

# Roberto Eramo

## List of Publications by Year in descending order

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60  
papers

816  
citations

516215

16  
h-index

500791

28  
g-index

60  
all docs

60  
docs citations

60  
times ranked

860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of two distinct local structures of water from ambient to supercooled conditions. <i>Nature Communications</i> , 2013, 4, 2401.	5.8	158
2	Retrieval of phase relation and emission profile of quantum cascade laser frequency combs. <i>Nature Photonics</i> , 2019, 13, 562-568.	15.6	76
3	Ramsey-Type Spectroscopy with High-Order Harmonics. <i>Physical Review Letters</i> , 2002, 89, 133002.	2.9	51
4	Sound attenuation in a unexplored frequency region: Brillouin ultraviolet light scattering measurements in $\text{SiO}_2$ . <i>Physical Review B</i> , 2005, 71, .	1.1	50
5	Accuracy of remote sensing of water temperature by Raman spectroscopy. <i>Applied Optics</i> , 1999, 38, 928.	2.1	35
6	Supercooled water relaxation dynamics probed with heterodyne transient grating experiments. <i>Physical Review E</i> , 2006, 74, 031502.	0.8	33
7	Controlling ionization products through laser-induced continuum structure. <i>Physical Review A</i> , 1998, 57, 2915-2919.	1.0	31
8	Observation of a laser-induced structure in the ionization continuum of sodium atoms using photoelectron energy spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 3789-3796.	0.6	30
9	Laser-induced structure in the continuum of sodium: a weak dressing field measurement. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 1793-1801.	0.6	24
10	The potential energy landscape in the Lennard-Jones binary mixture model. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S1227-S1236.	0.7	22
11	Time-delay spectroscopy of autoionizing resonances. <i>Physical Review A</i> , 1998, 58, R4263-R4266.	1.0	21
12	Optical Kerr effect of liquid and supercooled water: The experimental and data analysis perspective. <i>Journal of Chemical Physics</i> , 2014, 141, 084507.	1.2	21
13	Phase-controlled quantum interference in two-color atomic photoionization. <i>Physical Review A</i> , 1997, 55, 2941-2944.	1.0	20
14	Method for High-Resolution Frequency Measurements in the Extreme Ultraviolet Regime: Random-Sampling Ramsey Spectroscopy. <i>Physical Review Letters</i> , 2011, 106, 213003.	2.9	20
15	Tracing part-per-billion line shifts with direct-frequency-comb Vernier spectroscopy. <i>Physical Review A</i> , 2015, 91, .	1.0	18
16	Ramsey spectroscopy of bound atomic states with extreme-ultraviolet laser harmonics. <i>Optics Letters</i> , 2010, 35, 832.	1.7	17
17	Laser-induced autoionizing and continuum structures: Line-shape study in the presence of continuum-continuum transitions. <i>Physical Review A</i> , 1995, 51, 2974-2981.	1.0	14
18	A spectrometer for high-resolution and high-contrast Brillouin spectroscopy in the ultraviolet. <i>Review of Scientific Instruments</i> , 2005, 76, 013904.	0.6	14

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19	Extreme-ultraviolet Ramsey-type spectroscopy. <i>Physical Review A</i> , 2008, 78, .	1.0	14
20	A real-time acquisition system for pump-probe spectroscopy. <i>Philosophical Magazine</i> , 2007, 87, 731-740.	0.7	11
21	Third-harmonic generation in positively dispersive gases with a novel cell. <i>Applied Optics</i> , 1994, 33, 1691.	2.1	10
22	Effect of incoherent processes on laser-induced continuum structures. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, L637-L641.	0.6	10
23	Phonon attenuation in vitreous silica and silica porous systems. <i>Philosophical Magazine</i> , 2004, 84, 1423-1431.	0.7	9
24	Multiphoton time-delay spectroscopy using not transform-limited laser pulses. <i>Optics Communications</i> , 2000, 182, 161-165.	1.0	8
25	Multiplexed direct-frequency-comb Vernier spectroscopy of carbon dioxide $2\hat{1}\frac{1}{2}1 + \hat{1}\frac{1}{2}3$ ro-vibrational combination band. <i>Journal of Chemical Physics</i> , 2018, 148, 114303.	1.2	8
26	Electron angular distributions in non-resonant three-photon ionization of xenon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 285-289.	0.6	7
27	Optical delay control of large-spectral-bandwidth laser pulses. <i>Physical Review A</i> , 2009, 80, .	1.0	7
28	Optical kerr effect measurements on supercooled water: The experimental perspective. <i>Journal of Physics: Conference Series</i> , 2009, 177, 012009.	0.3	6
29	An ultrastable Michelson interferometer for high-resolution spectroscopy in the XUV. <i>Optics Express</i> , 2015, 23, 4106.	1.7	6
30	Optical Kerr Effect Experiments on Complex Liquids. , 2008, , 73-127.		6
31	A lineshape study of resonant multiphoton ionisation process: Effect of laser bandwidth on the power broadening. <i>Optics Communications</i> , 1995, 118, 245-249.	1.0	5
32	Strong-field effects in bichromatic laser-induced collisional energy transfer. <i>Physical Review A</i> , 1995, 52, 1382-1387.	1.0	5
33	Split-pulse spectrometer for absolute XUV frequency measurements. <i>Optics Letters</i> , 2011, 36, 2047.	1.7	5
34	Ultimate Limit in the Spectral Resolution of Extreme Ultraviolet Frequency Combs. <i>Physical Review Letters</i> , 2017, 118, 143201.	2.9	5
35	Structures induced by laser in degenerate continua for the coherent control of ionization branching ratios. <i>Optics Communications</i> , 1998, 149, 296-300.	1.0	4
36	Hydrodynamic study of 3-Methylpentane by transient grating experiments. <i>Philosophical Magazine</i> , 2004, 84, 1481-1490.	0.7	4

