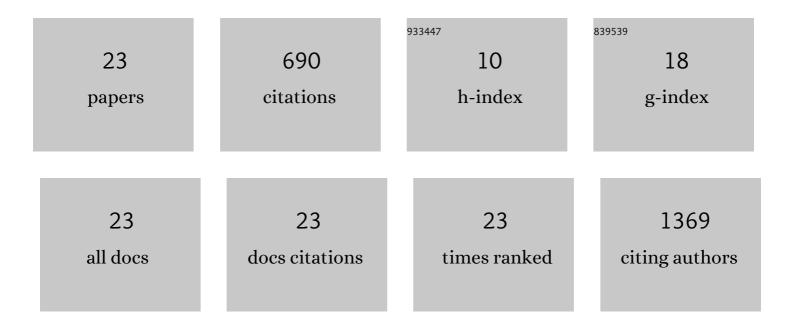
## Federica Bianco

List of Publications by Year in descending order

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FEDERICA RIANCO

#	Article	IF	CITATIONS
1	Substrate surface effects on electron-irradiated graphene. Surfaces and Interfaces, 2022, 28, 101694.	3.0	5
2	Antenna-Coupled Graphene Field-Effect Transistors as a Terahertz Imaging Array. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 70-78.	3.1	7
3	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. Optics Express, 2021, 29, 33602.	3.4	Ο
4	Electron Cooling with Graphene-Insulator-Superconductor Tunnel Junctions for Applications in Fast Bolometry. Physical Review Applied, 2020, 13, .	3.8	9
5	Line-defect photonic crystal terahertz quantum cascade laser. Journal of Applied Physics, 2019, 126, .	2.5	2
6	Patterned tungsten disulfide/graphene heterostructures for efficient multifunctional optoelectronic devices. Nanoscale, 2018, 10, 4332-4338.	5.6	28
7	Symmetry enhanced non-reciprocal polarization rotation in a terahertz metal-graphene metasurface. Optics Express, 2018, 26, 3328.	3.4	7
8	Deterministic patterned growth of high-mobility large-crystal graphene: a path towards wafer scale integration. 2D Materials, 2017, 4, 021004.	4.4	71
9	Coherent absorption of light by graphene and other optically conducting surfaces in realistic on-substrate configurations. APL Photonics, 2017, 2, .	5.7	19
10	Coherent perfect absorption and transparency in lossy and loss/gain metasurface-embedding structures. , 2017, , .		1
11	Saturable absorption of femtosecond optical pulses in multilayer turbostratic graphene. Optics Express, 2016, 24, 15261.	3.4	8
12	Saturation and bistability of defect-mode intersubband polaritons. Physical Review B, 2015, 91, .	3.2	11
13	THz saturable absorption in turbostratic multilayer graphene on silicon carbide. Optics Express, 2015, 23, 11632.	3.4	23
14	Second order nonlinearity in Si by inhomogeneous strain and electric fields. Proceedings of SPIE, 2015, , .	0.8	2
15	Secondâ€Order Optical Nonlinearity in Silicon Waveguides: Inhomogeneous Stress and Interfaces. Advanced Optical Materials, 2015, 3, 129-136.	7.3	53
16	Terahertz detection by epitaxial-graphene field-effect-transistors on silicon carbide. Applied Physics Letters, 2015, 107, .	3.3	55
17	Perfect energy-feeding into strongly coupled systems and interferometric control of polaritonÂabsorption. Nature Physics, 2014, 10, 830-834.	16.7	71
18	Mid-infrared difference-frequency generation in silicon waveguides strained by silicon nitride. , 2013, ,		1

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#	Article	IF	CITATIONS
19	Two-dimensional micro-Raman mapping of stress and strain distributions in strained silicon waveguides. Semiconductor Science and Technology, 2012, 27, 085009.	2.0	23
20	Second-harmonic generation in silicon waveguides strained by silicon nitride. Nature Materials, 2012, 11, 148-154.	27.5	280
21	Second-order susceptibility χ <sup>(2)</sup> in Si waveguides. , 2011, , .		0
22	Supercontinuum source tuned by an on-axis monochromator for fluorescence lifetime imaging. Optics Express, 2010, 18, 20505.	3.4	14
23	Coherent white light confocal fluorescence imaging and fluorescence lifetime imaging microscopy. Proceedings of SPIE, 2009, , .	0.8	0