

# Jessica Bolinsson

## List of Publications by Year in descending order

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30  
papers

1,667  
citations

361413

20  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of III-V nanowire crystal structure by growth parameter tuning. Semiconductor Science and Technology, 2010, 25, 024009.	2.0	219
2	Au-Free Epitaxial Growth of InAs Nanowires. Nano Letters, 2006, 6, 1817-1821.	9.1	207
3	Crystal Phases in III-V Nanowires: From Random Toward Engineered Polytypism. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 829-846.	2.9	156
4	Effects of Supersaturation on the Crystal Structure of Gold Seeded III-V Nanowires. Crystal Growth and Design, 2009, 9, 766-773.	3.0	147
5	Diameter Dependence of the Wurtzite-Zinc Blende Transition in InAs Nanowires. Journal of Physical Chemistry C, 2010, 114, 3837-3842.	3.1	129
6	Controlling the Abruptness of Axial Heterojunctions in III-V Nanowires: Beyond the Reservoir Effect. Nano Letters, 2012, 12, 3200-3206.	9.1	121
7	Thermal conductivity of indium arsenide nanowires with wurtzite and zinc blende phases. Physical Review B, 2011, 83, .	3.2	96
8	Combinatorial Approaches to Understanding Polytypism in III-V Nanowires. ACS Nano, 2012, 6, 6142-6149.	14.6	59
9	GaAs/AlGaAs Nanowire Heterostructures Studied by Scanning Tunneling Microscopy. Nano Letters, 2007, 7, 2859-2864.	9.1	53
10	Towards a Better Prediction of Cell Settling on Nanostructure Arrays—Simple Means to Complicated Ends. Advanced Functional Materials, 2015, 25, 3246-3255.	14.9	52
11	Wurtzite-zincblende superlattices in InAs nanowires using a supply interruption method. Nanotechnology, 2011, 22, 265606.	2.6	46
12	A comparative study of the effect of gold seed particle preparation method on nanowire growth. Nano Research, 2010, 3, 506-519.	10.4	43
13	Parameter space mapping of InAs nanowire crystal structure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 04D103.	1.2	43
14	GaAs/AlGaAs heterostructure nanowires studied by cathodoluminescence. Nano Research, 2014, 7, 473-490.	10.4	34
15	Determination of diffusion lengths in nanowires using cathodoluminescence. Applied Physics Letters, 2010, 97, .	3.3	33
16	Silver as Seed-Particle Material for GaAs Nanowires—Dictating Crystal Phase and Growth Direction by Substrate Orientation. Nano Letters, 2016, 16, 2181-2188.	9.1	33
17	The influence of lysine on InP(001) surface ordering and nanowire growth. Nanotechnology, 2005, 16, 2354-2359.	2.6	32
18	Nanowire-Aperture Probe: Local Enhanced Fluorescence Detection for the Investigation of Live Cells at the Nanoscale. ACS Photonics, 2016, 3, 1208-1216.	6.6	26

#	ARTICLE	IF	CITATIONS
19	Diffusion length measurements in axial and radial heterostructured nanowires using cathodoluminescence. <i>Journal of Crystal Growth</i> , 2011, 315, 138-142.	1.5	24
20	Au wetting and nanoparticle stability on GaAs(111)B. <i>Applied Physics Letters</i> , 2006, 89, 251912.	3.3	20
21	Experimental assessment of micromechanical models for fragmentation analysis of thin metal oxide coatings on polymer films under uniaxial tensile deformation. <i>Surface and Coatings Technology</i> , 2019, 370, 374-383.	4.8	20
22	Effects of growth conditions on the crystal structure of gold-seeded GaP nanowires. <i>Journal of Crystal Growth</i> , 2008, 310, 5102-5105.	1.5	15
23	Click Chemistry Mediated Functionalization of Vertical Nanowires for Biological Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 496-500.	3.3	13
24	Annealing of Au, Ag and Au-Ag alloy nanoparticle arrays on GaAs (100) and (111)B. <i>Nanotechnology</i> , 2017, 28, 205702.	2.6	11
25	Direct observation of atomic scale surface relaxation in ortho twin structures in GaAs by XSTM. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 055404.	1.8	9
26	A cathodoluminescence study of the influence of the seed particle preparation method on the optical properties of GaAs nanowires. <i>Nanotechnology</i> , 2012, 23, 265704.	2.6	7
27	Micro-Raman spectroscopy for the detection of stacking fault density in InAs and GaAs nanowires. <i>Physical Review B</i> , 2017, 96, .	3.2	6
28	Transverse ridge cracking in tensile fragmentation tests of thin brittle coatings on polymer substrates. <i>Surface and Coatings Technology</i> , 2020, 382, 125025.	4.8	6
29	Understanding GaAs Nanowire Growth in the Ag-Au Seed Materials System. <i>Crystal Growth and Design</i> , 2018, 18, 6702-6712.	3.0	5
30	GaAs-based Nanowires Studied by Low-Temperature Cathodoluminescence. <i>Journal of Physics: Conference Series</i> , 2011, 326, 012042.	0.4	2