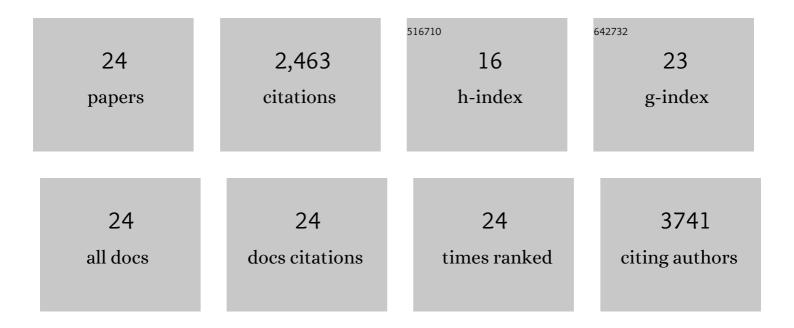
Denis V Martynov

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3. | 26.7 | 808 |
| 2 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1. | 26.7 | 427 |
| 3 | Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. Physical Review Letters, 2019, 123, 231107. | 7.8 | 359 |
| 4 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001. | 4.0 | 225 |
| 5 | Observation of Parametric Instability in Advanced LIGO. Physical Review Letters, 2015, 114, 161102. | 7.8 | 87 |
| 6 | Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, . | 4.7 | 78 |
| 7 | The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209. | 2.4 | 69 |
| 8 | Approaching the motional ground state of a 10-kg object. Science, 2021, 372, 1333-1336. | 12.6 | 59 |
| 9 | Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89. | 4.5 | 52 |
| 10 | Prospects for Detecting Gravitational Waves at 5ÂHz with Ground-Based Detectors. Physical Review Letters, 2018, 120, 141102. | 7.8 | 47 |
| 11 | Towards the design of gravitational-wave detectors for probing neutron-star physics. Physical Review D, 2018, 98, . | 4.7 | 42 |
| 12 | Quantum correlations of light mediated by gravity. Physical Review A, 2020, 101, . | 2.5 | 34 |
| 13 | A 6D interferometric inertial isolation system. Classical and Quantum Gravity, 2019, 36, 245006. | 4.0 | 25 |
| 14 | First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, 151102. | 7.8 | 24 |
| 15 | Testing Gravitational Memory Generation with Compact Binary Mergers. Physical Review Letters, 2018, 121, 071102. | 7.8 | 24 |
| 16 | Quantum-enhanced interferometry for axion searches. Physical Review D, 2020, 101, . | 4.7 | 17 |
| 17 | Gravitationally induced phase shift on a single photon. New Journal of Physics, 2017, 19, 033028. | 2.9 | 16 |
| 18 | Quantum correlation measurements in interferometric gravitational-wave detectors. Physical Review A, 2017, 95, . | 2.5 | 16 |

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Passive optical gyroscope with double homodyne readout. Optics Letters, 2019, 44, 1584. | 3.3 | 16 |
| 20 | Converting the signal-recycling cavity into an unstable optomechanical filter to enhance the detection bandwidth of gravitational-wave detectors. Physical Review D, 2019, 99, . | 4.7 | 15 |
| 21 | A six degree-of-freedom fused silica seismometer: designÂand tests of a metal prototype. Classical and Quantum Gravity, 2022, 39, 015006. | 4.0 | 9 |
| 22 | Enhancing interferometer sensitivity without sacrificing bandwidth and stability: Beyond single-mode and resolved-sideband approximation. Physical Review D, 2021, 103, . | 4.7 | 8 |
| 23 | Effects of transients in LIGO suspensions on searches for gravitational waves. Review of Scientific Instruments, 2017, 88, 124501. | 1.3 | 6 |
| 24 | Two-Carrier Scheme: Evading the 3ÂdB Quantum Penalty of Heterodyne Readout in Gravitational-Wave Detectors. Physical Review Letters, 2021, 126, 221301. | 7.8 | 0 |