

Principali pubblicazioni su riviste internazionali

1. Spontaneous wrinkle emergence in nascent eumelanin thin films, Oscurato, S.L., Formisano, F., de Lisio, C., D'Ischia, M., Gesuele, F., Maddalena, P., Manini, P., Migliaccio, L., Pezzella, A., *Soft Matter*, 15, 9261-9270, 2019
2. Detection of Zak phases and topological invariants in a chiral quantum walk of twisted photons, Cardano, F; D'Errico, A; Dauphin, A; Maffei, M; Piccirillo, B; de Lisio, C; De Filippis, G; Cataudella, V; Santamato, E; Marrucci, L; Lewenstein, M; Massignan, P, *Nat.Comm.*, 8, 15516, 2017
3. Anomalous evolution of broadband optical absorption reveals dynamic solid state reorganization during eumelanin build-up in thin films, Bonavolonta, Carmela; de Lisio, Corrado; d'Ischia, Marco; Maddalena, Pasqualino; Manini, Paola; Pezzella, Alessandro; Valentino, Massimo, *Sci.Rep.*, 7, 522, 2017
4. Large area CNT-Si heterojunction for photodetection, Aramo, C.; Ambrosio, M.; Bonavolonta, C.; Boscardin, M.; Crivellari, M.; de Lisio, C.; Grossi, V.; Maddalena, P.; Passacantando, M.; Valentino, M., *Nucl.Instr.Meth. A*, 845, 12, 2017
5. Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7-3946, CTA Consortium, *Astrophys.J.*, 840, 74, 2017
6. Topological features of vector vortex beams perturbed with uniformly polarized light, D'Errico, Alessio; Maffei, Maria; Piccirillo, Bruno; de Lisio, Corrado; Cardano, Filippo; Marrucci, Lorenzo, *Sci.Rep.*, 7, 40195, 2017
7. Development of a Charge Preamplifier to Improve NUV-HD SiPM Performances, CTA Consortium, *Nucl.Part.Phys.Proc.*, 291, 40, 2017
8. An upgrade of the camera focal plane of a Schwarzschild-Couder Telescope prototype (pSCT) for the Cherenkov Telescope Array (CTA), Ambrosi, G.; Ambrosio, M.; Aramoh, A.; Bissaldi, E.; Boiano, A.; Bonavolont, C.; Fiandrini, E.; Giglietto, N.; Giordano, F.; Ionica, M.; de Lisio, C.; Di Venere, L.; Masone, V.; Paoletti, R.; Postolache, V.; Simone, D.; Vagelli, V.; Valentino, M., *Nucl.Part. Phys.Proc.*, 291, 48, 2017
9. Development of a SiPM based camera for Cherenkov Telescope Array, CTA Consortium, *Nucl.Part. Phys.Proc.*, 291, 55, 2017
10. Towards the development of a SiPM-based module for the camera of the Schwarzschild-Couder Telescope prototype of CTA, CTA Consortium, *Nuovo Cim. C*, 40, 149, 2017
11. Light induced tunnel effect in CNT-Si photo diode, Aramo, C.; Ambrosio, M.; Bonavolonta, C.; Boscardin, M.; Castrucci, P.; Crivellari, M.; De Crescenzi, M.; de Lisio, C.; Fiandrini, E.; Grossi, V.; Maddalena, P.; Passacantando, M.; Santucci, S.; Scarselli, M.; Valentini, A.; Valentino, M., *Nucl.Instr. Meth. A*, 824, 76, 2016
12. Disorder-sensitive pump-probe measurements on $\text{Nd}_{1.83}\text{Ce}_{0.17}\text{CuO}_{4\pm\delta}$ films, Avella, Adolfo; Bonavolonta, Carmela; Guarino, Anita; Valentino, Massimo; Leo, Antonio; Grimaldi, Gaia; de Lisio, Corrado; Nigro, Angela; Pepe, Giampiero, *Phys.Rev. B*, 94, 115426, 2016
13. Statistical moments of quantum-walk dynamics reveal topological quantum transitions, Cardano, Filippo; Maffei, Maria; Massa, Francesco; Piccirillo, Bruno; de Lisio, Corrado; De Filippis, Giulio; Cataudella, Vittorio; Santamato, Enrico; Marrucci, Lorenzo, *Nat.Comm.*, 7, 11439, 2016
