

Cinzia Di Giorgio

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,851
citations

361413

20
h-index

315739

38
g-index

39
all docs

39
docs citations

39
times ranked

3326
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Mechanical, Elastic, and Adhesive Properties of Two-Dimensional Materials: From Straining Techniques to State-of-the-Art Local Probe Measurements. Advanced Materials Interfaces, 2022, 9, .	3.7	24
3	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
4	Room-temperature ferromagnetism in oxidized-graphenic nanoplatelets induced by topographic defects. Journal of Magnetism and Magnetic Materials, 2021, 524, 167664.	2.3	5
5	Emergence and Evolution of Crystallization in TiO ₂ Thin Films: A Structural and Morphological Study. Nanomaterials, 2021, 11, 1409.	4.1	20
6	Ternary quarter wavelength coatings for gravitational wave detector mirrors: Design optimization via exhaustive search. Physical Review Research, 2021, 3, .	3.6	7
7	Exceptional Elasticity of Microscale Constrained MoS ₂ Domes. ACS Applied Materials & Interfaces, 2021, 13, 48228-48238.	8.0	13
8	The advanced Virgo longitudinal control system for the O2 observing run. Astroparticle Physics, 2020, 116, 102386.	4.3	9
9	Nanoscale Measurements of Elastic Properties and Hydrostatic Pressure in H ₂ -Bulged MoS ₂ Membranes. Advanced Materials Interfaces, 2020, 7, 2001024.	3.7	26
10	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100.	4.5	12
11	GW190521: A Binary Black Hole Merger with a Total Mass of $\lesssim 150 M_{\odot}$. Physical Review Letters, 2020, 125, 101102.	7.8	35
12	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. Physical Review Letters, 2020, 125, 131101.	7.8	35
13	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, .	4.7	394
14	Engineered Creation of Periodic Giant, Nonuniform Strains in MoS ₂ Monolayers. Advanced Materials Interfaces, 2020, 7, 2000621.	3.7	38
15	Model comparison from LIGO-Virgo data on GW170817's binary components and consequences for the merger remnant. Classical and Quantum Gravity, 2020, 37, 045006.	4.0	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. Physical Review D, 2020, 101, .	4.7	69
17	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13.	8.3	406
18	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21.	8.3	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, .	4.7	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, .	4.7	52
21	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	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.	3.6	10
23	Effects of cobalt substitution on ZnO surface reactivity and electronic structure. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8364-8373.	5.5	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, .	4.7	22
25	Quantitative magnetic force microscopy using calibration on superconducting flux quanta. <i>Nanotechnology</i> , 2019, 30, 314004.	2.6	6
26	Vortex-core properties and vortex-lattice transformation in FeSe. <i>Physical Review B</i> , 2019, 99, .	3.2	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.	7.8	254
28	Evolution of Metastable Defects and Its Effect on the Electronic Properties of MoS ₂ Films. <i>Scientific Reports</i> , 2018, 8, 6724.	3.3	40
29	Metastable defects in monolayer and few-layer films of MoS ₂ . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
30	Inter-Layer Coupling Induced Valence Band Edge Shift in Mono- to Few-Layer MoS ₂ . <i>Scientific Reports</i> , 2017, 7, 40559.	3.3	32
31	Piezoelectricity and charge trapping in ZnO and Co-doped ZnO thin films. <i>AIP Advances</i> , 2017, 7, .	1.3	14
32	Anisotropic Superconducting Gaps and Boson Mode in FeSe 1 \times 1 \times 1 Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 763-768.	1.8	2
33	Observation of superconducting vortex clusters in S/F hybrids. <i>Scientific Reports</i> , 2016, 6, 38557.	3.3	19
34	Ferromagnetism and Conductivity in Hydrogen Irradiated Co-Doped ZnO Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12925-12931.	8.0	25
35	Evolution of the superconducting properties in $\text{FeSe}_{1-x}\text{S}_x$ Single Crystals. <i>Physical Review B</i> , 2015, 92, .	3.2	35
36	Vortex-antivortex coexistence in Nb-based superconductor/ferromagnet heterostructures. <i>Physical Review B</i> , 2014, 89, .	3.2	23

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37	Magnetic pinning in a superconducting film by a ferromagnetic layer with stripe domains. Superconductor Science and Technology, 2014, 27, 125002.	3.5	4
38	Superconducting Vortex-Antivortex Pairs: Nucleation and Confinement in Magnetically Coupled Superconductor-Ferromagnet Hybrids. , 0, , .		0