

Olivio Chiatti

List of Publications by Year in descending order

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papers

320
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1307594

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839539

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times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical Transport Properties of Vanadium-Doped $\text{Bi}_{2-x}\text{Te}_{2.4-x}\text{Se}_{0.6}$. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000088.	1.5	3
2	Excess noise in $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ based quantum rings. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	3
3	High-temperature quantum oscillations of the Hall resistance in bulk Bi_2Se_3 . <i>Scientific Reports</i> , 2018, 8, 485.	3.3	17
4	Thermal energy and charge currents in multi-terminal nanorings. <i>AIP Advances</i> , 2016, 6, 065306.	1.3	2
5	Heat flow, transport and fluctuations in etched semiconductor quantum wire structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 571-581.	1.8	2
6	2D layered transport properties from topological insulator Bi_2Se_3 single crystals and micro flakes. <i>Scientific Reports</i> , 2016, 6, 27483.	3.3	55
7	Electrical and terahertz magnetospectroscopy studies of laser-patterned micro- and nanostructures on InAs -based heterostructures. <i>Applied Physics Letters</i> , 2015, 106, 052102.	3.3	4
8	THz Magneto-Photoresponse Spectroscopy of Two-Dimensional Electrons in an $\text{InAs}/\text{InGaAs}/\text{InAlAs}$ Inserted-Channel. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 291-297.	2.2	4
9	The g-factor of quasi-two-dimensional electrons in $\text{InAs}/\text{InGaAs}/\text{InAlAs}$ inserted-channels. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	7
10	Mode-selected heat flow through a one-dimensional waveguide network. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	9
11	Characterization of High Mobility $\text{InAs}/\text{InGaAs}/\text{InAlAs}$ Composite Channels by THz Magneto-Photoresponse Spectroscopy. <i>International Journal of High Speed Electronics and Systems</i> , 2015, 24, 1520004.	0.7	0
12	Characterization of High Mobility $\text{InAs}/\text{InGaAs}/\text{InAlAs}$ Composite Channels by THz Magneto-Photoresponse Spectroscopy. <i>Selected Topics in Electronics and Systems</i> , 2015, , 75-81.	0.2	0
13	Electron waveguide interferometers for spin-dependent transport experiments. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1753-1763.	1.5	2
14	Electron waveguide interferometers for spin-dependent transport experiments (<i>Phys. Status Solidi B</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	0
15	Model-independent quantitative measurement of nanomechanical oscillator vibrations using electron-microscope linescans. <i>Review of Scientific Instruments</i> , 2013, 84, 075002.	1.3	0
16	Noise thermometry in narrow two-dimensional electron gas heat baths connected to a quasi-one-dimensional interferometer. <i>Physical Review B</i> , 2012, 85, .	3.2	7
17	Interplay of spin and lattice degrees of freedom in the frustrated antiferromagnet CdCr_2O_4 : High-field and temperature-induced anomalies of the elastic constants. <i>Physical Review B</i> , 2011, 83, .	3.2	27
18	Low-temperature transport in ultra-thin tungsten films grown by focused-ion-beam deposition. <i>Journal of Physics: Conference Series</i> , 2011, 286, 012023.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Lattice Instabilities in the Frustrated Magnet CdCr ₂ O ₄ : An Ultrasonic Study. Journal of Low Temperature Physics, 2010, 159, 134-137.	1.4	6
20	Magnetoacoustics of the Low-Dimensional Quantum Antiferromagnet Cs ₂ CuCl ₄ with Spin Frustration. Journal of Low Temperature Physics, 2010, 159, 109-113.	1.4	2
21	Short-range correlations in quantum frustrated spin system. Physical Review B, 2009, 80, .	3.2	29
22	Ultrasonic investigation of NiCl ₂ -4SC(NH ₂) ₂ in the vicinity of the quantum critical points. Journal of Physics: Conference Series, 2009, 145, 012069.	0.4	4
23	Ultrasonic investigation of NiCl ₂ -4SC(NH ₂) ₂ . Journal of Physics: Conference Series, 2009, 150, 042016.	0.4	4
24	Thermal measurements of a one-dimensional wire in the quantum limit. Journal of Physics Condensed Matter, 2008, 20, 164210.	1.8	5
25	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
26	Quantum Thermal Conductance of Electrons in a One-Dimensional Wire. Physical Review Letters, 2006, 97, 056601.	7.8	86
27	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