity. <i>Annals of Physics</i> , 2003, 307, 90-131.   | 2.8 | 17        |
| 21 | Conserved currents, superpotentials and cosmological perturbations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2002, 458, 319-337.             | 2.1 | 32        |
| 22 | Asymptotically Flat Spacetimes at Spatial Infinity: II. Gauge Invariance of the Integrals of Motion in the Field Approach. <i>International Journal of Modern Physics D</i> , 1997, 06, 239-261. | 2.1 | 3         |
| 23 | The energy distribution for a spherically symmetric isolated system in general relativity. <i>Foundations of Physics</i> , 1996, 26, 1201-1229.  | 1.3 | 8         |
| 24 | ASYMPTOTICALLY FLAT SPACETIMES AT SPATIAL INFINITY: THE FIELD APPROACH AND THE LAGRANGIAN DESCRIPTION. <i>International Journal of Modern Physics D</i> , 1995, 04, 451-478.                     | 2.1 | 6         |
| 25 | ASSOCIATED LENGTH AND INFLATION IN QUANTUM MECHANICS WITH GRAVITATIONAL SELF-INTERACTION. <i>International Journal of Modern Physics D</i> , 1994, 03, 461-483.                                  | 2.1 | 0         |
| 26 | The associated length and inflation in quantum mechanics with gravitational coupling. <i>General Relativity and Gravitation</i> , 1994, 26, 1153-1164.   | 2.0 | 0         |
| 27 | NONLINEAR QUANTUM MECHANICS WITH NONCLASSICAL GRAVITATIONAL SELF-INTERACTION II: NONSTATIONARY SITUATION. <i>International Journal of Modern Physics A</i> , 1993, 08, 2683-2707.                | 1.5 | 1         |
| 28 | NONLINEAR QUANTUM MECHANICS WITH NONCLASSICAL GRAVITATIONAL SELF-INTERACTION III: RELATED TOPICS. <i>International Journal of Modern Physics A</i> , 1993, 08, 2709-2734.                        | 1.5 | 1         |
| 29 | General relativity from 'localization' of Killing vector fields. <i>Classical and Quantum Gravity</i> , 1993, 10, 2663-2673.   | 4.0 | 7         |
| 30 | Sensitivity of a laser gravitational antenna with a phase-conjugating mirror. <i>Soviet Journal of Quantum Electronics</i> , 1992, 22, 865-867.  | 0.1 | 0         |
| 31 | New harmonic coordinates for the schwarzschild geometry and the field approach. <i>Astronomical and Astrophysical Transactions</i> , 1992, 1, 195-205.   | 0.2 | 3         |
| 32 | ON THE COSMOLOGICAL CONSTANT AS A CONSTANT OF INTEGRATION. <i>Modern Physics Letters A</i> , 1991, 06, 2107-2111.  | 1.2 | 4         |
| 33 | EXACT DYNAMIC THEORIES ON A GIVEN BACKGROUND IN GRAVITATION. <i>International Journal of Modern Physics A</i> , 1988, 03, 2651-2679.   | 1.5 | 24        |
| 34 | Exact theory of the (Einstein) gravitational field in an arbitrary background space-time. <i>Communications in Mathematical Physics</i> , 1984, 94, 379-396.                                     | 2.2 | 103       |