Evelyn L Hu

List of Publications by Year
in descending order

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	Room-temperature continuous-wave lasing in GaN/InGaN microdisks. Nature Photonics, 2007, 1, 61-64.	31.4	270
2	Nonlinear Refractory Plasmonics with Titanium Nitride Nanoantennas. Nano Letters, 2016, 16, 5708-5713.	9.1	115
3	Optically pumped 13â€‰â€‰Î¼m room-temperature InAs quantum-dot micro-disk lasers directly grown on (001) silicon. Optics Letters, 2016, 41, 1664.	3.3	101
4	Selective Purcell enhancement of two closely linked zero-phonon transitions of a silicon carbide color center. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4060-4065.	7.1	79
5	Purcell Enhancement of a Single Silicon Carbide Color Center with Coherent Spin Control. Nano Letters, 2020, 20, 3427-3434.	9.1	79
6	Phononic Band Structure Engineering for High- Q Gigahertz Surface Acoustic Wave Resonators on Lithium Niobate. Physical Review Applied, 2019, 12, .	3.8	70
7	Deterministic coupling of delta-doped nitrogen vacancy centers to a nanobeam photonic crystal cavity. Applied Physics Letters, 2014, 105, .	3.3	68
8	Synthesis of luminescent europium defects in diamond. Nature Communications, 2014, 5, 3523.	12.8	68
9	Low threshold, room-temperature microdisk lasers in the blue spectral range. Applied Physics Letters, 2013, 103, .	3.3	62
10	Continuous-Wave Optically Pumped 1.55 Î¼m InAs/InAlGaAs Quantum Dot Microdisk Lasers Epitaxially Grown on Silicon. ACS Photonics, 2017, 4, 204-210.	6.6	56
11	Fabrication of High-Q Nanobeam Photonic Crystals in Epitaxially Grown 4H-SiC. Nano Letters, 2015, 15, 6202-6207.	9.1	55
12	Fabrication of thin, luminescent, single-crystal diamond membranes. Applied Physics Letters, 2011, 99, 081913.	3.3	53
13	High quality SiC microdisk resonators fabricated from monolithic epilayer wafers. Applied Physics Letters, 2014, 104, 051109.	3.3	50
14	1.55â€‰Î¼m room-temperature lasing from subwavelength quantum-dot microdisks directly grown on (001) Si. Applied Physics Letters, 2017, 110, .	3.3	50
15	Bottomâ€up engineering of diamond microâ€and nanoâ€structures. Laser and Photonics Reviews, 2013, 7, L61.	8.7	39
16	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
17	Magnetic Field Fingerprinting of Integrated-Circuit Activity with a Quantum Diamond Microscope. Physical Review Applied, 2020, 14, .	3.8	37
18	Ambient pressure, low-temperature synthesis and characterization of colloidal InN nanocrystals. Journal of Materials Chemistry, 2010, 20, 1435.	6.7	35

#	Article	IF	Citations
19	Effect of Threading Dislocations on the Quality Factor of InGaN/GaN Microdisk Cavities. ACS Photonics, 2015, 2, 137-143.	6.6	32
20	Ultra-low-threshold InGaN/GaN quantum dot micro-ring lasers. Optics Letters, 2018, 43, 799.	3.3	31
21	Reduced Plasma-Induced Damage to Near-Surface Nitrogen-Vacancy Centers in Diamond. Nano Letters, 2015, 15, 2887-2891.	9.1	30
22	Excitation of Strong Localized Surface Plasmon Resonances in Highly Metallic Titanium Nitride Nano-Antennas for Stable Performance at Elevated Temperatures. ACS Applied Nano Materials, 2019, 2, 3444-3452.	5.0	27
23	Energetics and kinetics of vacancy defects in 4H -SiC. Physical Review B, 2018, 98, .	3.2	26
24	Ultra-low threshold gallium nitride photonic crystal nanobeam laser. Applied Physics Letters, 2015, 106, .	3.3	25
25	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
26	Controlled tuning of whispering gallery modes of GaN/InGaN microdisk cavities. Applied Physics Letters, 2011, 99, .	3.3	16
27	Enhanced cavity coupling to silicon vacancies in 4H silicon carbide using laser irradiation and thermal annealing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2021768118.	7.1	16
28	A full free spectral range tuning of p-i-n doped gallium nitride microdisk cavity. Applied Physics Letters, 2012, 101, .	3.3	11
29	Aqueous Epitaxial Growth of ZnO on Single Crystalline Au Microplates. Crystal Growth and Design, 2013, 13, 986-991.	3.0	10
30	A comparison of inverted and upright laser-activated titanium nitride micropyramids for intracellular delivery. Scientific Reports, 2018, 8, 15595.	3.3	10
31	Optical and strain stabilization of point defects in silicon carbide. Applied Physics Letters, 2022, 120, .	3.3	5
32	Ultralow threshold blue quantum dot lasers: whatâ€™s the true recipe for success?. Nanophotonics, 2020, 10, 23-29.	6.0	4
33	Constrained, aqueous growth of three-dimensional single crystalline zinc oxide structures. APL Materials, 2014, 2, 012111.	5.1	3
34	Hot photoluminescence or Raman scattering?. Nature Photonics, 2014, 8, 666-666.	31.4	2
35	Room Temperature 1.55 pm Lasing of Sub-wavelength Quantum-dot Lasers Epitaxially Grown on (001) Silicon. , 2017, , .		0