14. Quantum walks and wavepacket dynamics on a lattice with twisted photons, Cardano, F; Massa, F; Qassim, H; Karimi, E; Slussarenko, S; Paparo, D; de Lisio, C; Sciarrino, F; Santamato, E; Boyd, RW; Marrucci, L, *Sci.Adv.* 1, e1500087, 2015

15. Influence of Fe Buffer Layer on Co-Doped BaFe₂As₂ Superconducting Thin Films, Bonavolonta, C.; de Lisio, C.; Valentino, M.; Laviano, F.; Pepe, G. P.; Kurth, F.; Iida, K.; Ichinose, A.; Tsukada, I., *Adv.Cond. Matt.Phys.*, 2015, 753108, 2015
16. Hardy's paradox tested in the spin-orbit Hilbert space of single photons, Karimi, Ebrahim; Cardano, Filippo; Maffei, Maria; de Lisio, Corrado; Marrucci, Lorenzo; Boyd, Robert W.; Santamato, Enrico, *Phys.Rev. A*, 89, 032122, 2014
17. Evaluation of superconducting gaps in optimally doped Ba(Fe_{1-x}Cox)(2)As-2/Fe bilayers by ultrafast time-resolved spectroscopy, Bonavolonta, C.; de Lisio, C.; Valentino, M.; Parlato, L.; Pepe, G. P.; Kurth, F.; Iida, K., *Physica C*, 503, 132, 2014
18. Time-resolved optical response of all-oxide YBa₂Cu₃O₇/La_{0.7}Sr_{0.3}MnO₃ proximitized bilayers, Parlato, L.; Arpaia, R.; De Lisio, C.; Granozio, F. Miletto; Pepe, G. P.; Perna, P.; Pagliarulo, V.; Bonavolonta, C.; Radovic, M.; Wang, Y.; Sobolewski, Roman; di Uccio, U. Scotti, *Phys.Rev. B*, 87, 134514, 2013
19. Violation of Leggett-type inequalities in the spin-orbit degrees of freedom of a single photon, Cardano, Filippo; Karimi, Ebrahim; Marrucci, Lorenzo; de Lisio, Corrado; Santamato, Enrico, *Phys.Rev. A*, 88, 032101, 2013
20. Generation and dynamics of optical beams with polarization singularities, Cardano, Filippo; Karimi, Ebrahim; Marrucci, Lorenzo; de Lisio, Corrado; Santamato, Enrico, *Opt.Expr.*, 21, 8815, 2013
21. Fluorescence anisotropy in a diffusion flame to shed light in the dark region, Commодо, M.; Sgro, L. A.; Wang, X.; de Lisio, C.; Minutolo, P., *Proc.Comb.Inst.*, 34, 1845, 2013
22. Ultrafast quasiparticle relaxation dynamics in high quality epitaxial FeSe_{0.5}Te_{0.5} thin films, Bonavolonta, C.; Parlato, L.; Pepe, G. P.; de Lisio, C.; Valentino, M.; Bellingeri, E.; Pallecchi, I.; Putti, M.; Ferdeghini, C., *Supercond.Sci.Tech.*, 26, 75018, 2013
23. Polarization pattern of vector vortex beams generated by q-plates with different topological charges, Cardano, Filippo; Karimi, Ebrahim; Slussarenko, Sergei; Marrucci, Lorenzo; de Lisio, Corrado; Santamato, Enrico, *Appl.Opt.*, 51, C1, 2012
24. Time-division multiplexing of the orbital angular momentum of light, Karimi, Ebrahim; Marrucci, Lorenzo; de Lisio, Corrado; Santamato, Enrico, *Opt.Lett.*, 37, 127, 2012
25. Size measurements of fluorescent carbon nanoparticles in a coflowing laminar diffusion flame by time-resolved fluorescence anisotropy, Commодо, M.; de Lisio, C.; D'Anna, A.; Minutolo, P., *Comb.Sci.Tech.*, 184, 916, 2012
26. Diffusivity in water and fluorescence properties of organic nanoparticles produced in flames, Bruno, A.; de Lisio, C.; Iuorio, M.; Minutolo, P., *Appl.Phys. B*, 102, 711, 2011
