

# Takeshi Kuboki

## List of Publications by Year in descending order

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25  
papers

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citations

2682572

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2272923

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g-index

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all docs

25  
docs citations

25  
times ranked

28  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Speed Wavelength Switching at TDA-DFB Laser Based on a Nonlinear Model. IEEE Photonics Technology Letters, 2020, 32, 1377-1380.	2.5	5
2	A 10Gbps/channel On-Chip Signaling Circuit with an Impedance-Unmatched CML Driver in 90nm CMOS Technology. , 2007, , .		4
3	A 16Gbps laser-diode driver with interwoven peaking inductors in 0.18- $\mu$ m CMOS. , 2010, , .		4
4	Bandwidth enhancement for high speed amplifier utilizing mutually coupled on-chip inductors. , 2011, , .		4
5	Fast Wavelength Switching at Tunable DFB Laser Array by Current/Temperature Cooperative Control. IEEE Photonics Technology Letters, 2022, 34, 51-54.	2.5	3
6	Nonlinear compensation for indoor visible light communication systems with carrierless amplitude and phase modulation. Japanese Journal of Applied Physics, 2019, 58, SJJAO2.	1.5	2
7	Cooperative Control of Injection Current and Temperature at DFB-LD for High-speed High-Reliability Wavelength Switching. , 2019, , .		2
8	A 25-Gb/s LD driver with area-effective inductor in a 0.18- $\mu$ m CMOS. , 2013, , .		1
9	Wavelength stabilization within 0.05 GHz with photo-mixing technique and laser current controlling. , 2015, , .		1
10	Wide-capture-range, high-precision wavelength stabilization within $\pm 50$ MHz for flexible-grid wavelength division multiplexing by photomixing technique. Japanese Journal of Applied Physics, 2016, 55, 08RB10.	1.5	1
11	Fast wavelength stabilization of tunable laser after starting laser oscillation. , 2017, , .		1
12	Proposal of cost-efficient and low-complexity platform for software defined visible light communication. , 2017, , .		1
13	Trellis Coded Three Dimensional Carrierless Amplitude and Phase Modulation. , 2019, , .		1
14	Demonstration of 600-GHz wave beam forming by arrayed light sources with arrayed photomixers. IEEE Photonics Technology Letters, 2021, , 1-1.	2.5	1
15	A 16Gb/s area-efficient LD driver with interwoven inductor in a 0.18- $\mu$ m CMOS. , 2012, , .		0
16	Linearizer for wavelength sweep at tunable DBR-LD and linearity evaluation of sweep. , 2017, , .		0
17	Optical-to-wireless media conversion by utilizing cross gain modulation at semiconductor optical amplifier. , 2017, , .		0
18	Proposal of THz phase control system utilizing chromatic dispersion at optical device and its feasibility demonstration. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	High-speed and long-term wavelength stabilization of tunable distributed amplification distributed feedback laser after laser activation with feedforward and feedback control. Japanese Journal of Applied Physics, 2018, 57, 08PD04.	1.5	0
20	High-Speed Wide-Range Wavelength Switching for Tunable Distributed Amplification (TDA-) DFB Laser Based on Nonlinear Model. , 2019, , .		0
21	Full-range wavelength switching at tunable distributed amplification DFB laser with high accuracy feedforward control. Electronics Letters, 2021, 57, 270-271.	1.0	0
22	Area-Effective Inductive Peaking with Interwoven Inductor for High-Speed Laser-Diode Driver for Optical Communication System. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95-A, 479-486.	0.3	0
23	Impedance-matched Planar-antenna-integrated High-efficiency Push-pull Power Amplifier with Center-tapped Transformer for 5 GHz Wireless Communication. Sensors and Materials, 2018, 30, 2969.	0.5	0
24	Wide-Range Wavelength Switching at TDA-DFB Laser by Nonlinear Model. , 2020, , .		0
25	Demonstration of 2-ms High-Reliability Wavelength Switching at TLA with Current/Temperature Cooperative Control. , 2020, , .		0