Ilio Miccoli

List of Publications by Year
in descending order

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22	543	1040056	940533
papers	citations	9	16
		h-index	g-index

22	22	22	1122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape, Size Evolution, and Nucleation Mechanisms of GaAs Nanoislands Grown on (111)Si by Low-Temperature Metalâ€“Organic Vapor-Phase Epitaxy. Crystal Growth and Design, 2019, 19, 5523-5530.	3.0	2
2	Charge-transfer transition in Au-induced quantum wires on Si(553). Physical Review B, 2019, 100, .	3.2	10
3	Space charge layer effects in silicon studied by in situ surface transport. Journal of Physics Condensed Matter, 2019, 31, 214001.	1.8	5
4	1D ballistic transport channel probed by invasive and non-invasive contacts. Applied Physics Letters, 2018, 113, .	3.3	5
5	Quasi-free-standing bilayer graphene nanoribbons probed by electronic transport. Applied Physics Letters, 2017, 110, .	3.3	11
6	Tuning the conductivity along atomic chains by selective chemisorption. Physical Review B, 2017, 95, .	3.2	22
7	Metallic Twin Grain Boundaries Embedded in MoSe₂ Monolayers Grown by Molecular Beam Epitaxy. ACS Nano, 2017, 11, 5130-5139.	14.6	83
8	Atomic size effects studied by transport in single silicide nanowires. Physical Review B, 2016, 93, .	3.2	14
9	Interwire coupling for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">I</mml:mi><mml:mtext>n</mml:mtext><mml:mo>(</mml:mo><mml:mrow><mml:mn>4</mml:mn> probed by surface transport. Physical Review B, 2015, 92, .	3.2	8
10	Surface-mediated electrical transport in single GaAs nanowires. , 2015, , .		2
11	Subsurface Imaging of Coupled Carrier Transport in GaAs/AlGaAs Coreâ€“Shell Nanowires. Nano Letters, 2015, 15, 75-79.	9.1	8
12	The 100th anniversary of the four-point probe technique: the role of probe geometries in isotropic and anisotropic systems. Journal of Physics Condensed Matter, 2015, 27, 223201.	1.8	304
13	Mass-transport driven growth dynamics of AlGaAs shells deposited around dense GaAs nanowires by metalorganic vapor phase epitaxy. CrystEngComm, 2015, 17, 5998-6005.	2.6	9
14	Morphology and microstructure of core-shell GaAs/GaxAl1-xAs nanowires investigated by He-ion microscopy and X-ray reciprocal space mapping. Materials Research Society Symposia Proceedings, 2014, 1707, 61.	0.1	0
15	DC-magnetron sputtering of ZnO:Al films on (00.1)Al2O3 substrates from slip-casting sintered ceramic targets. Applied Surface Science, 2014, 313, 418-423.	6.1	22
16	GaAs-AlGaAs core-shell nanowire arrays: correlating MOVPE growth and luminescence properties. , 2014, , .		0
17	Direct Measurement of Band Edge Discontinuity in Individual Coreâ€“Shell Nanowires by Photocurrent Spectroscopy. Nano Letters, 2013, 13, 4152-4157.	9.1	12
18	Built-in elastic strain and localization effects on GaAs luminescence of MOVPE-grown GaAs-AlGaAs core-shell nanowires. Physica Status Solidi - Rapid Research Letters, 2013, 7, 874-877.	2.4	7

#	Article	IF	Citations
19	Synthesis of verticallyâ€aligned GaAs nanowires on GaAs/(111)Si heteroâ€substrates by metalorganic vapour phase epitaxy. Crystal Research and Technology, 2011, 46, 795-800.	1.3	19
20	Microstructural characterization of GaAs-AlxGa1-xAs core-shell nanowires grown by Au-catalyst assisted MOVPE. Materials Research Society Symposia Proceedings, 2011, 1350, 1.	0.1	0
21	On Absorption Properties of GaAs/AlGaAs Nanowire Arrays. , 2010, , .		0
22	On the Luminescence of VLS-grown GaAs-AlGaAs Core-Shell Nanowires and its Dependence on MOVPE Growth Conditions. Materials Research Society Symposia Proceedings, 2009, 1206, 113601.	0.1	0