27. Non-Gaussian states produced by close-to-threshold optical parametric oscillators: Role of classical and quantum fluctuations, D'Auria, V.; de Lisio, C.; Porzio, A.; Solimeno, S.; Anwar, Javaid; Paris, M. G. A., *Phys.Rev. A*, 81, 33846, 2010
28. Ultrafast Photoresponse of Superconductor/Ferromagnet Nano-Layered Hybrids, Pepe, Giovanni Piero; Pan, D.; Pagliarulo, V.; Parlato, L.; Marrocco, N.; De Lisio, C.; Peluso, G.; Barone, A.; di Uccio, U. Scotti; Casaburi, A.; Tafuri, F.; Khafizov, M.; Taneda, T.; Sobolewski, Roman, *IEEE Trans.Appl. Supercond.*, 19, 376, 2009
29. Detection of fluorescent nanoparticles in flame with femtosecond laser-induced fluorescence anisotropy, Bruno, Annalisa; Ossler, Frederik; de Lisio, Corrado; Minutolo, Patrizia; Spinelli, Nicola; D'Alessio, Antonio, *Opt.Expr.*, 16, 5623, 2008
30. Layered ferromagnet/superconductor heterostructures: Nonequilibrium quasiparticle dynamics and photodetector applications, Pan, D.; Pepe, G. P.; Pagliarulo, V.; De Lisio, C.; Parlato, L.; Khafizov, M.; Komissarov, I.; Sobolewski, Roman, *Phys.Rev. B*, 78, 174503, 2008

31. In situ detection of soot nanoparticles by time-resolved fluorescence analysis, Bruno, A.; Ossler, F.; Minutolo, P.; de Lisio, C., *J.Opt. A*, 10, 64016, 2008
32. Time-resolved fluorescence polarization anisotropy of multimodal samples: the asphaltene case, Bruno, A.; Alfe, M.; Cialolo, A.; De Lisio, C.; Minutolo, P., *Appl.Phys. B*, 90, 61, 2008
33. Evidence of fluorescent carbon nanoparticles produced in premixed flames by time-resolved fluorescence polarization anisotropy, Bruno, A.; de Lisio, C.; Minutolo, P.; D'Alessio, A., *Comb.Flame*, 151, 472, 2007
34. Characterization of nanometric carbon materials by time-resolved fluorescence polarization anisotropy, Bruno, A.; Alfe, M.; Apicella, B.; de Lisio, C.; Minutolo, P., *Opt.Las.Eng.*, 44, 732, 2006
35. Transmittivity measurements by means of squeezed vacuum light, D'Auria, V.; de Lisio, C.; Porzio, A.; Solimeno, S.; Paris, Matteo G. A., *J.Phys. B*, 39, 1187, 2006
36. Characterization of ultrafast fluorescence from nanometric carbon particles, Bruno, A.; de Lisio, C.; Minutolo, P.; D'Alessio, A., *J.Opt. A*, 8, S578, 2006
37. Ultrafast photoresponse of superconductor/ferromagnet Nb/NiCu heterostructures, Pepe, Giovanni Piero; Amanti, Maria; De Lisio, Corrado; Latempa, Rossella; Marrocco, Nicola; Parlato, Loredana; Peluso, Giuseppe; Barone, Antonio; Sobolewski, Roman; Taneda, Takahiro, *Phys.Stat. Sol. C*, 3, 2968, 2006
38. Time-resolved photoresponse of nanometer-thick Nb/NiCu bilayers, Parlato, L; Pepe, GP; Latempa, R; De Lisio, C; Altucci, C; D'Acunto, P; Peluso, G; Barone, A; Taneda, T; Sobolewski, R, *Appl.Surf.Sci.*, 248, 177, 2005
39. The emission of atoms and nanoparticles during femtosecond laser ablation of gold, Vitiello, M; Amoruso, S; Altucci, C; de Lisio, C; Wang, X, *Appl.Surf.Sci.*, 248, 163, 2005
40. Fabrication and optical properties of ultrathin ferromagnet/superconductor metallic bilayers, Pepe, GP; Parlato, L; Latempa, R; D'Acunto, P; Marrocco, N; De Lisio, C; Altucci, C; Peluso, G; Barone, A; Taneda, T; Sobolewski, R, *IEEE Trans.Appl. Supercond.*, 15, 2942, 2005
