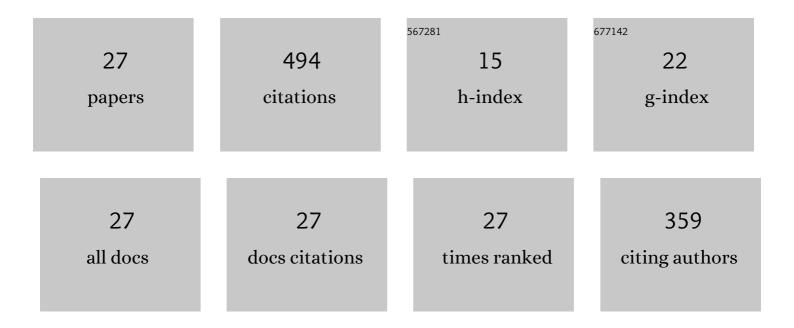
Benjamin Lingnau

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Quantum coherence induces pulse shape modification in a semiconductor optical amplifier at room temperature. Nature Communications, 2013, 4, 2953.	12.8	56
2	Failure of the <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>α</mml:mi></mml:math> factor in describing dynamical instabilities and chaos in quantum-dot lasers. Physical Review E, 2012, 86, 065201.	2.1	55
3	Mode-switching induced super-thermal bunching in quantum-dot microlasers. New Journal of Physics, 2016, 18, 063011.	2.9	45
4	Amplitude-phase coupling and chirp in quantum-dot lasers: influence of charge carrier scattering dynamics. Optics Express, 2014, 22, 4867.	3.4	40
5	Nonlinear and Nonequilibrium Dynamics of Quantum-Dot Optoelectronic Devices. Springer Theses, 2015, , .	0.1	26
6	Ultra-Short Pulse Generation in a Three Section Tapered Passively Mode-Locked Quantum-Dot Semiconductor Laser. Scientific Reports, 2019, 9, 1783.	3.3	26
7	Feedback-induced steady-state light bunching above the lasing threshold. Physical Review A, 2014, 89, .	2.5	25
8	Mutual coupling and synchronization of optically coupled quantum-dot micropillar lasers at ultra-low light levels. Nature Communications, 2019, 10, 1539.	12.8	25
9	Ultrafast gain recovery and large nonlinear optical response in submonolayer quantum dots. Physical Review B, 2016, 94, .	3.2	24
10	Strong amplitude-phase coupling in submonolayer quantum dots. Applied Physics Letters, 2016, 109, 201102.	3.3	18
11	Injection Locking of Quantum-Dot Microlasers Operating in the Few-Photon Regime. Physical Review Applied, 2016, 6, .	3.8	18
12	Tailoring the mode-switching dynamics in quantum-dot micropillar lasers via time-delayed optical feedback. Optics Express, 2018, 26, 22457.	3.4	17
13	Four-Wave Mixing in Quantum-Dot Semiconductor Optical Amplifiers: A Detailed Analysis of the Nonlinear Effects. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-12.	2.9	16
14	On-chip optoelectronic feedback in a micropillar laser-detector assembly. Optica, 2017, 4, 303.	9.3	16
15	Universal generation of devil's staircases near Hopf bifurcations via modulated forcing of nonlinear systems. Physical Review E, 2020, 102, 030201.	2.1	16
16	Stability of Optically Injected Twoâ€State Quantumâ€Dot Lasers. Annalen Der Physik, 2017, 529, 1600279.	2.4	15
17	Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers. Optics Express, 2019, 27, 28816.	3.4	11
18	Modulation response of nanolasers: what rate equation approaches miss. Optical and Quantum Electronics, 2016, 48, 1.	3.3	10

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#	Article	IF	CITATIONS
19	Dynamic phase response and amplitude-phase coupling of self-assembled semiconductor quantum dots. Applied Physics Letters, 2017, 110, 241102.	3.3	8
20	Rabi-oscillation-enhanced frequency conversion in quantum-dot semiconductor optical amplifiers. Optical and Quantum Electronics, 2018, 50, 1.	3.3	8
21	Class-C semiconductor lasers with time-delayed optical feedback. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180124.	3.4	7
22	Multimode dynamics and modeling of free-running and optically injected Fabry-Pérot quantum-dot lasers. Physical Review A, 2019, 100, .	2.5	4
23	Dynamic signatures of mode competition in optically injected high-β lasers. New Journal of Physics, 2020, 22, 073052.	2.9	2
24	Laser Dynamics and Delayed Feedback. , 2020, , 1-18.		2
25	Mapping the Stability and Dynamics of Optically Injected Dual State Quantum Dot Lasers. Photonics, 2022, 9, 101.	2.0	2
26	Quantum-Dot Semiconductor Optical Amplifiers. , 2017, , 715-746.		1
27	Laser Dynamics and Delayed Feedback. , 2020, , 31-47.		1