

Ileana-Cristina Benea-Chelmus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4700622/publications.pdf>

Version: 2024-02-01

19
papers

465
citations

933447

10
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

412
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field correlation measurements on the electromagnetic vacuum state. Nature, 2019, 568, 202-206.	27.8	82
2	Compact and ultra-efficient broadband plasmonic terahertz field detector. Nature Communications, 2019, 10, 5550.	12.8	77
3	Gigahertz free-space electro-optic modulators based on Mie resonances. Nature Communications, 2022, 13, .	12.8	63
4	Electro-optic spatial light modulator from an engineered organic layer. Nature Communications, 2021, 12, 5928.	12.8	58
5	Electro-optic interface for ultrasensitive intracavity electric field measurements at microwave and terahertz frequencies. Optica, 2020, 7, 498.	9.3	39
6	Subcycle measurement of intensity correlations in the terahertz frequency range. Physical Review A, 2016, 93, .	2.5	35
7	Three-Dimensional Phase Modulator at Telecom Wavelength Acting as a Terahertz Detector with an Electro-Optic Bandwidth of 1.25 Terahertz. ACS Photonics, 2018, 5, 1398-1403.	6.6	34
8	Integrated patch and slot array antenna for terahertz quantum cascade lasers at 4.7 THz. Applied Physics Letters, 2014, 104, .	3.3	23
9	High performance 4.7 THz GaAs quantum cascade lasers based on four quantum wells. New Journal of Physics, 2016, 18, 123004.	2.9	21
10	Intensity autocorrelation measurements of frequency combs in the terahertz range. Physical Review A, 2017, 96, .	2.5	14
11	Broadband monolithic extractor for metal-metal waveguide based terahertz quantum cascade laser frequency combs. Applied Physics Letters, 2017, 111, 021106.	3.3	9
12	300 GHz Plasmonic Mixer. , 2019, , .		6
13	High-sensitivity intensity correlation measurements for photon statistics at terahertz frequencies. Proceedings of SPIE, 2017, , .	0.8	2
14	Mie-driven free-space electro-optic transducers. , 2021, , .		1
15	Amplitude modulation in terahertz frequency combs. , 2017, , .		0
16	Nano-engineered spatial-light modulators from electro-optic nano-molecules. , 2021, , .		0
17	Terahertz quantum optics in the time-domain: from field correlation measurements on vacuum field fluctuations in free space towards cavity electro-optics. , 2020, , .		0
18	Integrated Plasmonic Terahertz Field Detector. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Electro-optic interface for ultrasensitive intra-cavity electric field sensing. , 2020, , .		0