

# Elaine D Haberer

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

863  
citations

623574

14  
h-index

552653

26  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature continuous-wave lasing in GaN/InGaN microdisks. <i>Nature Photonics</i> , 2007, 1, 61-64.	15.6	270
2	GaN blue photonic crystal membrane nanocavities. <i>Applied Physics Letters</i> , 2005, 87, 243101.	1.5	80
3	Free-standing, optically pumped, GaN/InGaN microdisk lasers fabricated by photoelectrochemical etching. <i>Applied Physics Letters</i> , 2004, 85, 5179-5181.	1.5	78
4	Vertically oriented GaN-based air-gap distributed Bragg reflector structure fabricated using band-gap-selective photoelectrochemical etching. <i>Applied Physics Letters</i> , 2005, 87, 051107.	1.5	59
5	Removal of thick (> 100nm) InGaN layers for optical devices using band-gap-selective photoelectrochemical etching. <i>Applied Physics Letters</i> , 2004, 85, 762-764.	1.5	48
6	Visible resonant modes in GaN-based photonic crystal membrane cavities. <i>Applied Physics Letters</i> , 2006, 88, 031111.	1.5	48
7	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> , 1999, 17, 2755.	1.6	39
8	Highly sensitive hydrogen sulfide (H <sub>2</sub> S) gas sensors from viral-templated nanocrystalline gold nanowires. <i>Nanotechnology</i> , 2014, 25, 135205.	1.3	38
9	Channeling as a mechanism for dry etch damage in GaN. <i>Applied Physics Letters</i> , 2000, 76, 3941-3943.	1.5	30
10	Viral-templated gold/polypyrrole nanopeapods for an ammonia gas sensor. <i>Nanotechnology</i> , 2016, 27, 325502.	1.3	20
11	Gold-Decorated M13 I-Forms and S-Forms for Targeted Photothermal Lysis of Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 126-134.	4.0	19
12	M13 bacteriophage spheroids as scaffolds for directed synthesis of spiky gold nanostructures. <i>Nanoscale</i> , 2018, 10, 13055-13063.	2.8	16
13	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> , 2001, 19, 603.	1.6	15
14	Phage-directed synthesis of copper sulfide: structural and optical characterization. <i>Nanotechnology</i> , 2013, 24, 325602.	1.3	15
15	Whispering gallery mode emission from dye-doped polymer fiber cross-sections fabricated by near-field electrospinning. <i>Nanoscale</i> , 2020, 12, 9873-9883.	2.8	15
16	Chemiresistive hydrogen gas sensors from gold-palladium nanopeapods. <i>Applied Physics Letters</i> , 2014, 105, 223102.	1.5	12
17	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> , 2005, 2, 2845-2848.	0.8	11
18	Enhanced photogenerated carrier collection in hybrid films of bio-templated gold nanowires and nanocrystalline CdSe. <i>Nanotechnology</i> , 2009, 20, 415206.	1.3	10

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19	Near-field electrospinning of polymer/phage whispering gallery mode microfiber resonators for label-free biosensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132062.	4.0	8
20	Sensitive ammonia gas sensors fabricated using biologically assembled copper sulfide. <i>Applied Physics Express</i> , 2014, 7, 117002.	1.1	6
21	Optical and electrical stability of viral-templated copper sulfide (Cu <sub>1.8</sub> S) films. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	6
22	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> , 2015, 121, 757-763.	1.1	6
23	Viral-assisted assembly and photoelectric response of individual Au/CdSe core-shell nanowires. <i>Materials Letters</i> , 2012, 89, 347-350.	1.3	5
24	Mineralization and optical characterization of copper oxide nanoparticles using a high aspect ratio bio-templete. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	3
25	Toward a chemiresistive ammonia (NH <sub>3</sub> ) gas sensor based on viral-templated gold nanoparticles embedded in polypyrrole nanowires. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
26	Bifunctional M13 Bacteriophage Nanospheroids for the Synthesis of Hybrid Noncentrosymmetric Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020, 3, 10668-10677.	2.4	2
27	Morphology manipulation of M13 bacteriophage template for nanostructure assembly. , 2014, , .		1
28	Optical properties of GaN Photonic Crystal Membrane Nanocavities at Blue Wavelengths. <i>Materials Research Society Symposia Proceedings</i> , 2005, 892, 442.	0.1	0
29	Optical properties of GaN Photonic Crystal Membrane Nanocavities. , 0, , .		0
30	Facile Assembly of ZnO Nanoparticles Based on M13 Bacteriophage. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1461, 1.	0.1	0
31	M13 Bacteriophage-Assisted Biomineralization of Copper Sulfide. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1445, 13.	0.1	0
32	Viral-templated nanocrystalline Pd nanowires for chemiresistive hydrogen (H <sub>2</sub> ) sensors. , 2014, , .		0