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37	Perspectives of Ramsey schemes based on high-order harmonics for high-resolution XUV spectroscopy. <i>Laser Physics</i> , 2010, 20, 1119-1125.	0.6	4
38	Analytic random-walk model for the coherence of a frequency comb. <i>Physical Review A</i> , 2018, 97, .	1.0	4
39	Two-color above-threshold ionization: extension to multiple continua. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 492.	0.9	3
40	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.	0.4	3
41	Improving Ramsey spectroscopy in the extreme-ultraviolet region with a random-sampling approach. <i>Physical Review A</i> , 2011, 83, .	1.0	3
42	Transient Grating Experiments in Glass-Former Liquids. , 2008, , 129-184.		3
43	Theoretical study of the Fourier-transform analysis of heterodyne comb-emission measurements. <i>Physical Review A</i> , 2021, 104, .	1.0	3
44	The jet-cooled S0â†’S1 excitation spectrum of 1,6-epoxy-[10]annulene. <i>Chemical Physics Letters</i> , 2000, 330, 315-324.	1.2	2
45	Controllable optical delay of wideband laser pulses by means of coherent effects. <i>Laser Physics</i> , 2010, 20, 1132-1136.	0.6	2
46	A high resolution ultraviolet monochromator HIREUV for the study of disordered materials in the mesoscopic regime. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999, 79, 1741-1745.	0.6	1
47	Percolation transition in waterâ€œAOTâ€œ decane microemulsion investigated by transient grating measurement. <i>Philosophical Magazine</i> , 2007, 87, 759-767.	0.7	1
48	Comment on â€œQuantum Density Fluctuations in Classical Liquidsâ€œ. <i>Physical Review Letters</i> , 2011, 106, 038901; author reply 038902.	2.9	1
49	Direct Comb Vernier Spectroscopy for Fractional Isotopic Ratio Determinations. <i>Sensors</i> , 2021, 21, 5883.	2.1	1
50	Experimental studies of quantum control in atoms. , 1998, , .		0
51	An experimental setup for spectroscopy applications of optically generated VUV and XUV radiation. <i>Optics and Lasers in Engineering</i> , 2002, 37, 577-583.	2.0	0
52	Ultraviolet Brillouin spectroscopy of glass-forming glycerol. <i>Philosophical Magazine</i> , 2004, 84, 1413-1422.	0.7	0
53	Ramsey-type spectroscopy in the XUV spectral region. , 2010, , .		0
54	Ultra-Stable Optical Oscillator Transfer for Precise UV Spectroscopy. , 2018, , .		0

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55	Ultra-Stable Optical Oscillator Transfer to the UV for Primary Thermometry. , 2019, , .		0
56	Retrieving the Phase Relation of a Quantum Cascade Laser Frequency Comb and Reconstructing its Emission Profile. , 2019, , .		0
57	Precise measurements of molecular lineshapes with direct comb spectroscopy. , 2014, , .		0
58	Coherent control of atomic photoionization. , 1998, , .		0
59	Quantum Control in Atomic Systems. , 1999, , 15-26.		0
60	Measuring part-per-billion line shifts and frequencies with direct-frequency-comb Vernier spectroscopy. , 2015, , .		0