Olivio Chiatti

List of Publications by Year
in descending order

27 papers	320 citations	1307594 7 h-index	839539 18 g-index
27 all docs	27 docs citations	27 times ranked	463 citing authors

#	Article	IF	Citations
1	Quantum Thermal Conductance of Electrons in a One-Dimensional Wire. Physical Review Letters, 2006, 97, 056601.	7.8	86
2	2D layered transport properties from topological insulator Bi2Se3 single crystals and micro flakes. Scientific Reports, 2016, 6, 27483.	3.3	55
3	Character of magnetic excitations in a quasi-one-dimensional antiferromagnet near the quantum critical points: Impact on magnetoacoustic properties. Physical Review B, 2008, 78, .	3.2	38
4	Short-range correlations in quantum frustrated spin system. Physical Review B, 2009, 80, .	3.2	29
5	Interplay of spin and lattice degrees of freedom in the frustrated antiferromagnetCdCr2O4: High-field and temperature-induced anomalies of the elastic constants. Physical Review B, 2011, 83, .	3.2	27
6	High-temperature quantum oscillations of the Hall resistance in bulk Bi2Se3. Scientific Reports, 2018, 8, 485.	3.3	17
7	Mode-selected heat flow through a one-dimensional waveguide network. Applied Physics Letters, 2015, 106, .	3.3	9
8	Noise thermometry in narrow two-dimensional electron gas heat baths connected to a quasi-one-dimensional interferometer. Physical Review B, 2012, 85, .	3.2	7
9	The g-factor of quasi-two-dimensional electrons in InAs/InGaAs/InAlAs inserted-channels. Applied Physics Letters, 2015, 107, .	3.3	7
10	Lattice Instabilities in the Frustrated Magnet CdCr2O4: AnÂUltrasonic Study. Journal of Low Temperature Physics, 2010, 159, 134-137.	1.4	6
11	Thermal measurements of a one-dimensional wire in the quantum limit. Journal of Physics Condensed Matter, 2008, 20, 164210.	1.8	5
12	Scaling Analysis of the Variable Range Hopping in p-Ge at High Compensation. Physica Status Solidi (B): Basic Research, 2002, 230, 237-241.	1.5	4
13	Ultrasonic investigation of NiCl₂-4SC(NH₂)₂in the vicinity of the quantum critical points. Journal of Physics: Conference Series, 2009, 145, 012069.	0.4	4
14	Ultrasonic investigation of NiCl₂-4SC(NH₂)₂. Journal of Physics: Conference Series, 2009, 150, 042016.	0.4	4
15	Electrical and terahertz magnetospectroscopy studies of laser-patterned micro- and nanostructures on InAs-based heterostructures. Applied Physics Letters, 2015, 106, 052102.	3.3	4
16	THz Magneto-Photoresponse Spectroscopy of Two-Dimensional Electrons in an InAs/InGaAs/InAlAs Inserted-Channel. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 291-297.	2.2	4
17	Excess noise in AlxGa1â^'xAs/GaAs based quantum rings. Applied Physics Letters, 2020, 117, .	3.3	3
18	Electrical Transport Properties of Vanadiumâ€Doped Bi₂Te_{2.4}Se_{0.6}. Physica Status Solidi (B): Basic Research, 2021, 258, 2000088.	1.5	3

#	Article	IF	Citations
19	Magnetoacoustics of the Low-Dimensional Quantum Antiferromagnet Cs2CuCl4 with Spin Frustration. Journal of Low Temperature Physics, 2010, 159, 109-113.	1.4	2
20	Electron waveguide interferometers for spinâ€dependent transport experiments. Physica Status Solidi (B): Basic Research, 2014, 251, 1753-1763.	1.5	2
21	Thermal energy and charge currents in multi-terminal nanorings. AIP Advances, 2016, 6, 065306.	1.3	2
22	Heat flow, transport and fluctuations in etched semiconductor quantum wire structures. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 571-581.	1.8	2
23	Low-temperature transport in ultra-thin tungsten films grown by focused-ion-beam deposition. Journal of Physics: Conference Series, 2011, 286, 012023.	0.4	0
24	Model-independent quantitative measurement of nanomechanical oscillator vibrations using electron-microscope linescans. Review of Scientific Instruments, 2013, 84, 075002.	1.3	0
25	Electron waveguide interferometers for spin-dependent transport experiments (Phys. Status Solidi B) Tj ETQq1 1 0.784314 rgBT /Ove	1.5	0
26	Characterization of High Mobility InAs/InGaAs/InAlAs Composite Channels by THz Magneto-Photoresponse Spectroscopy. International Journal of High Speed Electronics and Systems, 2015, 24, 1520004.	0.7	0
27	Characterization of High Mobility InAs/InGaAs/InAlAs Composite Channels by THz Magneto-Photoresponse Spectroscopy. Selected Topics in Electornics and Systems, 2015, , 75-81.	0.2	0