

# Evelyn L Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,594  
citations

257450

24  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and strain stabilization of point defects in silicon carbide. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	5
2	Enhanced cavity coupling to silicon vacancies in 4H silicon carbide using laser irradiation and thermal annealing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2021768118.	7.1	16
3	Magnetic Field Fingerprinting of Integrated-Circuit Activity with a Quantum Diamond Microscope. <i>Physical Review Applied</i> , 2020, 14, .	3.8	37
4	Purcell Enhancement of a Single Silicon Carbide Color Center with Coherent Spin Control. <i>Nano Letters</i> , 2020, 20, 3427-3434.	9.1	79
5	Ultralow threshold blue quantum dot lasers: what's the true recipe for success?. <i>Nanophotonics</i> , 2020, 10, 23-29.	6.0	4
6	Phononic Band Structure Engineering for High-Q Gigahertz Surface Acoustic Wave Resonators on Lithium Niobate. <i>Physical Review Applied</i> , 2019, 12, .	3.8	70
7	Excitation of Strong Localized Surface Plasmon Resonances in Highly Metallic Titanium Nitride Nano-Antennas for Stable Performance at Elevated Temperatures. <i>ACS Applied Nano Materials</i> , 2019, 2, 3444-3452.	5.0	27
8	A comparison of inverted and upright laser-activated titanium nitride micropylramids for intracellular delivery. <i>Scientific Reports</i> , 2018, 8, 15595.	3.3	10
9	Energetics and kinetics of vacancy defects in 4H -SiC. <i>Physical Review B</i> , 2018, 98, .	3.2	26
10	Ultra-low-threshold InGaN/GaN quantum dot micro-ring lasers. <i>Optics Letters</i> , 2018, 43, 799.	3.3	31
11	Continuous-Wave Optically Pumped 1.55 $\mu$ m InAs/InAlGaAs Quantum Dot Microdisk Lasers Epitaxially Grown on Silicon. <i>ACS Photonics</i> , 2017, 4, 204-210.	6.6	56
12	1.55 $\mu$ m room-temperature lasing from subwavelength quantum-dot microdisks directly grown on (001) Si. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	50
13	Selective Purcell enhancement of two closely linked zero-phonon transitions of a silicon carbide color center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4060-4065.	7.1	79
14	Room Temperature 1.55 $\mu$ m Lasing of Sub-wavelength Quantum-dot Lasers Epitaxially Grown on (001) Silicon. , 2017, , .		0
15	Optically pumped 1.55 $\mu$ m room-temperature InAs quantum-dot micro-disk lasers directly grown on (001) silicon. <i>Optics Letters</i> , 2016, 41, 1664.	3.3	101
16	Nonlinear Refractory Plasmonics with Titanium Nitride Nanoantennas. <i>Nano Letters</i> , 2016, 16, 5708-5713.	9.1	115
17	Effect of Threading Dislocations on the Quality Factor of InGaN/GaN Microdisk Cavities. <i>ACS Photonics</i> , 2015, 2, 137-143.	6.6	32
18	Reduced Plasma-Induced Damage to Near-Surface Nitrogen-Vacancy Centers in Diamond. <i>Nano Letters</i> , 2015, 15, 2887-2891.	9.1	30

#	ARTICLE	IF	CITATIONS
19	Hybrid Plasmonic Photonic Crystal Cavity for Enhancing Emission from near-Surface Nitrogen Vacancy Centers in Diamond. ACS Photonics, 2015, 2, 465-469.	6.6	21
20	Ultra-low threshold gallium nitride photonic crystal nanobeam laser. Applied Physics Letters, 2015, 106, .	3.3	25
21	Fabrication of High-Q Nanobeam Photonic Crystals in Epitaxially Grown 4H-SiC. Nano Letters, 2015, 15, 6202-6207.	9.1	55
22	Constrained, aqueous growth of three-dimensional single crystalline zinc oxide structures. APL Materials, 2014, 2, 012111.	5.1	3
23	High quality SiC microdisk resonators fabricated from monolithic epilayer wafers. Applied Physics Letters, 2014, 104, 051109.	3.3	50
24	Deterministic coupling of delta-doped nitrogen vacancy centers to a nanobeam photonic crystal cavity. Applied Physics Letters, 2014, 105, .	3.3	68
25	Synthesis of luminescent europium defects in diamond. Nature Communications, 2014, 5, 3523.	12.8	68
26	Hot photoluminescence or Raman scattering?. Nature Photonics, 2014, 8, 666-666.	31.4	2
27	Distinctive signature of indium gallium nitride quantum dot lasing in microdisk cavities. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14042-14046.	7.1	38
28	Bottom-up engineering of diamond micro- and nano-structures. Laser and Photonics Reviews, 2013, 7, L61.	8.7	39
29	Aqueous Epitaxial Growth of ZnO on Single Crystalline Au Microplates. Crystal Growth and Design, 2013, 13, 986-991.	3.0	10
30	Low threshold, room-temperature microdisk lasers in the blue spectral range. Applied Physics Letters, 2013, 103, .	3.3	62
31	A full free spectral range tuning of p-i-n doped gallium nitride microdisk cavity. Applied Physics Letters, 2012, 101, .	3.3	11
32	Controlled tuning of whispering gallery modes of GaN/InGaN microdisk cavities. Applied Physics Letters, 2011, 99, .	3.3	16
33	Fabrication of thin, luminescent, single-crystal diamond membranes. Applied Physics Letters, 2011, 99, 081913.	3.3	53
34	Ambient pressure, low-temperature synthesis and characterization of colloidal InN nanocrystals. Journal of Materials Chemistry, 2010, 20, 1435.	6.7	35
35	Room-temperature continuous-wave lasing in GaN/InGaN microdisks. Nature Photonics, 2007, 1, 61-64.	31.4	270