

Emanuele Gemo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1604732/publications.pdf>

Version: 2024-02-01

21
papers

457
citations

932766

10
h-index

996533

15
g-index

23
all docs

23
docs citations

23
times ranked

528
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfigurable multilevel control of hybrid all-dielectric phase-change metasurfaces. <i>Optica</i> , 2020, 7, 476.	4.8	153
2	Experimental investigation of silicon and silicon nitride platforms for phase-change photonic in-memory computing. <i>Optica</i> , 2020, 7, 218.	4.8	58
3	Tunable Volatility of Ge ₂ Sb ₂ Te ₅ in Integrated Photonics. <i>Advanced Functional Materials</i> , 2019, 29, 1807571.	7.8	57
4	Tunable optical metasurfaces enabled by chalcogenide phase-change materials: from the visible to the THz. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 114001.	1.0	45
5	Plasmonically-enhanced all-optical integrated phase-change memory. <i>Optics Express</i> , 2019, 27, 24724.	1.7	35
6	Spectral dependence of nonlinear absorption in ordered silver metallic nanoprism arrays. <i>Scientific Reports</i> , 2017, 7, 5307.	1.6	22
7	A plasmonically enhanced route to faster and more energy-efficient phase-change integrated photonic memory and computing devices. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	20
8	Behavioral modeling of integrated phase-change photonic devices for neuromorphic computing applications. <i>APL Materials</i> , 2019, 7, .	2.2	17
9	Performance characteristics of phase-change integrated silicon nitride photonic devices in the O and C telecommunications bands. <i>Optical Materials Express</i> , 2020, 10, 1778.	1.6	16
10	Simple technique for determining the refractive index of phase-change materials using near-infrared reflectometry. <i>Optical Materials Express</i> , 2020, 10, 1675.	1.6	13
11	An integrated photonics engine for unsupervised correlation detection. <i>Science Advances</i> , 2022, 8, .	4.7	8
12	System-Level Simulation for Integrated Phase-Change Photonics. <i>Journal of Lightwave Technology</i> , 2021, 39, 6392-6402.	2.7	6
13	Simple technique for determining the refractive index of phase-change materials using near-infrared reflectometry. <i>Optical Materials Express</i> , 2020, 10, 1675.	1.6	2
14	Performance characteristics of phase-change integrated silicon nitride photonic devices in the O and C telecommunications bands. <i>Optical Materials Express</i> , 2020, 10, 1778.	1.6	2
15	Integrated Phase-change Photonics: A Strategy for Merging Communication and Computing. , 2019, , .		1
16	Sub-wavelength plasmonic-enhanced phase-change memory. , 2020, , .		1
17	Wavelength- and polarization-dependent nonlinear optical properties of plasmonic nanoprism arrays. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
18	Phase-Change Metadevices for the Dynamic and Reconfigurable Control of Light. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	10.1063/1.5111840.1., 2019,,.		0
20	10.1063/1.5111840.2., 2019,,.		0
21	Experimental investigation of silicon and silicon nitride platforms for phase-change photonic in-memory computing: erratum. Optica, 2020, 7, 1804.	4.8	0