41. Synthesis of nickel nanoparticles and nanoparticles magnetic films by femtosecond laser ablation in vacuum, Amoruso, S; Ausanio, G; de Lisio, C; Iannotti, V; Vitiello, A; Wang, X; Lanotte, L, *Appl.Surf.Sci.*, 247, 71, 2005
42. Time resolved fluorescence polarization anisotropy of carbonaceous particles produced in combustion systems, Bruno, A; de Lisio, C; Minutolo, P, *Opt.Expr.*, 13, 5393, 2005
43. Fringe pattern of the field diffracted by axicons, Martirosyan, AE; Altucci, C; de Lisio, C; Porzio, A; Solimeno, S; Tosa, V, *J.Opt.Soc.Am A*, 21, 770, 2004
44. Time evolution of plasma afterglow produced by femtosecond laser pulses, Martirosyan, AE; Altucci, C; Bruno, A; de Lisio, C; Porzio, A; Solimeno, S, *J.Appl.Phys.*, 96, 5450, 2004
45. Study of the plasma plume generated during near IR femtosecond laser irradiation of silicon targets, Amoruso, S; Altucci, C; Bruzzese, R; de Lisio, C; Spinelli, N; Velotta, R; Vitiello, M; Wang, X, *Appl.Phys. A*, 79, 1377, 2004
46. Phase-matching analysis of high-order harmonics generated by truncated Bessel beams in the sub-10-fs regime, Altucci, C; Bruzzese, R; de Lisio, C; Nisoli, M; Priori, E; Stagira, S; Pascolini, M; Poletto, L; Villoresi, P; Tosa, V; Midorikawa, K *Phys.Rev. A*, 68, 033806, 2003
47. Diffractionless beams and their use for harmonic generation, Altucci, C; Bruzzese, R; de Lisio, C; Porzio, A; Solimeno, S; Tosa, V, *Opt.Las.Eng.*, 37, 565, 2002
48. High-brightness high-order harmonic generation by truncated Bessel beams in the sub-10-fs regime, Nisoli, M; Priori, E; Sansone, G; Stagira, S; Cerullo, G; De Silvestri, S; Altucci, C; Bruzzese, R; de Lisio, C; Villoresi, P; Poletto, L; Pascolini, M; Tondello, G *Phys.Rev.Lett.*, 88, 033902, 2002

49. Double-peak distribution of electron and ion emission profile during femtosecond laser ablation of metals, Amoroso, S; Wang, X; Altucci, C; de Lisio, C; Armenante, M; Bruzzese, R; Spinelli, N; Velotta, R, *Appl.Surf.Sci.*, 186, 358, 2002
50. Excited state intramolecular proton transfer in free base hemiporphyrizine, Altucci, C; Borrelli, R; de Lisio, C; De Riccardis, F; Persico, V; Porzio, A; Peluso, A, *Chem.Phys.Lett.*, 354, 160, 2002
51. The role of beam profile in high-order harmonic generation by few-optical-cycle pulses, Nisoli, M; Priori, E; Sansone, G; Stagira, S; Cerullo, G; De Silvestri, S; Altucci, C; Bruzzese, R; De Lisio, C; Villoresi, P; Poletto, L; Pascolini, M; Tondello, G, *Appl.Phys. B*, 74, S11, 2002
52. Resonances and spectral properties of detuned OPOs pumped by fluctuating sources, Porzio, A; Altucci, C; Aniello, P; de Lisio, C; Solimeno, S, *Appl.Phys. B*, 75, 655, 2002
53. Spectral properties of the single beams generated by an optical parametric oscillator, Porzio, A; Altucci, C; Aniello, P; Chiummo, A; de Lisio, C; Solimeno, S, *J.Opt. B*, 4, S313, 2002
54. Probing interfacial properties by optical second-harmonic generation, Marrucci, L; Paparo, D; Cerrone, G; de Lisio, C; Santamato, E; Solimeno, S; Ardizzone, S; Quagliotto, P, *Opt.Las.Eng.*, 37, 601, 2002
55. Application of VUV laser harmonic radiation to the measurement of porous silicon dielectric function, De Filippo, F; de Lisio, C; Maddalena, P; Solimeno, S; Lerondel, G; Altucci, C, *Opt.Las.Eng.*, 37, 611, 2002
