

# Julia Winnerl

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

347  
citations

1163117

8  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

738  
citing authors

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