Elaine D Haberer

List of Publications by Year in Descending Order

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	Near-field electrospinning of polymer/phage whispering gallery mode microfiber resonators for label-free biosensing. *Sensors and Actuators B: Chemical*, **2022**, 367, 132062	8.5	1
28	Bifunctional M13 Bacteriophage Nanospheroids for the Synthesis of Hybrid Noncentrosymmetric Nanoparticles. *ACS Applied Nano Materials*, **2020**, 3, 10668-10677	5.6	0
27	Whispering gallery mode emission from dye-doped polymer fiber cross-sections fabricated by near-field electrospinning. *Nanoscale*, **2020**, 12, 9873-9883	7.7	10
26	Gold-Decorated M13 I-Forms and S-Forms for Targeted Photothermal Lysis of Bacteria. *ACS Applied Materials & Interfaces*, **2020**, 12, 126-134	9.5	12
25	M13 bacteriophage spheroids as scaffolds for directed synthesis of spiky gold nanostructures. *Nanoscale*, **2018**, 10, 13055-13063	7.7	12
24	Viral-templated gold/polypyrrole nanopeapods for an ammonia gas sensor. *Nanotechnology*, **2016**, 27, 325502	3.4	18
23	Effects of 8-mer acidic peptide concentration on the morphology and photoluminescence of synthesized ZnO nanomaterials. *Applied Physics A: Materials Science and Processing*, **2015**, 121, 757-763	2.6	4
22	Highly sensitive hydrogen sulfide (H_2S) gas sensors from viral-templated nanocrystalline gold nanowires. *Nanotechnology*, **2014**, 25, 135205	3.4	32
21	Sensitive ammonia gas sensors fabricated using biologically assembled copper sulfide. *Applied Physics Express*, **2014**, 7, 117002	2.4	6
20	Chemiresistive hydrogen gas sensors from gold-palladium nanopeapods. *Applied Physics Letters*, **2014**, 105, 223102	3.4	12
19	Mineralization and optical characterization of copper oxide nanoparticles using a high aspect ratio bio-template. *Journal of Applied Physics*, **2014**, 116, 154308	2.5	1
18	Toward a chemiresistive ammonia (NH3) gas sensor based on viral-templated gold nanoparticles embedded in polypyrrole nanowires **2014**,		2
17	Optical and electrical stability of viral-templated copper sulfide (Cu1.8S) films. *Journal of Applied Physics*, **2014**, 115, 144311	2.5	4
16	Phage-directed synthesis of copper sulfide: structural and optical characterization. *Nanotechnology*, **2013**, 24, 325602	3.4	13
15	Viral-assisted assembly and photoelectric response of individual Au/CdSe core–shell nanowires. *Materials Letters*, **2012**, 89, 347-350	3.3	4
14	Facile Assembly of ZnO Nanoparticles Based on M13 Bacteriophage. *Materials Research Society Symposia Proceedings*, **2012**, 1461, 1		
13	M13 Bacteriophage-Assisted Biomineralization of Copper Sulfide. *Materials Research Society Symposia Proceedings*, **2012**, 1445, 13		

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12	Enhanced photogenerated carrier collection in hybrid films of bio-templated gold nanowires and nanocrystalline CdSe. *Nanotechnology*, **2009**, 20, 415206	3.4	9
11	Room-temperature continuous-wave lasing in GaN/InGaN microdisks. *Nature Photonics*, **2007**, 1, 61-64	33.9	234
10	Visible resonant modes in GaN-based photonic crystal membrane cavities. *Applied Physics Letters*, **2006**, 88, 031111	3.4	42
9	Vertically oriented GaN-based air-gap distributed Bragg reflector structure fabricated using band-gap-selective photoelectrochemical etching. *Applied Physics Letters*, **2005**, 87, 051107	3.4	52
8	Observation of high Q resonant modes in optically pumped GaN/InGaN microdisks fabricated using photoelectrochemical etching. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2005**, 2, 2845-2848		10
7	Optical properties of GaN Photonic Crystal Membrane Nanocavities at Blue Wavelengths. *Materials Research Society Symposia Proceedings*, **2005**, 892, 442		
6	GaN blue photonic crystal membrane nanocavities. *Applied Physics Letters*, **2005**, 87, 243101	3.4	66
5	Free-standing, optically pumped, GaN/InGaN microdisk lasers fabricated by photoelectrochemical etching. *Applied Physics Letters*, **2004**, 85, 5179-5181	3.4	74
4	Removal of thick (>100nm) InGaN layers for optical devices using band-gap-selective photoelectrochemical etching. *Applied Physics Letters*, **2004**, 85, 762-764	3.4	41
3	Enhanced diffusion as a mechanism for ion-induced damage propagation in GaN. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2001**, 19, 603		13
2	Channeling as a mechanism for dry etch damage in GaN. *Applied Physics Letters*, **2000**, 76, 3941-3943	3.4	24
1	Cl2 reactive ion etching for gate recessing of AlGaN/GaN field-effect transistors. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1999**, 17, 2755		35