

Saeed Fathololoumi

List of Publications by Year in descending order

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30
papers

1,701
citations

516710

16
h-index

552781

26
g-index

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30
docs citations

30
times ranked

1841
citing authors

#	ARTICLE	IF	CITATIONS
1	1.6 Tbps Silicon Photonics Integrated Circuit and 800 Gbps Photonic Engine for Switch Co-Packaging Demonstration. <i>Journal of Lightwave Technology</i> , 2021, 39, 1155-1161.	4.6	89
2	1.6Tbps Silicon Photonics Integrated Circuit for Co-Packaged Optical-IO Switch Applications. , 2020, , .		42
3	Widely-tunable, narrow-linewidth III-V/silicon hybrid external-cavity laser for coherent communication. <i>Optics Express</i> , 2018, 26, 7920.	3.4	93
4	A Silicon Photonic Transceiver and Hybrid Tunable Laser for 64 Gbaud Coherent Communication. , 2018, , .		10
5	Silicon photonics transmitters and receivers for 4x25 Gb/s interconnects. , 2014, , .		2
6	Planar integrated metasurfaces for highly-collimated terahertz quantum cascade lasers. <i>Scientific Reports</i> , 2014, 4, 7083.	3.3	11
7	An indirectly pumped terahertz quantum cascade laser with low injection coupling strength operating above 150 K. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	28
8	Effect of oscillator strength and intermediate resonance on the performance of resonant phonon-based terahertz quantum cascade lasers. <i>Journal of Applied Physics</i> , 2013, 113, 113109.	2.5	38
9	Electronic temperatures of terahertz quantum cascade active regions with phonon scattering assisted injection and extraction scheme. <i>Optics Express</i> , 2013, 21, 10172.	3.4	8
10	On the efficiency droop of top-down etched InGaN/GaN nanorod light emitting diodes under optical pumping. <i>AIP Advances</i> , 2013, 3, .	1.3	13
11	Power-efficient III-V/Silicon external cavity DBR lasers. <i>Optics Express</i> , 2012, 20, 23456.	3.4	86
12	Terahertz quantum cascade lasers operating up to ~ 200 K with optimized oscillator strength and improved injection tunneling. <i>Optics Express</i> , 2012, 20, 3866.	3.4	493
13	Molecular beam epitaxial growth and characterization of catalyst-free InN/In _x Ga _{1-x} N core/shell nanowire heterostructures on Si(111) substrates. <i>Nanotechnology</i> , 2012, 23, 085205.	2.6	25
14	Large-Scale Cubic InN Nanocrystals by a Combined Solution- and Vapor-Phase Method under Silica Confinement. <i>Journal of the American Chemical Society</i> , 2012, 134, 780-783.	13.7	28
15	Observation of phonon sideband emission in intrinsic InN nanowires: a photoluminescence and micro-Raman scattering study. <i>Nanotechnology</i> , 2012, 23, 415706.	2.6	14
16	Tuning the Surface Charge Properties of Epitaxial InN Nanowires. <i>Nano Letters</i> , 2012, 12, 2877-2882.	9.1	96
17	Full-color InGaN/GaN dot-in-a-wire light emitting diodes on silicon. <i>Nanotechnology</i> , 2011, 22, 445202.	2.6	93
18	On metal contacts of terahertz quantum cascade lasers with a metal-metal waveguide. <i>Semiconductor Science and Technology</i> , 2011, 26, 105021.	2.0	21

#	ARTICLE	IF	CITATIONS
19	Optical performance of top-down fabricated InGaN/GaN nanorod light emitting diode arrays. Optics Express, 2011, 19, 25528.	3.4	167
20	p-Type Modulation Doped InGaN/GaN Dot-in-a-Wire White-Light-Emitting Diodes Monolithically Grown on Si(111). Nano Letters, 2011, 11, 1919-1924.	9.1	255
21	Time-Resolved Thermal Quenching of THz Quantum Cascade Lasers. IEEE Journal of Quantum Electronics, 2010, 46, 396-404.	1.9	19
22	Electrically switching transverse modes in high power THz quantum cascade lasers. Optics Express, 2010, 18, 10036.	3.4	12
23	Near-Infrared inorganic/organic hybrid optical upconverter with an embedded mirror. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S23.	0.8	0
24	Thermal Behavior Investigation of Terahertz Quantum-Cascade Lasers. IEEE Journal of Quantum Electronics, 2008, 44, 1139-1144.	1.9	21
25	Enhanced efficiency in near-infrared inorganic/organic hybrid optical upconverter with an embedded mirror. Journal of Applied Physics, 2008, 103, 103112.	2.5	24
26	Beam Pattern Investigation of Terahertz Quantum Cascade Lasers. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2008, 4, 267-270.	0.4	6
27	Tight-Binding Analysis of Coupled Dielectric Waveguide Structures. Fiber and Integrated Optics, 2006, 25, 11-27.	2.5	2
28	Nanoscale channel and small area amorphous silicon vertical thin film transistor. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 869-874.	2.1	3
29	Numerical study on the scaling of a-Si:H thin film transistors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 888-891.	2.1	1
30	A model reduction based approach for extracting the diffusion and generation terms of pn junction leakage current. Semiconductor Science and Technology, 2003, 18, 234-240.	2.0	1