

Yuechun Shi

List of Publications by Year in descending order

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54
papers

822
citations

516710

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526287

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54
all docs

54
docs citations

54
times ranked

307
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental demonstration of distributed feedback semiconductor lasers based on reconstruction-equivalent-chirp technology. <i>Optics Express</i> , 2009, 17, 5240.	3.4	96
2	High channel count and high precision channel spacing multi-wavelength laser array for future PICs. <i>Scientific Reports</i> , 2014, 4, 7377.	3.3	95
3	Experimental demonstration of eight-wavelength distributed feedback semiconductor laser array using equivalent phase shift. <i>Optics Letters</i> , 2012, 37, 3315.	3.3	71
4	Study of the Multiwavelength DFB Semiconductor Laser Array Based on the Reconstruction-Equivalent-Chirp Technique. <i>Journal of Lightwave Technology</i> , 2013, 31, 3243-3250.	4.6	58
5	On-chip mode converter based on two cascaded Bragg gratings. <i>Optics Express</i> , 2019, 27, 1941.	3.4	42
6	A novel concavely apodized DFB semiconductor laser using common holographic exposure. <i>Optics Express</i> , 2013, 21, 16022.	3.4	25
7	Photonic generation of linearly chirped microwave waveforms using a monolithic integrated three-section laser. <i>Optics Express</i> , 2018, 26, 9676.	3.4	25
8	Simple frequency-tunable optoelectronic oscillator using integrated multi-section distributed feedback semiconductor laser. <i>Optics Express</i> , 2019, 27, 7036.	3.4	25
9	Unified Performance Analysis of Hybrid FSO/RF System With Diversity Combining. <i>Journal of Lightwave Technology</i> , 2020, 38, 6788-6800.	4.6	25
10	Study on Two-Section DFB Lasers and Laser Arrays Based on the Reconstruction Equivalent Chirp Technique and Their Application in Radio-Over-Fiber Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 232-240.	2.9	23
11	Experimental demonstration of the three phase shifted DFB semiconductor laser based on Reconstruction-Equivalent-Chirp technique. <i>Optics Express</i> , 2012, 20, 17374.	3.4	21
12	Efficient TE-Polarized Mode-Order Converter Based on High-Index-Contrast Polygonal Slot in a Silicon-on-Insulator Waveguide. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	2.0	21
13	An apodized DFB semiconductor laser realized by varying duty cycle of sampling Bragg grating and reconstruction-equivalent-chirp technology. <i>Optics Communications</i> , 2010, 283, 1840-1844.	2.1	20
14	Modulation properties enhancement in a monolithic integrated two-section DFB laser utilizing side-mode injection locking method. <i>Optics Express</i> , 2017, 25, 27595.	3.4	19
15	Planar waveguide moiré grating. <i>Optics Express</i> , 2017, 25, 24960.	3.4	18
16	Multisection DFB Tunable Laser Based on REC Technique and Tuning by Injection Current. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	2.0	17
17	Study of cascaded tunable DFB semiconductor laser with wide tuning range and high single mode yield based on equivalent phase shift technique. <i>Optics Communications</i> , 2015, 352, 70-76.	2.1	15
18	Integrated Bragg Grating Filter With Reflection Light Dropped via Two Mode Conversions. <i>Journal of Lightwave Technology</i> , 2019, 37, 1946-1953.	4.6	15

