

# Denis V Martynov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7505948/publications.pdf>

Version: 2024-02-01

24  
papers

2,463  
citations

516710

16  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3741  
citing authors

#	ARTICLE	IF	CITATIONS
1	A six degree-of-freedom fused silica seismometer: design and tests of a metal prototype. <i>Classical and Quantum Gravity</i> , 2022, 39, 015006.	4.0	9
2	Approaching the motional ground state of a 10-kg object. <i>Science</i> , 2021, 372, 1333-1336.	12.6	59
3	Enhancing interferometer sensitivity without sacrificing bandwidth and stability: Beyond single-mode and resolved-sideband approximation. <i>Physical Review D</i> , 2021, 103, .	4.7	8
4	Two-Carrier Scheme: Evading the 3dB Quantum Penalty of Heterodyne Readout in Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2021, 126, 221301.	7.8	0
5	Quantum correlations of light mediated by gravity. <i>Physical Review A</i> , 2020, 101, .	2.5	34
6	Quantum-enhanced interferometry for axion searches. <i>Physical Review D</i> , 2020, 101, .	4.7	17
7	Converting the signal-recycling cavity into an unstable optomechanical filter to enhance the detection bandwidth of gravitational-wave detectors. <i>Physical Review D</i> , 2019, 99, .	4.7	15
8	A 6D interferometric inertial isolation system. <i>Classical and Quantum Gravity</i> , 2019, 36, 245006.	4.0	25
9	Exploring the sensitivity of gravitational wave detectors to neutron star physics. <i>Physical Review D</i> , 2019, 99, .	4.7	78
10	Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. <i>Physical Review Letters</i> , 2019, 123, 231107.	7.8	359
11	Passive optical gyroscope with double homodyne readout. <i>Optics Letters</i> , 2019, 44, 1584.	3.3	16
12	Prospects for Detecting Gravitational Waves at 5Hz with Ground-Based Detectors. <i>Physical Review Letters</i> , 2018, 120, 141102.	7.8	47
13	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
14	Towards the design of gravitational-wave detectors for probing neutron-star physics. <i>Physical Review D</i> , 2018, 98, .	4.7	42
15	Testing Gravitational Memory Generation with Compact Binary Mergers. <i>Physical Review Letters</i> , 2018, 121, 071102.	7.8	24
16	Gravitationally induced phase shift on a single photon. <i>New Journal of Physics</i> , 2017, 19, 033028.	2.9	16
17	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
18	Quantum correlation measurements in interferometric gravitational-wave detectors. <i>Physical Review A</i> , 2017, 95, .	2.5	16

#	ARTICLE	IF	CITATIONS
19	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
20	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , 2017, 118, 151102.	7.8	24
21	Effects of transients in LIGO suspensions on searches for gravitational waves. <i>Review of Scientific Instruments</i> , 2017, 88, 124501.	1.3	6
22	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	4.0	225
23	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	26.7	427
24	Observation of Parametric Instability in Advanced LIGO. <i>Physical Review Letters</i> , 2015, 114, 161102.	7.8	87