

Ileana-Cristina Benea-Chelmus

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

465
citations

933447

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20
all docs

20
docs citations

20
times ranked

412
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Integrated patch and slot array antenna for terahertz quantum cascade lasers at 4.7 THz. Applied Physics Letters, 2014, 104, .	3.3	23