

Ilio Miccoli

List of Publications by Year in descending order

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22
papers

543
citations

1040056

9
h-index

940533

16
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22
all docs

22
docs citations

22
times ranked

1122
citing authors

#	ARTICLE	IF	CITATIONS
1	The 100th anniversary of the four-point probe technique: the role of probe geometries in isotropic and anisotropic systems. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 223201.	1.8	304
2	Metallic Twin Grain Boundaries Embedded in MoSe ₂ Monolayers Grown by Molecular Beam Epitaxy. <i>ACS Nano</i> , 2017, 11, 5130-5139.	14.6	83
3	DC-magnetron sputtering of ZnO:Al films on (00.1)Al ₂ O ₃ substrates from slip-casting sintered ceramic targets. <i>Applied Surface Science</i> , 2014, 313, 418-423.	6.1	22
4	Tuning the conductivity along atomic chains by selective chemisorption. <i>Physical Review B</i> , 2017, 95, .	3.2	22
5	Synthesis of vertically aligned GaAs nanowires on GaAs/(111)Si hetero-substrates by metalorganic vapour phase epitaxy. <i>Crystal Research and Technology</i> , 2011, 46, 795-800.	1.3	19
6	Atomic size effects studied by transport in single silicide nanowires. <i>Physical Review B</i> , 2016, 93, .	3.2	14
7	Direct Measurement of Band Edge Discontinuity in Individual Core-Shell Nanowires by Photocurrent Spectroscopy. <i>Nano Letters</i> , 2013, 13, 4152-4157.	9.1	12
8	Quasi-free-standing bilayer graphene nanoribbons probed by electronic transport. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	11
9	Charge-transfer transition in Au-induced quantum wires on Si(553). <i>Physical Review B</i> , 2019, 100, .	3.2	10
10	Mass-transport driven growth dynamics of AlGaAs shells deposited around dense GaAs nanowires by metalorganic vapor phase epitaxy. <i>CrystEngComm</i> , 2015, 17, 5998-6005.	2.6	9
11	Interwire coupling for I probed by surface transport. <i>Physical Review B</i> , 2015, 92, .		
12	Subsurface Imaging of Coupled Carrier Transport in GaAs/AlGaAs Core-Shell Nanowires. <i>Nano Letters</i> , 2015, 15, 75-79.	9.1	8
13	Built-in elastic strain and localization effects on GaAs luminescence of MOVPE-grown GaAs-AlGaAs core-shell nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 874-877.	2.4	7
14	1D ballistic transport channel probed by invasive and non-invasive contacts. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	5
15	Space charge layer effects in silicon studied by in situ surface transport. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 214001.	1.8	5
16	Surface-mediated electrical transport in single GaAs nanowires. , 2015, , .		2
17	Shape, Size Evolution, and Nucleation Mechanisms of GaAs Nanoislands Grown on (111)Si by Low-Temperature Metal-Organic Vapor-Phase Epitaxy. <i>Crystal Growth and Design</i> , 2019, 19, 5523-5530.	3.0	2
18	On the Luminescence of VLS-grown GaAs-AlGaAs Core-Shell Nanowires and its Dependence on MOVPE Growth Conditions. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1206, 113601.	0.1	0

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19	Microstructural characterization of GaAs-Al _x Ga _{1-x} As core-shell nanowires grown by Au-catalyst assisted MOVPE. Materials Research Society Symposia Proceedings, 2011, 1350, 1.	0.1	0
20	Morphology and microstructure of core-shell GaAs/Ga _x Al _{1-x} As nanowires investigated by He-ion microscopy and X-ray reciprocal space mapping. Materials Research Society Symposia Proceedings, 2014, 1707, 61.	0.1	0
21	GaAs-AlGaAs core-shell nanowire arrays: correlating MOVPE growth and luminescence properties. , 2014, , .		0
22	On Absorption Properties of GaAs/AlGaAs Nanowire Arrays. , 2010, , .		0