Anna Lena Giesecke

List of Publications by Year
in descending order

33	1,080	516710 16	580821 25
papers	citations	h-index	g-index

33	33	33	1862
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-Dimensional Platinum Diselenide Waveguide-Integrated Infrared Photodetectors. ACS Photonics, 2022, 9, 859-867.	6.6	14
2	High-efficiency grating coupler for an ultralow-loss Si₃N₄-based platform. Optics Letters, 2022, 47, 2498.	3.3	13
3	Hybrid Devices by Selective and Conformal Deposition of PtSe₂ at Low Temperatures. Advanced Functional Materials, 2021, 31, 2103936.	14.9	17
4	Roomâ€Temperature Stimulated Emission and Lasing in Recrystallized Cesium Lead Bromide Perovskite Thin Films. Advanced Materials, 2019, 31, e1903717.	21.0	148
5	ARCTURUS laser: a versatile high-contrast, high-power multi-beam laser system. High Power Laser Science and Engineering, 2019, 7, .	4.6	20
6	Bringing Plasmonics Into CMOS Photonic Foundries: Aluminum Plasmonics on Si$_{3}$N$_{4}$ for Biosensing Applications. Journal of Lightwave Technology, 2019, 37, 5516-5524.	4.6	8
7	Scaling the Sensitivity of Integrated Plasmo-Photonic Interferometric Sensors. ACS Photonics, 2019, 6, 1664-1673.	6.6	21
8	Open-Access Silicon Photonics Platforms in Europe. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-18.	2.9	82
9	Plasmonics co-integrated with silicon nitride photonics for high-sensitivity interferometric biosensing. Optics Express, 2019, 27, 17102.	3.4	14
10	UV harmonics generated on modulated targets irradiated by high-intensity laser pulses. Laser and Particle Beams, 2019, 37, 12-17.	1.0	4
11	Plasmonic Stripes in Aqueous Environment Co-Integrated With Si3N4 Photonics. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	11
12	Monolithically Integrated Perovskite Semiconductor Lasers on Silicon Photonic Chips by Scalable Top-Down Fabrication. Nano Letters, 2018, 18, 6915-6923.	9.1	98
13	Aluminum plasmonic waveguides co-integrated with Si3N4 photonics using CMOS processes. Scientific Reports, 2018, 8, 13380.	3.3	26
14	Efficient Metal-Halide Perovskite Micro Disc Lasers Integrated in a Silicon Nitride Photonic Platform. , 2018, , .		1
15	CMOS plasmonics in WDM data transmission: 200 Gb/s (8 Ã— 25Gb/s) transmission over aluminum plasmonic waveguides. Optics Express, 2018, 26, 12469.	3.4	20
16	Water Cladded Plasmonic Slot Waveguide Vertically Coupled With Si3N4 Photonics. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	5
17	Fully Flexible Filtering Element on SOI with 7-80 GHz bandwidth tunability and full FSR tuning. , 2018, , .		3
18	CMOS plasmonic waveguides co-integrated with LPCVD-based Si3N4 via a butt-coupled interface. , 2018, , .		0

#	Article	IF	Citations
19	Efficient coupling between Si3N4 photonic and hybrid slot-based CMOS plasmonic waveguide. , 2018, , .		0
20	Experimental Observation of Thin-shell Instability in a Collisionless Plasma. Astrophysical Journal Letters, 2017, 834, L21.	8.3	8
21	16 Ã— 1 Packaged MUX/DEMUX for Flexible-Grid Optical Networks. Journal of Lightwave Technology, 2017, 35, 3050-3059.	4.6	2
22	Optimisation of laser driven proton beams by an innovative target scheme. Journal of Instrumentation, 2017, 12, C06025-C06025.	1.2	0
23	Characterization of CMOS metal based dielectric loaded surface plasmon waveguides at telecom wavelengths. Optics Express, 2017, 25, 394.	3.4	26
24	Integrated perovskite lasers on a silicon nitride waveguide platform by cost-effective high throughput fabrication. Optics Express, 2017, 25, 13199.	3.4	55
25	Infrared transparent graphene heater for silicon photonic integrated circuits. Optics Express, 2016, 24, 7871.	3.4	44
26	Silicon-Organic Hybrid (SOH) and Plasmonic-Organic Hybrid (POH) Integration. Journal of Lightwave Technology, 2016, 34, 256-268.	4.6	119
27	56 Gb/s WDM transmitter module based on silicon microrings using comb lasers. , 2015, , .		2
28	Experimental verification of electro-refractive phase modulation in graphene. Scientific Reports, 2015, 5, 10967.	3.3	83
29	Experimental demonstration of electro-refractive phase modulators based on graphene. , 2015, , .		0
30	Reflective arrayed waveguide gratings based on Sagnac loop reflectors with custom spectral response. Optics Express, 2014, 22, 14348.	3.4	17
31	50 GBit/s Photodetectors Based on Wafer-Scale Graphene for Integrated Silicon Photonic Communication Systems. ACS Photonics, 2014, 1, 781-784.	6.6	162
32	Add-drop Microring Resonator for Electro-optical Switching and Optical Power Monitoring. , 2014, , .		3
33	Time-Resolved Characterization of the Formation of a Collisionless Shock. Physical Review Letters, 2013, 110, 205001.	7.8	54