# Dhruv Saxena

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7413715/publications.pdf

Version: 2024-02-01

| 24 | 1,236 | 567281 15 | 713466 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 1671 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Optical characterisation of nanowire lasers. Progress in Quantum Electronics, 2022, 85, 100408. | 7.0 | 8 |
| 2 | Self-organized lasers from reconfigurable colloidal assemblies. Nature Physics, 2022, 18, 939-944. | 16.7 | 29 |
| 3 | Biocompatible Polymer and Protein Microspheres with Inverse Photonic Glass Structure for Random Microâ€Biolasers. Advanced Photonics Research, 2021, 2, 2100036. | 3.6 | 8 |
| 4 | Biocompatible Polymer and Protein Microspheres with Inverse Photonic Glass Structure for Random Microâ€Biolasers. Advanced Photonics Research, 2021, 2, 2170025. | 3.6 | 0 |
| 5 | Flexible and tensile microporous polymer fibers for wavelength-tunable random lasing. Nanoscale, 2020, 12, 12357-12363. | 5.6 | 15 |
| 6 | Biolasing from Individual Cells in a Lowâ€Q Resonator Enables Spectral Fingerprinting. Advanced Optical Materials, 2020, 8, 1901573. | 7.3 | 19 |
| 7 | Toward electrically driven semiconductor nanowire lasers. Nanotechnology, 2019, 30, 192002. | 2.6 | 28 |
| 8 | Highly Strained IIIâ€“Vâ€“V Coaxial Nanowire Quantum Wells with Strong Carrier Confinement. ACS Nano, 2019, 13, 5931-5938. | 14.6 | 19 |
| 9 | A nanophotonic laser on a graph. Nature Communications, 2019, 10, 226. | 12.8 | 51 |
| 10 | Optical Study of p-Doping in GaAs Nanowires for Low-Threshold and High-Yield Lasing. Nano Letters, 2019, 19, 362-368. | 9.1 | 24 |
| 11 | Modal refractive index measurement in nanowire lasersâ€”a correlative approach. Nano Futures, 2018, 2, 035004. | 2.2 | 8 |
| 12 | Strong Amplified Spontaneous Emission from High Quality GaAs<sub>1â€“x</sub>Sb<sub>x</sub> Single Quantum Well Nanowires. Journal of Physical Chemistry C, 2017, 121, 8636-8644. | 3.1 | 15 |
| 13 | Large-Scale Statistics for Threshold Optimization of Optically Pumped Nanowire Lasers. Nano Letters, 2017, 17, 4860-4865. | 9.1 | 31 |
| 14 | Design and Room-Temperature Operation of GaAs/AlGaAs Multiple Quantum Well Nanowire Lasers. Nano Letters, 2016, 16, 5080-5086. | 9.1 | 80 |
| 15 | Doping-enhanced radiative efficiency enables lasing in unpassivated GaAs nanowires. Nature Communications, 2016, 7, 11927. | 12.8 | 68 |
| 16 | Semiconductor Nanowire Optoelectronic Devices. Semiconductors and Semimetals, 2016, 94, 1-15. | 0.7 | 4 |
| 17 | An Order of Magnitude Increase in the Quantum Efficiency of (Al)GaAs Nanowires Using Hybrid Photonicâ€“Plasmonic Modes. Nano Letters, 2015, 15, 307-312. | 9.1 | 19 |
| 18 | Mode Profiling of Semiconductor Nanowire Lasers. Nano Letters, 2015, 15, 5342-5348. | 9.1 | 73 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | III-V semiconductor nanowire lasers. , 2014, , . | | 1 |
| 20 | Selective-Area Epitaxy of Pure Wurtzite InP Nanowires: High Quantum Efficiency and Room-Temperature Lasing. Nano Letters, 2014, 14, 5206-5211. | 9.1 | 198 |
| 21 | Optically pumped room-temperature GaAs nanowire lasers. Nature Photonics, 2013, 7, 963-968. | 31.4 | 503 |
| 22 | III–V semiconductor nanowires for optoelectronic device applications. , 2013, , . | | 1 |
| 23 | Design Considerations for Semiconductor Nanowireâ€“Plasmonic Nanoparticle Coupled Systems for High Quantum Efficiency Nanowires. Small, 2013, 9, 3964-3969. | 10.0 | 7 |
| 24 | Polarization Tunable, Multicolor Emission from Coreâ€“Shell Photonic IIIâ€“V Semiconductor Nanowires. Nano Letters, 2012, 12, 6428-6431. | 9.1 | 27 |