

Fumihiro Koyama

List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Generation of vortex beam using Bragg reflector waveguide. Applied Physics Express, 2014, 7, 022502.	1.1	21
2	High-speed operation of bow-tie-shaped oxide aperture VCSELs with photonâ€“photon resonance. Applied Physics Express, 2014, 7, 022102.	1.1	53
3	Highly angular dependent high-contrast grating mirror and its application for transverse-mode control of VCSELs. Japanese Journal of Applied Physics, 2014, 53, 090306.	0.8	32
4	20 Åµm long slow-light Bragg reflector waveguide modulator with over 20 GHz modulation bandwidth. Applied Physics Express, 2014, 7, 114101.	1.1	0
5	30 GHz ultracompact electroabsorption modulator integrated with 980 nm VCSEL with resonance effect in coupled cavities. Applied Physics Express, 2014, 7, 112101.	1.1	9
6	40 Gbps modulation of transverse coupled cavity VCSEL with pushâ€“pull modulation scheme. Applied Physics Express, 2014, 7, 092701.	1.1	6
7	Highly stable operations of transverseâ€“coupled cavity VCSELs with enhanced modulation bandwidth. Electronics Letters, 2014, 50, 823-824.	0.5	14
8	Lateral integration of vertical-cavity surface-emitting laser and slow light Bragg reflector waveguide devices. Applied Optics, 2014, 53, 1766.	0.9	6
9	Athermal and widely tunable VCSEL with bimorph micromachined mirror. Optics Express, 2014, 22, 21471.	1.7	10
10	Low-voltage, high-speed and compact electro-absorption modulator laterally integrated with 980-nm VCSEL. Optics Express, 2014, 22, 25746.	1.7	10
11	Compact electro-absorption modulator integrated with vertical-cavity surface-emitting laser for highly efficient millimeter-wave modulation. Applied Physics Letters, 2014, 105, .	1.5	9
12	Athermalization and on-chip multi-wavelength integration of VCSELs employing thermally actuated micromachined mirrors. Applied Physics Letters, 2014, 105, .	1.5	6
13	Advances and new functions of VCSEL photonics. Optical Review, 2014, 21, 893-904.	1.2	16
14	Beam-steering in hollow ZrO ₂ /SiO ₂ distributed Bragg reflector waveguides for one-dimensional RGB imaging. Japanese Journal of Applied Physics, 2014, 53, 030302.	0.8	1
15	Output beam profile control of slow-light Bragg reflector waveguide deflector with high-contrast sub-wavelength grating. , 2014, , .		0
16	Highly efficient out-of-plane optical coupler based on tapered hollow waveguide. Japanese Journal of Applied Physics, 2014, 53, 048004.	0.8	4
17	In-plane integration of VCSEL with photo-detector by using laterally coupled cavities. , 2014, , .		1
18	Ultrafast direct modulation of transverse-mode coupled-cavity VCSELs far beyond the relaxation oscillation frequency. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Engineering of angular dependence of high-contrast grating mirror for transverse mode control of VCSELs. , 2014, , .		3
20	Compact low driving voltage ($\sim 400 \text{ mV}$) electro-absorption modulator laterally integrated with VCSEL. Electronics Letters, 2014, 50, 101-103.	0.5	11
21	High Frequency Modulation of Transverse-Coupled-Cavity VCSELs for Radio Over Fiber Applications. IEEE Photonics Technology Letters, 2014, 26, 281-284.	1.3	30
22	Slow-light Bragg reflector waveguide array for two-dimensional beam steering. Japanese Journal of Applied Physics, 2014, 53, 038001.	0.8	1
23	Low-polarization dependent thermo-optic phase-shift in slow light Bragg reflector waveguide for beam steering and optical switching. Japanese Journal of Applied Physics, 2014, 53, 010306.	0.8	2
24	Wavelength tuning and controlled temperature dependence in vertical-cavity surface-emitting lasers with a thermally and electrostatically actuated cantilever structure. Japanese Journal of Applied Physics, 2014, 53, 010303.	0.8	3
25	35- μm Bragg Reflector Waveguide Modulator for High-Speed and Energy-Saving Operation. IEEE Photonics Technology Letters, 2013, 25, 1766-1769.	1.3	4
26	29-GHz directly modulated 980-nm vertical-cavity surface emitting lasers with bow-tie shape transverse coupled cavity. Applied Physics Letters, 2013, 103, .	1.5	103
27	Compact Slow-Light Electro-Absorption Modulator Laterally Integrated with 980 nm Vertical-Cavity Surface-Emitting Laser. Applied Physics Express, 2013, 6, 122102.	1.1	2
28	Photochemical reaction between diphenylamine and 1,1,1-tribromoethane and photo-induced pattern formation. Dyes and Pigments, 2013, 98, 323-326.	2.0	2
29	Beam Steering, Beam Shaping, and Intensity Modulation Based on VCSEL Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1701510-1701510.	1.9	25
30	Oleuropein supplementation increases urinary noradrenaline and testicular testosterone levels and decreases plasma corticosterone level in rats fed high-protein diet. Journal of Nutritional Biochemistry, 2013, 24, 887-893.	1.9	22
31	Low-voltage electro-absorption optical modulator based on slow-light Bragg reflector waveguide. Applied Physics Letters, 2013, 102, 031118.	1.5	6
32	Enhancing Modulation Bandwidth of Semiconductor Lasers beyond 50 GHz by Strong Optical Feedback for Use in Millimeter-Wave Radio over Fiber Links. Japanese Journal of Applied Physics, 2013, 52, 124103.	0.8	16
33	Low polarization dependent beam deflector based on Bragg reflector waveguide for C-band wavelength demultiplexing. Journal of Applied Physics, 2013, 114, .	1.1	4
34	Tuning Characteristics of Monolithic MEMS VCSELs With Oxide Anti-Reflection Layer. IEEE Photonics Technology Letters, 2013, 25, 1747-1750.	1.3	11
35	Compact beam deflector based on slow-light Bragg reflector waveguide monolithically integrated with VCSEL. IEICE Electronics Express, 2013, 10, 20130842-20130842.	0.3	0
36	Push-pull modulation of lateral coupling of dual VCSEL cavities using a bow-tie shape. , 2013, , .		1

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37	Ultra-high channel-count wavelength demultiplexer based on a Bragg reflector waveguide with large angular dispersion. Optics Express, 2012, 20, B331.	1.7	7
38	Miniature Nonmechanical Beam Deflector Based on Bragg Reflector Waveguide With a Number of Resolution Points Larger Than 1000. IEEE Photonics Journal, 2012, 4, 1712-1719.	1.0	39
39	Intensity noise in ultra-high frequency modulated semiconductor laser with strong feedback and its influence on noise figure of RoF links. Journal of the European Optical Society-Rapid Publications, 0, 8, .	0.9	11