

# David J Mowbray

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Observation and Modeling of a Room-Temperature Negative Characteristic Temperature 1.3- $\mu\text{m}$ p-Type Modulation-Doped Quantum-Dot Laser. IEEE Journal of Quantum Electronics, 2006, 42, 1259-1265.	1.9	43
2	Temperature-Dependent Gain and Threshold in P-Doped Quantum Dot Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1261-1266.	2.9	33
3	In situ annealing enhancement of the optical properties and laser device performance of InAs quantum dots grown on Si substrates. Optics Express, 2016, 24, 6196.	3.4	26
4	Light-Emitting GaAs Nanowires on a Flexible Substrate. Nano Letters, 2018, 18, 4206-4213.	9.1	26
5	Highly Strained III-V Coaxial Nanowire Quantum Wells with Strong Carrier Confinement. ACS Nano, 2019, 13, 5931-5938.	14.6	19
6	Self-Formed Quantum Wires and Dots in GaAs/GaAsP Core-Shell Nanowires. Nano Letters, 2019, 19, 4158-4165.	9.1	15
7	Defect-Free Axially Stacked GaAs/GaAsP Nanowire Quantum Dots with Strong Carrier Confinement. Nano Letters, 2021, 21, 5722-5729.	9.1	14
8	Silicon-Based Single Quantum Dot Emission in the Telecoms C-Band. ACS Photonics, 2017, 4, 1740-1746.	6.6	10
9	Dependence of the Electroluminescence on the Spacer Layer Growth Temperature of Multilayer Quantum-Dot Laser Structures. IEEE Journal of Quantum Electronics, 2009, 45, 79-85.	1.9	9
10	Self-Catalyzed AlGaAs Nanowires and AlGaAs/GaAs Nanowire-Quantum Dots on Si Substrates. Journal of Physical Chemistry C, 2021, 125, 14338-14347.	3.1	5
11	Long-Term Stability and Optoelectronic Performance Enhancement of InAsP Nanowires with an Ultrathin InP Passivation Layer. Nano Letters, 2022, 22, 3433-3439.	9.1	3
12	Inorganic Semiconductor Nanostructures. , 2005, , 130-202.		1
13	GROWTH AND CHARACTERIZATION OF MULTI-LAYER 1.3 $\mu\text{m}$ QUANTUM DOT LASERS. International Journal of Nanoscience, 2007, 06, 291-296.	0.7	1
14	Electroluminescence Studies of Modulation p-Doped Quantum Dot Laser Structures. IEEE Journal of Quantum Electronics, 2010, 46, 1847-1853.	1.9	1
15	Optical spectroscopy of InGaN-GaN quantum dot ensembles. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S586-S589.	0.8	0