

Chu-Hsiang Teng

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

393
citations

840776

11
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1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

483
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward scalable III-nitride quantum dot structures for quantum photonics. Semiconductors and Semimetals, 2020, , 1-27.	0.7	0
2	Mechanisms of inhomogeneous broadening in InGaN dot-in-wire structures. Journal of Applied Physics, 2019, 126, 083104.	2.5	6
3	Reducing inhomogeneity in the dynamic properties of quantum dots via self-aligned plasmonic cavities. Nanotechnology, 2018, 29, 015201.	2.6	0
4	Wavelength tunable InGaN/GaN nano-ring LEDs via nano-sphere lithography. Scientific Reports, 2017, 7, 42962.	3.3	34
5	Improving the Radiative Efficiency of InGaN Quantum Dots via an Open Top Cavity. ACS Photonics, 2017, 4, 795-799.	6.6	8
6	Monolithic integration of individually addressable light-emitting diode color pixels. Applied Physics Letters, 2017, 110, 111103.	3.3	50
7	Impact of carrier localization on recombination in InGaN quantum wells and the efficiency of nitride light-emitting diodes: Insights from theory and numerical simulations. Applied Physics Letters, 2017, 111, .	3.3	62
8	III-Nitride Semiconductor Single Photon Sources. Series in Optics and Optoelectronics, 2017, , 661-669.	0.0	0
9	Strain-induced red-green-blue wavelength tuning in InGaN quantum wells. Applied Physics Letters, 2016, 108, 071104.	3.3	36
10	Site-controlled InGaN/GaN single-photon-emitting diode. Applied Physics Letters, 2016, 108, .	3.3	24
11	Charge-tunable indium gallium nitride quantum dots. Physical Review B, 2016, 93, .	3.2	11
12	Ultrafast Spontaneous Emission Rate from an InGaN Quantum Dot Coupled to a Silver Plasmonic Cavity. , 2016, , .		0
13	Elliptical quantum dots as on-demand single photons sources with deterministic polarization states. Applied Physics Letters, 2015, 107, .	3.3	33
14	Plasmonic Enhancement of Single Photon Emission from a Site-Controlled Quantum Dot. ACS Photonics, 2015, 2, 1065-1070.	6.6	22
15	Monolithically integrated multi-color InGaN/GaN nanopillar light emitting diodes. , 2015, , .		1
16	Carrier dynamics in site- and structure-controlled InGaN/GaN quantum dots. Physical Review B, 2014, 90, .	3.2	23
17	How much better are InGaN/GaN nanodisks than quantum wellsâ€”Oscillator strength enhancement and changes in optical properties. Applied Physics Letters, 2014, 104, .	3.3	32
18	Electrically driven single-photon emission from site-controlled InGaN/GaN quantum dots. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Semiconductor Single-Photon Emitters with Tunable Polarization Output. , 2014, , .		1
20	Single photon emission from site-controlled InGaN/GaN quantum dots. Applied Physics Letters, 2013, 103, .	3.3	44
21	Single photon emission from site-controlled InGaN quantum dots up to 90 K. , 2013, , .		0
22	Site-controlled single photon emitters based on InGaN/GaN quantum dots. , 2012, , .		0
23	Fabrication of nanoscale zero-mode waveguides using microlithography for single molecule sensing. Nanotechnology, 2012, 23, 455301.	2.6	6