

Christoph Weber

List of Publications by Year in descending order

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22
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Ultra-Short Pulse Generation in a Three Section Tapered Passively Mode-Locked Quantum-Dot Semiconductor Laser. Scientific Reports, 2019, 9, 1783. | 3.3 | 26 |
| 2 | Picosecond pulse amplification up to a peak power of 42â€‰%â€‰W by a quantum-dot tapered optical amplifier and a mode-locked laser emitting at 126Åµm. Optics Letters, 2015, 40, 395. | 3.3 | 21 |
| 3 | Threshold behavior of optical frequency comb self-generation in an InAs/InGaAs quantum dot laser. Optics Letters, 2019, 44, 3478. | 3.3 | 15 |
| 4 | Picosecond Pulse Generation and Pulse Train Stability of A Monolithic Passively Mode-Locked Semiconductor Quantum-Well Laser at 1070 nm. IEEE Journal of Quantum Electronics, 2018, 54, 1-9. | 1.9 | 10 |
| 5 | Amplitude jitter and timing jitter characterization of a monolithic high-power passively mode-locked tapered quantum dot laser. , 2016, , . | | 6 |
| 6 | Monolithic passively mode-locked semiconductor quantum-well laser emitting at 1070 nm: Picosecond pulse generation and pulse train stability analysis. , 2016, , . | | 3 |
| 7 | Bistability in a monolithic multi-section quantum dot semiconductor laser. , 2019, , . | | 2 |
| 8 | Dynamic Intermode Beat Frequency Control of an Optical Frequency Comb Single Section Quantum Dot Laser by Dual-Cavity Optical Self-Injection. IEEE Photonics Journal, 2019, 11, 1-8. | 2.0 | 1 |
| 9 | Radio-frequency analysis of self-mode-locked quantum dot laser. Materials Today: Proceedings, 2019, 7, 908-911. | 1.8 | 1 |
| 10 | Photonic integrated circuit extended cavity passively mode-locked dual absorber symmetric ring laser. Optics Letters, 2019, 44, 3566. | 3.3 | 1 |
| 11 | Stability criteria of a tapered InAs/InGaAs quantum dot laser based on pulse amplitude jitter and timing jitter investigations. , 2016, , . | | 0 |
| 12 | Pulse train stability of passively mode-locked semiconductor lasers. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 13 | Multi-gigahertz picosecond pulse generation by passive mode-locking of monolithic two-section quantum well semiconductor lasers emitting at 1070 nm: Study of different laser lengths and gain-to-absorber section length ratios. , 2017, , . | | 0 |
| 14 | Mode Locking Stability Regimes in Tapered Quantum Dot Lasers. , 2018, , . | | 0 |
| 15 | Optical feedback stabilization of a self-mode-locked quantum dot laser. Materials Today: Proceedings, 2019, 7, 912-915. | 1.8 | 0 |
| 16 | Self-Injected Optical Frequency Comb Quantum Dash Lasers. , 2019, , . | | 0 |
| 17 | Passively Mode-Locked Quantum-Well Semiconductor Laser Subject to Ultra-Short Optical Self-Feedback with Nanometric Fine-Delay. , 2019, , . | | 0 |
| 18 | MC4.3 -Optically Coupled Mode-Locked Laser Array for Spectroscopy in InP Generic Integration. , 2019, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Repetition rate transitions and timing stability improvement in monolithic multi-section semiconductor lasers. <i>Materials Today: Proceedings</i> , 2019, 7, 904-907. | 1.8 | 0 |
| 20 | Comb injection into a single-mode laser. , 2021, , . | | 0 |
| 21 | Low RF line width frequency-modulated and amplitude-modulated combs. , 2021, , . | | 0 |
| 22 | Stability of the mode-locking regime in tapered quantum-dot lasers. , 2018, , . | | 0 |