

Emmanuele Cappelluti

List of Publications by Year in descending order

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23
papers

2,374
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687220

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docs citations

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times ranked

4390
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain-driven chiral phonons in two-dimensional hexagonal materials. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2	Many-body effects in third harmonic generation of graphene. <i>Physical Review B</i> , 2021, 103, .	1.1	7
3	Dominant role of two-photon vertex in nonlinear response in two-dimensional Dirac systems. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	3.9	11
4	Strain-tuning of the electronic, optical, and vibrational properties of two-dimensional crystals. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	67
5	Topological properties and self-energy effects in elemental Yb. <i>Physical Review B</i> , 2021, 104, .	1.1	0
6	Giant effective charges and piezoelectricity in gapped graphene. <i>2D Materials</i> , 2019, 6, 045015.	2.0	23
7	Zero-point motion and direct-indirect band-gap crossover in layered transition-metal dichalcogenides. <i>Physical Review B</i> , 2018, 98, .	1.1	11
8	Anisotropic MoS ₂ Nanosheets Grown on Self-Organized Nanopatterned Substrates. <i>Advanced Materials</i> , 2017, 29, 1605785.	11.1	53
9	Real-Time Observation of Phonon-Mediated Interband Scattering in MoS ₂ . <i>Physical Review Letters</i> , 2017, 119, 097002.	2.9	16
10	Impurity effects and bandgap closing in massive Dirac systems. <i>Physical Review B</i> , 2017, 96, .	1.1	10
11	Unconventional dc Transport in Rashba Electron Gases. <i>Physical Review Letters</i> , 2016, 116, 166602.	2.9	33
12	Theory of strain in single-layer transition metal dichalcogenides. <i>Physical Review B</i> , 2015, 92, .	1.1	138
13	Strain engineering in semiconducting two-dimensional crystals. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 313201.	0.7	381
14	Local Strain Engineering in Atomically Thin MoS ₂ . <i>Nano Letters</i> , 2013, 13, 5361-5366.	4.5	1,041
15	Tight-binding model and direct-gap/indirect-gap transition in single-layer and multilayer MoS ₂ . <i>Physical Review B</i> , 2013, 88, .	1.1	351
16	Charged-phonon theory and Fano effect in the optical spectroscopy of bilayer graphene. <i>Physical Review B</i> , 2012, 86, .	1.1	35
17	Phonon switching and combined Fano-Rice effect in optical spectra of bilayer graphene. <i>Physical Review B</i> , 2010, 82, .	1.1	31
18	Vertex renormalization in dc conductivity of doped chiral graphene. <i>Physical Review B</i> , 2009, 79, .	1.1	22

#	ARTICLE	IF	CITATIONS
19	Gate Tunable Infrared Phonon Anomalies in Bilayer Graphene. <i>Physical Review Letters</i> , 2009, 103, 116804.	2.9	127
20	Nonadiabatic electron-phonon effects in low carrier density superconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 133-150.	0.7	11
21	Nonadiabatic superconductivity in fullerene-based materials. <i>Physics of the Solid State</i> , 2002, 44, 454-458.	0.2	0
22	Nonadiabatic channels in fullerene compounds. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	1
23	FAILURE OF THE MIGDAL-ELIASHBERG THEORY OF SUPERCONDUCTIVITY IN Rb3C60. <i>International Journal of Modern Physics B</i> , 2000, 14, 2950-2955.	1.0	1