#	ARTICLE	IF	CITATIONS
19	High-Power Single-Longitudinal-Mode DFB Semiconductor Laser Based on Sampled Moiré Grating. IEEE Photonics Technology Letters, 2019, 31, 751-754.	2.5	13
20	A Cascaded Tunable DFB Semiconductor Laser With Compact Structure. IEEE Journal of Quantum Electronics, 2018, 54, 1-11.	1.9	12
21	Study on DFB semiconductor laser array integrated with grating reflector based on reconstruction-equivalent-chirp technique. Optics Express, 2015, 23, 2889.	3.4	11
22	High Single-Mode Stability Tunable In-Series Laser Array With High Wavelength-spacing Uniformity. Journal of Lightwave Technology, 2020, 38, 6038-6046.	4.6	11
23	Design of Four-Channel Wavelength-Selectable In-Series DFB Laser Array With 100-GHz Spacing. Journal of Lightwave Technology, 2020, 38, 2299-2307.	4.6	11
24	On-chip optical narrowband reflector based on anti-symmetric Bragg grating. Optics Express, 2019, 27, 38541.	3.4	11
25	Experimental Demonstration of Amplified Feedback DFB Laser With Modulation Bandwidth Enhancement Based on the Reconstruction Equivalent Chirp Technique. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	10
26	A High Sensitivity Curvature Sensor Based on Microfiber Mach-Zehnder Interferometer With Tapered Seven-Core Fiber. IEEE Sensors Journal, 2021, 21, 24090-24097.	4.7	10
27	Study on DFB Semiconductor Laser Based on Sampled Moiré Grating Integrated With Grating Reflector. IEEE Journal of Quantum Electronics, 2020, 56, 1-9.	1.9	9
28	An Equivalent-Asymmetric Coupling Coefficient DFB Laser With High Output Efficiency and Stable Single Longitudinal Mode Operation. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	8
29	Experimental Demonstration of Compact Mode Converter Based on Conformal Dielectric Metasurface. IEEE Photonics Technology Letters, 2020, 32, 1143-1146.	2.5	7
30	A Hybrid Transverse Mode Resonance DFB Semiconductor Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	2.9	6
31	Single Wavelength Resonator Based on π Phase-Shifted Antisymmetric Bragg Grating. IEEE Photonics Technology Letters, 2019, 31, 1339-1342.	2.5	6
32	Improved Range Tunability of DFB Lasers Based on REC Technique Under Injection Current. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.9	6
33	Silicon Add-Drop Multiplexer Based on π Phase-Shifted Antisymmetric Bragg Grating. IEEE Journal of Quantum Electronics, 2021, 57, 1-8.	1.9	6
34	Experimental Demonstration of Wavelength-tunable In-Series DFB Laser Array with 100-GHz Spacing. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-8.	2.9	6
35	High Precision Dual Frequency Doppler Lidar Based on Monolithic Integrated Two-Section DFB Lasers. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	5
36	Experimental Demonstration of Single Sideband Modulation Utilizing Monolithic Integrated Injection Locked DFB Laser. Journal of Lightwave Technology, 2020, 38, 1809-1816.	4.6	5

#	ARTICLE	IF	CITATIONS
37	Research on the Asymmetric Corrugation-Pitch-Modulated HR-AR DFB Lasers With Sampled Gratings. Journal of Lightwave Technology, 2021, 39, 4725-4736.	4.6	5
38	High Sensitivity Temperature and Curvature Sensor Based on Mach-Zehnder Interferometer With Tapered Two Peanut-Shaped Structures. IEEE Sensors Journal, 2022, 22, 4135-4143.	4.7	5
39	Study on a DFB Laser Diode Based on Sampled Grating Technique for Suppression of the Zeroth Order Resonance. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	4
40	A Novel Optical Fiber Sensor Based on Microfiber Mach-Zehnder Interferometer With Two Spindle-Shaped Structures. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	4
41	10-nm-wide Tunable In-series Laser Array with High single-mode Stability. , 2020, , .		4
42	Monolithically Integrated Four-Channel DFB Semiconductor Laser Array With an Equivalent-Distributed Coupling Coefficient. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	3
43	Theoretical and experimental demonstration on narrow-linewidth DFB laser utilizing equivalent CPM-apodized grating. , 2016, , .		2
44	Experimental Demonstration of π Equivalent Phase-Shifted SBG Laser With Controlled Distributed Phase Shift. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	2
45	A Monolithic Integrated Dual-Wavelength DFB Laser With Equivalent Inverse-Gaussian Apodized Grating. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	2
46	Integrated Direct Single Sideband Modulation Utilizing Sideband Amplification Injection Locking Effect Based on Multi-Section Mutual Injection DFB Laser. Journal of Lightwave Technology, 2021, 39, 1645-1652.	4.6	2
47	Engineering Spectrum of Mode Converter Based on Cascaded Bragg Gratings. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.9	2
48	Experimental Demonstration of SBG Semiconductor Laser With Controlled Phase Shift. IEEE Photonics Technology Letters, 2017, 29, 126-129.	2.5	1
49	Tilting of Bragg Waveguide Gratings Using Two-Dimensional Sampling Structures. Journal of Lightwave Technology, 2020, 38, 4402-4408.	4.6	1
50	Signal-to-Noise Ratio of Microwave Photonic Filter With an Interferometric Structure Based on an Incoherent Broadband Optical Source. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-14.	2.9	1
51	Mode-Selective Absorption and All-Optical Control Between Two Transverse Modes on Silicon-on-Insulator. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	0
52	Multi-channel High Power Laser Array Chip for Silicon Photonic Integration. , 2021, , .		0
53	Narrow Linewidth Semiconductor Laser Based on Anti-Symmetric Bragg Grating. Journal of Lightwave Technology, 2022, 40, 762-769.	4.6	0
54	Tunable In-series Laser Array With Duplex Distributed Feedback Sections. Journal of Lightwave Technology, 2022, 40, 3882-3890.	4.6	0