

Mykhaylo P Semtsiv

List of Publications by Year in descending order

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18
papers

132
citations

1684188

5
h-index

1281871

11
g-index

18
all docs

18
docs citations

18
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolithically Integrated InAs/GaAs Quantum Dot Mid-Infrared Photodetectors on Silicon Substrates. ACS Photonics, 2016, 3, 749-753.	6.6	63
2	Two-colour In _{0.5} Ga _{0.5} As quantum dot infrared photodetectors on silicon. Semiconductor Science and Technology, 2018, 33, 094009.	2.0	21
3	Ultra-narrow angle-tunable Fabry-Perot bandpass interference filter for use as tuning element in infrared lasers. Infrared Physics and Technology, 2014, 67, 432-435.	2.9	11
4	Short-Wavelength $(\lambda \approx 3.6 \mu\text{m})$ $\text{In}_{0.73}\text{Ga}_{0.27}\text{As}/\text{AlAs}/\text{InP}$ Quantum-Cascade Laser. IEEE Journal of Quantum Electronics, 2007, 43, 42-46.	1.9	8
5	Physics, growth, and performance of (In,Ga)As/AlP/InP quantum-cascade lasers emitting at $\lambda < 4 \mu\text{m}$. Physica Status Solidi (B): Basic Research, 2007, 244, 2906-2915.	1.5	6
6	Power scaling in quantum cascade lasers using broad-area stripes with reduced cascade number. Optical Engineering, 2017, 57, 1.	1.0	5
7	Alignment-stabilized interference filter-tuned external-cavity quantum cascade laser. Optics Letters, 2014, 39, 6561.	3.3	4
8	Design, fabrication, and applications of ultra-narrow infrared bandpass interference filters. , 2013, , .		3
9	External-cavity quantum cascade laser using intra-cavity out-coupling. Optics Letters, 2018, 43, 3726.	3.3	3
10	Scanning Light Stimulation System With Active Focus Correction at $\lambda \approx 3.6 \mu\text{m}$; Resolution for PV Applications. IEEE Journal of Photovoltaics, 2015, 5, 627-632.	2.5	2
11	High Power and high bandwidth photoconductive terahertz emitters and detectors made of iron doped InGaAs. , 2017, , .		1
12	Impact of Cascade Number on the Thermal Properties of Broad-Area Quantum Cascade Lasers. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700441.	1.8	1
13	Transition Metal Doped InGaAs Photoconductors for THz Detectors. , 2019, , .		1
14	THz TDS system with 105 dB dynamic range based on transition metal doped InGaAs. , 2019, , .		1
15	Symmetry of the Conduction-band Minima in AlP. AIP Conference Proceedings, 2007, , .	0.4	1
16	Angled facet waveguide quantum cascade laser for external cavity system. , 2018, , .		1
17	Phase-locking in quantum cascade laser arrays. , 2009, , .		0
18	Continuous-wave operation of broad-area mid-infrared quantum cascade lasers for high brightness. , 2017, , .		0