

# Chiara Corsi

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

610  
citations

687363

13  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the yield of high-order harmonics with an array of gas jets. Physical Review A, 2008, 78, .	2.5	88
2	Three-dimensional diamond detectors: Charge collection efficiency of graphitic electrodes. Applied Physics Letters, 2013, 103, .	3.3	59
3	Electrical and Raman-imaging characterization of laser-made electrodes for 3D diamond detectors. Diamond and Related Materials, 2014, 43, 23-28.	3.9	54
4	Ramsey-Type Spectroscopy with High-Order Harmonics. Physical Review Letters, 2002, 89, 133002.	7.8	51
5	Direct Interferometric Measurement of the Atomic Dipole Phase in High-Order Harmonic Generation. Physical Review Letters, 2006, 97, 023901.	7.8	41
6	Radiation hardness of three-dimensional polycrystalline diamond detectors. Applied Physics Letters, 2015, 106, .	3.3	37
7	Photoionization of monocrystalline CVD diamond irradiated with ultrashort intense laser pulse. Physical Review B, 2016, 93, .	3.2	31
8	Mutual coherence of supercontinuum pulses collinearly generated in bulk media. Applied Physics B: Lasers and Optics, 2003, 77, 285-290.	2.2	30
9	A new tool for painting diagnostics: Optical coherence tomography. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314.rgBT/O 0.6 36	0.6	36
10	Generation of a variable linear array of phase-coherent supercontinuum sources. Applied Physics B: Lasers and Optics, 2004, 78, 299-304.	2.2	21
11	Phase-locked, time-delayed harmonic pulses for high spectral resolution in the extreme ultraviolet. Optics Letters, 2001, 26, 1010.	3.3	20
12	Method for High-Resolution Frequency Measurements in the Extreme Ultraviolet Regime: Random-Sampling Ramsey Spectroscopy. Physical Review Letters, 2011, 106, 213003.	7.8	20
13	Ramsey spectroscopy of bound atomic states with extreme-ultraviolet laser harmonics. Optics Letters, 2010, 35, 832.	3.3	17
14	Detection of H <sub>2</sub> O and CO <sub>2</sub> with distributed feedback diode lasers: measurement of broadening coefficients and assessment of the accuracy levels for volcanic monitoring. Applied Optics, 1997, 36, 9481.	2.1	14
15	Extreme-ultraviolet Ramsey-type spectroscopy. Physical Review A, 2008, 78, .	2.5	14
16	Pressure broadening in the second overtone of NO, measured with a near infrared DFB diode laser. Optics Communications, 1999, 159, 80-83.	2.1	10
17	Fabrication and Characterisation of 3D Diamond Pixel Detectors With Timing Capabilities. Frontiers in Physics, 2020, 8, .	2.1	10
18	On the effects of strong ionization in medium-order harmonic generation. Laser and Particle Beams, 2002, 20, 277-284.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Comb-like supercontinuum generation in bulk media. <i>Applied Physics Letters</i> , 2004, 85, 1113-1115.	3.3	9
20	Robustness of phase coherence against amplification in a flashlamp-pumped multi-pass femtosecond laser. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 31-34.	2.2	7
21	Evaluation of a 3D diamond detector for medical radiation dosimetry. <i>Journal of Instrumentation</i> , 2017, 12, P01003-P01003.	1.2	7
22	An ultrastable Michelson interferometer for high-resolution spectroscopy in the XUV. <i>Optics Express</i> , 2015, 23, 4106.	3.4	6
23	Split-pulse spectrometer for absolute XUV frequency measurements. <i>Optics Letters</i> , 2011, 36, 2047.	3.3	5
24	Ultimate Limit in the Spectral Resolution of Extreme Ultraviolet Frequency Combs. <i>Physical Review Letters</i> , 2017, 118, 143201.	7.8	5
25	Perspectives of Ramsey schemes based on high-order harmonics for high-resolution XUV spectroscopy. <i>Laser Physics</i> , 2010, 20, 1119-1125.	1.2	4
26	High resolution spectroscopy in the XUV with pairs of mutually coherent and time-delayed laser harmonics. <i>Laser and Particle Beams</i> , 2004, 22, 199-202.	1.0	3
27	Interferometric measurement of the atomic dipole phase for the two electronic quantum paths generating high-order harmonics. <i>Laser Physics</i> , 2007, 17, 138-142.	1.2	3
28	Fabrication and First Full Characterisation of Timing Properties of 3D Diamond Detectors. <i>Instruments</i> , 2021, 5, 39.	1.8	3
29	Towards high-resolution spectroscopy in the XUV with phase-locked harmonic pulses. <i>Laser and Particle Beams</i> , 2001, 19, 29-33.	1.0	1
30	Optical coherence diagnostics for painting conservation. , 2007, , .		1
31	Phase-locked, time-delayed, harmonic pulses for high spectral resolution in the extreme ultraviolet: errata. <i>Optics Letters</i> , 2001, 26, 1729.	3.3	0
32	First Interferometric Measurement of the Atomic Dipole Phase in High-Order Harmonic Generation. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 26, 343-350.	0.4	0