

# Jessica Bolinsson

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Understanding GaAs Nanowire Growth in the Ag–Au Seed Materials System. <i>Crystal Growth and Design</i> , 2018, 18, 6702-6712.	3.0	5
4	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
5	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
6	Click Chemistry Mediated Functionalization of Vertical Nanowires for Biological Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 496-500.	3.3	13
7	Nanowire-Aperture Probe: Local Enhanced Fluorescence Detection for the Investigation of Live Cells at the Nanoscale. <i>ACS Photonics</i> , 2016, 3, 1208-1216.	6.6	26
8	Silver as Seed-Particle Material for GaAs Nanowires – Dictating Crystal Phase and Growth Direction by Substrate Orientation. <i>Nano Letters</i> , 2016, 16, 2181-2188.	9.1	33
9	Towards a Better Prediction of Cell Settling on Nanostructure Arrays – Simple Means to Complicated Ends. <i>Advanced Functional Materials</i> , 2015, 25, 3246-3255.	14.9	52
10	GaAs/AlGaAs heterostructure nanowires studied by cathodoluminescence. <i>Nano Research</i> , 2014, 7, 473-490.	10.4	34
11	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
12	Controlling the Abruptness of Axial Heterojunctions in III–V Nanowires: Beyond the Reservoir Effect. <i>Nano Letters</i> , 2012, 12, 3200-3206.	9.1	121
13	Combinatorial Approaches to Understanding Polytypism in III–V Nanowires. <i>ACS Nano</i> , 2012, 6, 6142-6149.	14.6	59
14	Thermal conductivity of indium arsenide nanowires with wurtzite and zinc blende phases. <i>Physical Review B</i> , 2011, 83, .	3.2	96
15	GaAs-based Nanowires Studied by Low-Temperature Cathodoluminescence. <i>Journal of Physics: Conference Series</i> , 2011, 326, 012042.	0.4	2
16	Crystal Phases in III–V Nanowires: From Random Toward Engineered Polytypism. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 829-846.	2.9	156
17	Diffusion length measurements in axial and radial heterostructured nanowires using cathodoluminescence. <i>Journal of Crystal Growth</i> , 2011, 315, 138-142.	1.5	24
18	Wurtzite–zincblende superlattices in InAs nanowires using a supply interruption method. <i>Nanotechnology</i> , 2011, 22, 265606.	2.6	46

#	ARTICLE	IF	CITATIONS
19	Parameter space mapping of InAs nanowire crystal structure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 04D103.	1.2	43
20	A comparative study of the effect of gold seed particle preparation method on nanowire growth. Nano Research, 2010, 3, 506-519.	10.4	43
21	Control of III-V nanowire crystal structure by growth parameter tuning. Semiconductor Science and Technology, 2010, 25, 024009.	2.0	219
22	Determination of diffusion lengths in nanowires using cathodoluminescence. Applied Physics Letters, 2010, 97, .	3.3	33
23	Diameter Dependence of the Wurtzite-Zinc Blende Transition in InAs Nanowires. Journal of Physical Chemistry C, 2010, 114, 3837-3842.	3.1	129
24	Direct observation of atomic scale surface relaxation in ortho twin structures in GaAs by XSTM. Journal of Physics Condensed Matter, 2009, 21, 055404.	1.8	9
25	Effects of Supersaturation on the Crystal Structure of Gold Seeded III-V Nanowires. Crystal Growth and Design, 2009, 9, 766-773.	3.0	147
26	Effects of growth conditions on the crystal structure of gold-seeded GaP nanowires. Journal of Crystal Growth, 2008, 310, 5102-5105.	1.5	15
27	GaAs/AlGaAs Nanowire Heterostructures Studied by Scanning Tunneling Microscopy. Nano Letters, 2007, 7, 2859-2864.	9.1	53
28	Au-Free Epitaxial Growth of InAs Nanowires. Nano Letters, 2006, 6, 1817-1821.	9.1	207
29	Au wetting and nanoparticle stability on GaAs(111)B. Applied Physics Letters, 2006, 89, 251912.	3.3	20
30	The influence of lysine on InP(001) surface ordering and nanowire growth. Nanotechnology, 2005, 16, 2354-2359.	2.6	32