

Roberto Eramo

List of Publications by Year in descending order

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papers

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516215

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60
all docs

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docs citations

60
times ranked

860
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Comb Vernier Spectroscopy for Fractional Isotopic Ratio Determinations. Sensors, 2021, 21, 5883.	2.1	1
2	Theoretical study of the Fourier-transform analysis of heterodyne comb-emission measurements. Physical Review A, 2021, 104, .	1.0	3
3	Retrieval of phase relation and emission profile of quantum cascade laser frequency combs. Nature Photonics, 2019, 13, 562-568.	15.6	76
4	Ultra-Stable Optical Oscillator Transfer to the UV for Primary Thermometry. , 2019, , .		0
5	Retrieving the Phase Relation of a Quantum Cascade Laser Frequency Comb and Reconstructing its Emission Profile. , 2019, , .		0
6	Multiplexed direct-frequency-comb Vernier spectroscopy of carbon dioxide $2\hat{1}/21 + \hat{1}/23$ ro-vibrational combination band. Journal of Chemical Physics, 2018, 148, 114303.	1.2	8
7	Analytic random-walk model for the coherence of a frequency comb. Physical Review A, 2018, 97, .	1.0	4
8	Ultra-Stable Optical Oscillator Transfer for Precise UV Spectroscopy. , 2018, , .		0
9	Ultimate Limit in the Spectral Resolution of Extreme Ultraviolet Frequency Combs. Physical Review Letters, 2017, 118, 143201.	2.9	5
10	Tracing part-per-billion line shifts with direct-frequency-comb Vernier spectroscopy. Physical Review A, 2015, 91, .	1.0	18
11	An ultrastable Michelson interferometer for high-resolution spectroscopy in the XUV. Optics Express, 2015, 23, 4106.	1.7	6
12	Measuring part-per-billion line shifts and frequencies with direct-frequency-comb Vernier spectroscopy. , 2015, , .		0
13	Optical Kerr effect of liquid and supercooled water: The experimental and data analysis perspective. Journal of Chemical Physics, 2014, 141, 084507.	1.2	21
14	Precise measurements of molecular lineshapes with direct comb spectroscopy. , 2014, , .		0
15	Evidence of two distinct local structures of water from ambient to supercooled conditions. Nature Communications, 2013, 4, 2401.	5.8	158
16	Split-pulse spectrometer for absolute XUV frequency measurements. Optics Letters, 2011, 36, 2047.	1.7	5
17	Improving Ramsey spectroscopy in the extreme-ultraviolet region with a random-sampling approach. Physical Review A, 2011, 83, .	1.0	3
18	Method for High-Resolution Frequency Measurements in the Extreme Ultraviolet Regime: Random-Sampling Ramsey Spectroscopy. Physical Review Letters, 2011, 106, 213003.	2.9	20

