

Riccardo Degl Innocenti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,171
citations

18
h-index

33
g-index

53
ext. papers

1,462
ext. citations

5.6
avg, IF

3.99
L-index

#	Paper	IF	Citations
43	An in-plane photoelectric effect in two-dimensional electron systems for terahertz detection.. <i>Science Advances</i> , 2022 , 8, eabi8398	14.3	2
42	Tunable polarization-induced Fano resonances in stacked wire-grid metasurfaces. <i>Communications Physics</i> , 2021 , 4,	5.4	1
41	A Pioneering Project on Laser Pyrolysis Based Entirely on TRIZ. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 288-298	0.5	
40	A Terahertz Chiral Metamaterial Modulator. <i>Advanced Optical Materials</i> , 2020 , 8, 2000581	8.1	15
39	External cavity terahertz quantum cascade laser with a metamaterial/graphene optoelectronic mirror. <i>Applied Physics Letters</i> , 2020 , 117, 041105	3.4	5
38	Graphene-Integrated Metamaterial Device for All-Electrical Polarization Control of Terahertz Quantum Cascade Lasers. <i>ACS Photonics</i> , 2019 , 6, 1547-1555	6.3	21
37	Line-defect photonic crystal terahertz quantum cascade laser. <i>Journal of Applied Physics</i> , 2019 , 126, 153104	10.4	1
36	All-integrated terahertz modulators. <i>Nanophotonics</i> , 2018 , 7, 127-144	6.3	48
35	Active Control of Electromagnetically Induced Transparency in a Terahertz Metamaterial Array with Graphene for Continuous Resonance Frequency Tuning. <i>Advanced Optical Materials</i> , 2018 , 6, 1800570	8.1	56
34	Graphene-loaded metal wire grating for deep and broadband THz modulation in total internal reflection geometry. <i>Photonics Research</i> , 2018 , 6, 1151	6	13
33	Amplitude stabilization and active control of a terahertz quantum cascade laser with a graphene loaded split-ring-resonator array. <i>Applied Physics Letters</i> , 2018 , 112, 201102	3.4	5
32	Bolometric detection of terahertz quantum cascade laser radiation with graphene-plasmonic antenna arrays. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 174001	3	17
31	Continuous-wave laser operation of a dipole antenna terahertz microresonator. <i>Light: Science and Applications</i> , 2017 , 6, e17054	16.7	8
30	External amplitude and frequency modulation of a terahertz quantum cascade laser using metamaterial/graphene devices. <i>Scientific Reports</i> , 2017 , 7, 7657	4.9	19
29	Terahertz Nanoscopy of Plasmonic Resonances with a Quantum Cascade Laser. <i>ACS Photonics</i> , 2017 , 4, 2150-2157	6.3	26
28	Contactless graphene conductivity mapping on a wide range of substrates with terahertz time-domain reflection spectroscopy. <i>Scientific Reports</i> , 2017 , 7, 10625	4.9	19
27	Hyperuniform disordered terahertz quantum cascade laser. <i>Scientific Reports</i> , 2016 , 6, 19325	4.9	32

26	Fast Modulation of Terahertz Quantum Cascade Lasers Using Graphene Loaded Plasmonic Antennas. <i>ACS Photonics</i> , 2016 , 3, 464-470	6.3	30
25	Fast terahertz optoelectronic amplitude modulator based on plasmonic metamaterial antenna arrays and graphene 2016 ,		2
24	Fast Room-Temperature Detection of Terahertz Quantum Cascade Lasers with Graphene-Loaded Bow-Tie Plasmonic Antenna Arrays. <i>ACS Photonics</i> , 2016 , 3, 1747-1753	6.3	29
23	Efficient coupling of double-metal terahertz quantum cascade lasers to flexible dielectric-lined hollow metallic waveguides. <i>Optics Express</i> , 2015 , 23, 26276-87	3.3	5
22	Fast terahertz imaging using a quantum cascade amplifier. <i>Applied Physics Letters</i> , 2015 , 107, 011107	3.4	19
21	Magneto-optic transmittance modulation observed in a hybrid graphene-split ring resonator terahertz metasurface. <i>Applied Physics Letters</i> , 2015 , 107, 121104	3.4	35
20	A hybrid plasmonic waveguide terahertz quantum cascade laser. <i>Applied Physics Letters</i> , 2015 , 106, 082101	3.4	7
19	Low-bias terahertz amplitude modulator based on split-ring resonators and graphene. <i>ACS Nano</i> , 2014 , 8, 2548-54	16.7	106
18	Terahertz probe of individual subwavelength objects in a water environment. <i>Laser and Photonics Reviews</i> , 2014 , 8, 734-742	8.3	7
17	Hollow metallic waveguides integrated with terahertz quantum cascade lasers. <i>Optics Express</i> , 2014 , 22, 24439-49	3.3	12
16	Terahertz optical modulator based on metamaterial split-ring resonators and graphene. <i>Optical Engineering</i> , 2014 , 53, 057108	1.1	14
15	Nonadiabatic switching of a photonic band structure: Ultrastrong light-matter coupling and slow-down of light. <i>Physical Review B</i> , 2012 , 85,	3.3	31
14	Terahertz confocal microscopy with a quantum cascade laser source. <i>Optics Express</i> , 2012 , 20, 21924-31	3.3	42
13	Ultrafast optical bleaching of intersubband cavity polaritons. <i>Physical Review B</i> , 2012 , 86,	3.3	17
12	Analysis of line shapes and strong coupling with intersubband transitions in one-dimensional metalodielectric photonic crystal slabs. <i>Physical Review B</i> , 2012 , 85,	3.3	13
11	One-dimensional surface-plasmon gratings for the excitation of intersubband polaritons in suspended membranes. <i>Solid State Communications</i> , 2011 , 151, 1725-1727	1.6	7
10	Intersubband polaritons in a one-dimensional surface plasmon photonic crystal. <i>Applied Physics Letters</i> , 2010 , 97, 231123	3.4	22
9	UV integrated optics devices based on beta-barium borate. <i>Optical Materials</i> , 2009 , 31, 1049-1053	3.3	12

8	Directional PC12 cell migration along plastic nanotracks. <i>IEEE Transactions on Biomedical Engineering</i> , 2009 , 56, 2692-6	5	28
7	UV second harmonic generation at 266 nm in He+ implanted beta-BaB2O4 optical waveguides. <i>Optics Express</i> , 2008 , 16, 11660-9	3.3	7
6	Electrooptically tunable microring resonators in lithium niobate. <i>Nature Photonics</i> , 2007 , 1, 407-410	33.9	378
5	Cr:LiSrAlF6 channel waveguides as broadband fluorescence sources. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 205-209	1.9	7
4	Ultraviolet electro-optic amplitude modulation in BaB2O4 waveguides. <i>Applied Physics Letters</i> , 2007 , 91, 051105	3.4	13
3	Second harmonic generation of continuous wave ultraviolet light and production of BaB2O4 optical waveguides. <i>Applied Physics Letters</i> , 2006 , 89, 041103	3.4	21
2	Optical waveguides in Sn(2)P(2)S(6) by low fluence MeV He+ ion implantation. <i>Optics Express</i> , 2006 , 14, 2344-58	3.3	9
1	Laser pyrolysis in papers and patents. <i>Journal of Intelligent Manufacturing</i> , 1	6.7	1