

Gianluca Guidi

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

5,830
citations

361413

20
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

4815
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001. | 4.0 | 2,530 |
| 2 | 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 |
| 3 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3. | 26.7 | 447 |
| 4 | 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 |
| 5 | Virgo: a laser interferometer to detect gravitational waves. <i>Journal of Instrumentation</i> , 2012, 7, P03012-P03012. | 1.2 | 257 |
| 6 | 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 |
| 7 | Status of the Virgo project. <i>Classical and Quantum Gravity</i> , 2011, 28, 114002. | 4.0 | 171 |
| 8 | Testing gravitational-wave searches with numerical relativity waveforms: results from the first Numerical INjection Analysis (NINJA) project. <i>Classical and Quantum Gravity</i> , 2009, 26, 165008. | 4.0 | 110 |
| 9 | All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , 2010, 81, . | 4.7 | 107 |
| 10 | Low-latency analysis pipeline for compact binary coalescences in the advanced gravitational wave detector era. <i>Classical and Quantum Gravity</i> , 2016, 33, 175012. | 4.0 | 107 |
| 11 | SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010, 715, 1453-1461. | 4.5 | 90 |
| 12 | Calibration and sensitivity of the Virgo detector during its second science run. <i>Classical and Quantum Gravity</i> , 2011, 28, 025005. | 4.0 | 85 |
| 13 | Noise from scattered light in Virgo's second science run data. <i>Classical and Quantum Gravity</i> , 2010, 27, 194011. | 4.0 | 59 |
| 14 | 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 |
| 15 | Complete phenomenological gravitational waveforms from spinning coalescing binaries. <i>Journal of Physics: Conference Series</i> , 2010, 243, 012007. | 0.4 | 41 |
| 16 | Status of NINJA: the Numerical INjection Analysis project. <i>Classical and Quantum Gravity</i> , 2009, 26, 114008. | 4.0 | 39 |
| 17 | The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2011, 30, 63-79. | 2.9 | 28 |
| 18 | Bistability in the Isocitrate Dehydrogenase Reaction: An Experimentally Based Theoretical Study. <i>Biophysical Journal</i> , 1998, 74, 1229-1240. | 0.5 | 27 |

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|----|--|-----|-----------|
| 19 | The Advanced Virgo detector. Journal of Physics: Conference Series, 2015, 610, 012014. | 0.4 | 27 |
| 20 | Noise parametric identification and whitening for LIGO 40-m interferometer data. Physical Review D, 2001, 64, . | 4.7 | 21 |
| 21 | Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. Classical and Quantum Gravity, 2022, 39, 045006. | 4.0 | 20 |
| 22 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, . | 6.6 | 20 |
| 23 | Oscillations and bistability predicted by a model for a cyclical bienzymatic system involving the regulated isocitrate dehydrogenase reaction. Biophysical Chemistry, 2000, 83, 153-170. | 2.8 | 12 |
| 24 | The NoEMi (Noise Frequency Event Miner) framework. Journal of Physics: Conference Series, 2012, 363, 012037. | 0.4 | 12 |
| 25 | From bistability to oscillations in a model for the isocitrate dehydrogenase reaction. Biophysical Chemistry, 1998, 72, 201-210. | 2.8 | 11 |
| 26 | Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. Classical and Quantum Gravity, 2013, 30, 055017. | 4.0 | 11 |
| 27 | Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator. Classical and Quantum Gravity, 2014, 31, 165013. | 4.0 | 10 |
| 28 | Status of VIRGO. Classical and Quantum Gravity, 2003, 20, S609-S616. | 4.0 | 9 |
| 29 | Advanced Virgo Status. Journal of Physics: Conference Series, 2020, 1342, 012010. | 0.4 | 9 |
| 30 | A power filter for the detection of burst events based on time-frequency spectrum estimation. Classical and Quantum Gravity, 2004, 21, S815-S820. | 4.0 | 8 |
| 31 | Virgo calibration and reconstruction of the gravitational wave strain during VSR1. Journal of Physics: Conference Series, 2010, 228, 012015. | 0.4 | 8 |
| 32 | A state observer for the Virgo inverted pendulum. Review of Scientific Instruments, 2011, 82, 094502. | 1.3 | 8 |
| 33 | Data analysis methods for non-Gaussian, nonstationary and nonlinear features and their application to VIRGO. Classical and Quantum Gravity, 2003, 20, S915-S924. | 4.0 | 7 |
| 34 | A time-domain veto for binary inspirals search. Classical and Quantum Gravity, 2004, 21, S1767-S1774. | 4.0 | 5 |
| 35 | Characterization of the Virgo seismic environment. Classical and Quantum Gravity, 2012, 29, 025005. | 4.0 | 5 |
| 36 | THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. International Journal of Modern Physics D, 2011, 20, 2075-2079. | 2.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Unmodeled search for black hole binary systems in the NINJA project. <i>Classical and Quantum Gravity</i> , 2009, 26, 204005. | 4.0 | 3 |
| 38 | Publisher's Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [<i>Phys. Rev. D</i> 81 (2010)]. <i>Physical Review D</i> , 2012, 85, . | 4.7 | 3 |
| 39 | Noise monitor tools and their application to Virgo data. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012024. | 0.4 | 2 |
| 40 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 41 | Testing the performance of a blind burst statistic. <i>Classical and Quantum Gravity</i> , 2003, 20, S821-S828. | 4.0 | 1 |
| 42 | Performance of a generalized filter for the detection of burst events. <i>Classical and Quantum Gravity</i> , 2004, 21, S741-S747. | 4.0 | 1 |
| 43 | Status of the commissioning of the Virgo interferometer. , 2012, , . | | 1 |
| 44 | Effects of cholesterol and azelaic acid in lecithin liposomes exposed to ELF fields: A thermodynamic and structural study. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 205-211. | 0.4 | 0 |
| 45 | Tools for noise characterization in Virgo. <i>Journal of Physics: Conference Series</i> , 2010, 243, 012004. | 0.4 | 0 |