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19	Comment on "Quantum Density Fluctuations in Classical Liquids". Physical Review Letters, 2011, 106, 038901; author reply 038902.	2.9	1
20	Ramsey-type spectroscopy in the XUV spectral region. , 2010, , .		0
21	Controllable optical delay of wideband laser pulses by means of coherent effects. Laser Physics, 2010, 20, 1132-1136.	0.6	2
22	Perspectives of Ramsey schemes based on high-order harmonics for high-resolution XUV spectroscopy. Laser Physics, 2010, 20, 1119-1125.	0.6	4
23	Ramsey spectroscopy of bound atomic states with extreme-ultraviolet laser harmonics. Optics Letters, 2010, 35, 832.	1.7	17
24	Optical delay control of large-spectral-bandwidth laser pulses. Physical Review A, 2009, 80, .	1.0	7
25	Optical kerr effect measurements on supercooled water: The experimental perspective. Journal of Physics: Conference Series, 2009, 177, 012009.	0.3	6
26	Extreme-ultraviolet Ramsey-type spectroscopy. Physical Review A, 2008, 78, .	1.0	14
27	Optical Kerr Effect Experiments on Complex Liquids. , 2008, , 73-127.		6
28	Transient Grating Experiments in Glass-Former Liquids. , 2008, , 129-184.		3
29	Percolation transition in water "AOT" decane microemulsion investigated by transient grating measurement. Philosophical Magazine, 2007, 87, 759-767.	0.7	1
30	A real-time acquisition system for pump "probe spectroscopy. Philosophical Magazine, 2007, 87, 731-740.	0.7	11
31	Supercooled water relaxation dynamics probed with heterodyne transient grating experiments. Physical Review E, 2006, 74, 031502.	0.8	33
32	A spectrometer for high-resolution and high-contrast Brillouin spectroscopy in the ultraviolet. Review of Scientific Instruments, 2005, 76, 013904.	0.6	14
33	Sound attenuation in a unexplored frequency region: Brillouin ultraviolet light scattering measurements in SiO2. Physical Review B, 2005, 71, .	1.1	50
34	High resolution spectroscopy in the XUV with pairs of mutually coherent and time-delayed laser harmonics. Laser and Particle Beams, 2004, 22, 199-202.	0.4	3
35	Hydrodynamic study of 3-Methylpentane by transient grating experiments. Philosophical Magazine, 2004, 84, 1481-1490.	0.7	4
36	Phonon attenuation in vitreous silica and silica porous systems. Philosophical Magazine, 2004, 84, 1423-1431.	0.7	9

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37	Ultraviolet Brillouin spectroscopy of glass-forming glycerol. <i>Philosophical Magazine</i> , 2004, 84, 1413-1422.	0.7	0
38	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
39	Ramsey-Type Spectroscopy with High-Order Harmonics. <i>Physical Review Letters</i> , 2002, 89, 133002.	2.9	51
40	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
41	The jet-cooled S0 $\hat{\nu}$ 1 excitation spectrum of 1,6-epoxy-[10]annulene. <i>Chemical Physics Letters</i> , 2000, 330, 315-324.	1.2	2
42	Multiphoton time-delay spectroscopy using not transform-limited laser pulses. <i>Optics Communications</i> , 2000, 182, 161-165.	1.0	8
43	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
44	Accuracy of remote sensing of water temperature by Raman spectroscopy. <i>Applied Optics</i> , 1999, 38, 928.	2.1	35
45	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
46	Quantum Control in Atomic Systems. , 1999, , 15-26.		0
47	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
48	Controlling ionization products through laser-induced continuum structure. <i>Physical Review A</i> , 1998, 57, 2915-2919.	1.0	31
49	Time-delay spectroscopy of autoionizing resonances. <i>Physical Review A</i> , 1998, 58, R4263-R4266.	1.0	21
50	Experimental studies of quantum control in atoms. , 1998, , .		0
51	Coherent control of atomic photoionization. , 1998, , .		0
52	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
53	Phase-controlled quantum interference in two-color atomic photoionization. <i>Physical Review A</i> , 1997, 55, 2941-2944.	1.0	20
54	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

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55	A lineshape study of resonant multiphoton ionisation process: Effect of laser bandwidth on the power broadening. Optics Communications, 1995, 118, 245-249.	1.0	5
56	Strong-field effects in bichromatic laser-induced collisional energy transfer. Physical Review A, 1995, 52, 1382-1387.	1.0	5
57	Laser-induced autoionizing and continuum structures: Line-shape study in the presence of continuum-continuum transitions. Physical Review A, 1995, 51, 2974-2981.	1.0	14
58	Laser-induced structure in the continuum of sodium: a weak dressing field measurement. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 1793-1801.	0.6	24
59	Effect of incoherent processes on laser-induced continuum structures. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L637-L641.	0.6	10
60	Third-harmonic generation in positively dispersive gases with a novel cell. Applied Optics, 1994, 33, 1691.	2.1	10