

Cinzia Di Giorgio

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,851
citations

411340

20
h-index

355658

38
g-index

39
all docs

39
docs citations

39
times ranked

3535
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , 2022, 39, 045006. | 1.5 | 20 |
| 2 | Mechanical, Elastic, and Adhesive Properties of Two-Dimensional Materials: From Straining Techniques to State-of-the-Art Local Probe Measurements. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 1.9 | 24 |
| 3 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, . | 1.8 | 20 |
| 4 | Room-temperature ferromagnetism in oxidized-graphenic nanoplatelets induced by topographic defects. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 524, 167664. | 1.0 | 5 |
| 5 | Emergence and Evolution of Crystallization in TiO ₂ Thin Films: A Structural and Morphological Study. <i>Nanomaterials</i> , 2021, 11, 1409. | 1.9 | 20 |
| 6 | Ternary quarter wavelength coatings for gravitational wave detector mirrors: Design optimization via exhaustive search. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 7 |
| 7 | Exceptional Elasticity of Microscale Constrained MoS ₂ Domes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48228-48238. | 4.0 | 13 |
| 8 | The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , 2020, 116, 102386. | 1.9 | 9 |
| 9 | Nanoscale Measurements of Elastic Properties and Hydrostatic Pressure in H ₂ -Bulged MoS ₂ Membranes. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001024. | 1.9 | 26 |
| 10 | A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , 2020, 893, 100. | 1.6 | 12 |
| 11 | GW190521: A Binary Black Hole Merger with a Total Mass of $\lesssim 150 M_{\odot}$. <i>Physical Review Letters</i> , 2020, 125, 101102. | 2.9 | 35 |
| 12 | Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , 2020, 125, 131101. | 2.9 | 35 |
| 13 | GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 394 |
| 14 | Engineered Creation of Periodic Giant, Nonuniform Strains in MoS ₂ Monolayers. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000621. | 1.9 | 38 |
| 15 | Model comparison from LIGO-Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , 2020, 37, 045006. | 1.5 | 109 |
| 16 | Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 69 |
| 17 | Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13. | 3.0 | 406 |
| 18 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21. | 3.0 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 54 |
| 20 | Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 52 |
| 21 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102. | 2.9 | 119 |
| 22 | On the performance limits of coatings for gravitational wave detectors made of alternating layers of two materials. <i>Optical Materials</i> , 2019, 96, 109269. | 1.7 | 10 |
| 23 | Effects of cobalt substitution on ZnO surface reactivity and electronic structure. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8364-8373. | 2.7 | 13 |
| 24 | All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 22 |
| 25 | Quantitative magnetic force microscopy using calibration on superconducting flux quanta. <i>Nanotechnology</i> , 2019, 30, 314004. | 1.3 | 6 |
| 26 | Vortex-core properties and vortex-lattice transformation in FeSe. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 15 |
| 27 | Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , 2019, 123, 231108. | 2.9 | 254 |
| 28 | Evolution of Metastable Defects and Its Effect on the Electronic Properties of MoS ₂ Films. <i>Scientific Reports</i> , 2018, 8, 6724. | 1.6 | 40 |
| 29 | Metastable defects in monolayer and few-layer films of MoS ₂ . <i>AIP Conference Proceedings</i> , 2018, , . | 0.3 | 1 |
| 30 | Inter-Layer Coupling Induced Valence Band Edge Shift in Mono- to Few-Layer MoS ₂ . <i>Scientific Reports</i> , 2017, 7, 40559. | 1.6 | 32 |
| 31 | Piezoelectricity and charge trapping in ZnO and Co-doped ZnO thin films. <i>AIP Advances</i> , 2017, 7, . | 0.6 | 14 |
| 32 | Anisotropic Superconducting Gaps and Boson Mode in FeSe 1 ^{âˆ—} x S x Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 763-768. | 0.8 | 2 |
| 33 | Observation of superconducting vortex clusters in S/F hybrids. <i>Scientific Reports</i> , 2016, 6, 38557. | 1.6 | 19 |
| 34 | Ferromagnetism and Conductivity in Hydrogen Irradiated Co-Doped ZnO Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12925-12931. | 4.0 | 25 |
| 35 | Evolution of the superconducting properties in $\text{FeSe}_{1-x}\text{S}_x$ Single Crystals. <i>Physical Review B</i> , 2015, 92, . | 1.1 | 35 |
| 36 | Vortex-antivortex coexistence in Nb-based superconductor/ferromagnet heterostructures. <i>Physical Review B</i> , 2014, 89, . | 1.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Magnetic pinning in a superconducting film by a ferromagnetic layer with stripe domains. Superconductor Science and Technology, 2014, 27, 125002. | 1.8 | 4 |
| 38 | Superconducting Vortex-Antivortex Pairs: Nucleation and Confinement in Magnetically Coupled Superconductor-Ferromagnet Hybrids. , 0, , . | | 0 |