Julia Winnerl

List of Publications by Year
in descending order

12	347	1163117 8	1281871 11
papers	citations	h-index	g-index

12	12	12	738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lasing from individual GaAs-AlGaAs core-shell nanowires up to room temperature. Nature Communications, 2013, 4, 2931.	12.8	207
2	Strain-Induced Band Gap Engineering in Selectively Grown GaNâ€“(Al,Ga)N Coreâ€“Shell Nanowire Heterostructures. Nano Letters, 2016, 16, 7098-7106.	9.1	41
3	Selectively grown GaN nanowalls and nanogrids for photocatalysis: growth and optical properties. Nanoscale, 2019, 11, 4578-4584.	5.6	19
4	Quantum Transport and Sub-Band Structure of Modulation-Doped GaAs/AlAs Coreâ€“Superlattice Nanowires. Nano Letters, 2017, 17, 4886-4893.	9.1	18
5	Suppression of alloy fluctuations in GaAs-AlGaAs core-shell nanowires. Applied Physics Letters, 2016, 109, .	3.3	17
6	Microscopic nature of crystal phase quantum dots in ultrathin GaAs nanowires by nanoscale luminescence characterization. New Journal of Physics, 2016, 18, 063009.	2.9	12
7	Optical design of GaN nanowire arrays for photocatalytic applications. Journal of Applied Physics, 2018, 123, 203104.	2.5	11
8	Photo-induced selective etching of GaN nanowires in water. Nanoscale, 2019, 11, 7967-7975.	5.6	9
9	A systematic investigation of radiative recombination in GaN nanowires: The influence of nanowire geometry and environmental conditions. Journal of Applied Physics, 2018, 124, 035704.	2.5	5
10	GaN nanowire arrays for photocatalytic applications II: influence of a dielectric shell and liquid environments. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	4
11	Nanoscale mapping of carrier recombination in GaAs/AlGaAs core-multishell nanowires by cathodoluminescence imaging in a scanning transmission electron microscope. Applied Physics Letters, 2019, 115, 243102.	3.3	4
12	Nanometer-scale Resolved Cathodoluminescence Imaging: New Insights into GaAs/AlGaAs Core-shell Nanowire Lasers. Microscopy and Microanalysis, 2017, 23, 1470-1471.	0.4	0