

Federica Bianco

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

690
citations

933447

10
h-index

839539

18
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23
all docs

23
docs citations

23
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Second-harmonic generation in silicon waveguides strained by silicon nitride. <i>Nature Materials</i> , 2012, 11, 148-154.	27.5	280
2	Perfect energy-feeding into strongly coupled systems and interferometric control of polariton absorption. <i>Nature Physics</i> , 2014, 10, 830-834.	16.7	71
3	Deterministic patterned growth of high-mobility large-crystal graphene: a path towards wafer scale integration. <i>2D Materials</i> , 2017, 4, 021004.	4.4	71
4	Terahertz detection by epitaxial-graphene field-effect-transistors on silicon carbide. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	55
5	Second-Order Optical Nonlinearity in Silicon Waveguides: Inhomogeneous Stress and Interfaces. <i>Advanced Optical Materials</i> , 2015, 3, 129-136.	7.3	53
6	Patterned tungsten disulfide/graphene heterostructures for efficient multifunctional optoelectronic devices. <i>Nanoscale</i> , 2018, 10, 4332-4338.	5.6	28
7	Two-dimensional micro-Raman mapping of stress and strain distributions in strained silicon waveguides. <i>Semiconductor Science and Technology</i> , 2012, 27, 085009.	2.0	23
8	THz saturable absorption in turbostratic multilayer graphene on silicon carbide. <i>Optics Express</i> , 2015, 23, 11632.	3.4	23
9	Coherent absorption of light by graphene and other optically conducting surfaces in realistic on-substrate configurations. <i>APL Photonics</i> , 2017, 2, .	5.7	19
10	Supercontinuum source tuned by an on-axis monochromator for fluorescence lifetime imaging. <i>Optics Express</i> , 2010, 18, 20505.	3.4	14
11	Saturation and bistability of defect-mode intersubband polaritons. <i>Physical Review B</i> , 2015, 91, .	3.2	11
12	Electron Cooling with Graphene-Insulator-Superconductor Tunnel Junctions for Applications in Fast Bolometry. <i>Physical Review Applied</i> , 2020, 13, .	3.8	9
13	Saturable absorption of femtosecond optical pulses in multilayer turbostratic graphene. <i>Optics Express</i> , 2016, 24, 15261.	3.4	8
14	Symmetry enhanced non-reciprocal polarization rotation in a terahertz metal-graphene metasurface. <i>Optics Express</i> , 2018, 26, 3328.	3.4	7
15	Antenna-Coupled Graphene Field-Effect Transistors as a Terahertz Imaging Array. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 70-78.	3.1	7
16	Substrate surface effects on electron-irradiated graphene. <i>Surfaces and Interfaces</i> , 2022, 28, 101694.	3.0	5
17	Second order nonlinearity in Si by inhomogeneous strain and electric fields. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
18	Line-defect photonic crystal terahertz quantum cascade laser. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	2

#	ARTICLE	IF	CITATIONS
19	Mid-infrared difference-frequency generation in silicon waveguides strained by silicon nitride. , 2013, , .		1
20	Coherent perfect absorption and transparency in lossy and loss/gain metasurface-embedding structures. , 2017, , .		1
21	Coherent white light confocal fluorescence imaging and fluorescence lifetime imaging microscopy. Proceedings of SPIE, 2009, , .	0.8	0
22	Second-order susceptibility $\chi^{(2)}$ in Si waveguides. , 2011, , .		0
23	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. Optics Express, 2021, 29, 33602.	3.4	0