

# Elaine D Haberer

## List of Publications by Citations

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29  
papers

731  
citations

12  
h-index

27  
g-index

32  
ext. papers

815  
ext. citations

5.5  
avg, IF

3.41  
L-index

#	Paper	IF	Citations
29	Room-temperature continuous-wave lasing in GaN/InGaN microdisks. <i>Nature Photonics</i> , <b>2007</b> , 1, 61-64	33.9	234
28	Free-standing, optically pumped, GaN/InGaN microdisk lasers fabricated by photoelectrochemical etching. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5179-5181	3.4	74
27	GaN blue photonic crystal membrane nanocavities. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 243101	3.4	66
26	Vertically oriented GaN-based air-gap distributed Bragg reflector structure fabricated using band-gap-selective photoelectrochemical etching. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 051107	3.4	52
25	Visible resonant modes in GaN-based photonic crystal membrane cavities. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 031111	3.4	42
24	Removal of thick (>100nm) InGaN layers for optical devices using band-gap-selective photoelectrochemical etching. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 762-764	3.4	41
23	Cl <sub>2</sub> reactive ion etching for gate recessing of AlGaIn/GaN field-effect transistors. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1999</b> , 17, 2755		35
22	Highly sensitive hydrogen sulfide (H <sub>2</sub> S) gas sensors from viral-templated nanocrystalline gold nanowires. <i>Nanotechnology</i> , <b>2014</b> , 25, 135205	3.4	32
21	Channeling as a mechanism for dry etch damage in GaN. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3941-3943	3.4	24
20	Viral-templated gold/polypyrrole nanopeapods for an ammonia gas sensor. <i>Nanotechnology</i> , <b>2016</b> , 27, 325502	3.4	18
19	Phage-directed synthesis of copper sulfide: structural and optical characterization. <i>Nanotechnology</i> , <b>2013</b> , 24, 325602	3.4	13
18	Enhanced diffusion as a mechanism for ion-induced damage propagation in GaN. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 603		13
17	Chemiresistive hydrogen gas sensors from gold-palladium nanopeapods. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 223102	3.4	12
16	Gold-Decorated M13 I-Forms and S-Forms for Targeted Photothermal Lysis of Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 126-134	9.5	12
15	M13 bacteriophage spheroids as scaffolds for directed synthesis of spiky gold nanostructures. <i>Nanoscale</i> , <b>2018</b> , 10, 13055-13063	7.7	12
14	Whispering gallery mode emission from dye-doped polymer fiber cross-sections fabricated by near-field electrospinning. <i>Nanoscale</i> , <b>2020</b> , 12, 9873-9883	7.7	10
13	Observation of high Q resonant modes in optically pumped GaN/InGaN microdisks fabricated using photoelectrochemical etching. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 2845-2848		10

12	Enhanced photogenerated carrier collection in hybrid films of bio-templated gold nanowires and nanocrystalline CdSe. <i>Nanotechnology</i> , <b>2009</b> , 20, 415206	3.4	9
11	Sensitive ammonia gas sensors fabricated using biologically assembled copper sulfide. <i>Applied Physics Express</i> , <b>2014</b> , 7, 117002	2.4	6
10	Effects of 8-mer acidic peptide concentration on the morphology and photoluminescence of synthesized ZnO nanomaterials. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 121, 757-763	2.6	4
9	Optical and electrical stability of viral-templated copper sulfide (Cu <sub>1.8</sub> S) films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 144311	2.5	4
8	Viral-assisted assembly and photoelectric response of individual Au/CdSe core-shell nanowires. <i>Materials Letters</i> , <b>2012</b> , 89, 347-350	3.3	4
7	Toward a chemiresistive ammonia (NH <sub>3</sub> ) gas sensor based on viral-templated gold nanoparticles embedded in polypyrrole nanowires <b>2014</b> ,		2
6	Mineralization and optical characterization of copper oxide nanoparticles using a high aspect ratio bio-temple. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 154308	2.5	1
5	Near-field electrospinning of polymer/phage whispering gallery mode microfiber resonators for label-free biosensing. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 367, 132062	8.5	1
4	Bifunctional M13 Bacteriophage Nanospheroids for the Synthesis of Hybrid Noncentrosymmetric Nanoparticles. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 10668-10677	5.6	0
3	Facile Assembly of ZnO Nanoparticles Based on M13 Bacteriophage. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1461, 1		
2	M13 Bacteriophage-Assisted Biomineralization of Copper Sulfide. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1445, 13		
1	Optical properties of GaN Photonic Crystal Membrane Nanocavities at Blue Wavelengths. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 892, 442		