56. Study of few-optical-cycles generation of high-order harmonics, Villoresi, P; Barbiero, P; Poletto, L; Nisoli, M; Cerullo, G; Priori, E; Stagira, S; De Lisio, C; Bruzzese, R; Altucci, C, *Las.Part. Beams*, 19, 41, 2001
57. Tunable twin beams generated type-I LNB OPO, Porzio, A; Altucci, C; Autiero, M; Chiummo, A; De Lisio, C; Solimeno, S, *Appl.Phys. B*, 73, 763, 2001
58. Determination of the dielectric function of porous silicon by high-order laser-harmonic radiation, De Filippo, F; de Lisio, C; Maddalena, P; Lerondel, G; Yao, T; Altucci, C, *Appl.Phys. A*, 73, 737, 2001
59. Beam divergence of high-order harmonics generated in the few-optical cycle regime, Altucci, C; Bruzzese, R; de Lisio, C; Tosa, V; Barbiero, P; Poletto, L; Tondello, G; Villoresi, P; Nisoli, M; Stagira, S; Cerullo, G; De Silvestri, S; Svelto, O, *J. de Phys. IV*, 11, 351, 2001
60. Ultra-fast spectroscopy and extreme nonlinear optics by few-optical-cycle laser pulses, Cerullo, G; Lanzani, G; Nisoli, M; Priori, E; Stagira, S; Zavelani-Rossi, M; Svelto, O; Poletto, L; Villoresi, P; Altucci, C; de Lisio, C, *Appl.Phys. B*, 71, 779, 2000
61. Gas medium ionization and harmonic wavelength tunability in high-order harmonic generation with ultrashort laser pulses, Ceccherini, P; Boscolo, A; Poletto, L; Tondello, G; Villoresi, P; Altucci, C; Bruzzese, R; De Lisio, C; Nisoli, M; Stagira, S; De Silvestri, S; Svelto, O, *Las.Part. Beams*, 18, 477, 2000
62. Tunable soft-x-ray radiation by high-order harmonic generation, Altucci, C; Bruzzese, R; de Lisio, C; Nisoli, M; Stagira, S; De Silvestri, S; Svelto, O; Boscolo, A; Ceccherini, P; Poletto, L; Tondello, G; Villoresi, P, *Phys.Rev. A*, 61, 021801(R), 2000
63. Nonadiabatic three-dimensional model of high-order harmonic generation in the few-optical-cycle regime, Priori, E; Cerullo, G; Nisoli, M; Stagira, S; De Silvestri, S; Villoresi, P; Poletto, L; Ceccherini, P; Altucci, C; Bruzzese, R; de Lisio, C, *Phys.Rev. A*, 61, 063801 2000
64. Thermal and nonthermal ion emission during high-fluence femtosecond laser ablation of metallic targets, Amoroso, S; Wang, X; Altucci, C; de Lisio, C; Armenante, M; Bruzzese, R; Velotta, R, *Appl.Phys.Lett.*, 77, 3728 2000

65. Spectral features and modeling of high-order harmonics generated by sub-10-fs pulses, Villorresi, P; Ceccherini, P; Poletto, L; Tondello, G; Altucci, C; Bruzzese, R; de Lisio, C; Nisoli, M; Stagira, S; Cerullo, G; De Silvestri, S; Svelto, O, *Phys.Rev.Lett.*, 85, 2494, 2000
66. Harmonic generation in gases by use of Bessel-Gauss laser beams, Altucci, C; Bruzzese, R; D'Antuoni, D; de Lisio, C; Solimeno, S *J.Opt.Soc.Am B*, 17, 34, 2000
67. Features of high-order harmonic generation in the 30 fs and the sub-10 fs regimes, Altucci, C; Bruzzese, R; de Lisio, C; Nisoli, M; Cerullo, G; Stagira, S; De Silvestri, S; Svelto, O; Boscolo, A; Ceccherini, P; Poletto, L; Tondello, G; Villorresi, P, *J.Opt. A*, 2, 289, 2000
68. Measurement of porous silicon dielectric constant by VUV laser harmonic radiation, De Filippo, F; de Lisio, C; Maddalena, P; Lerondel, G; Altucci, C, *Phys.Stat.Sol. A*, 182, 261, 2000
69. Spectral analysis of high-order harmonics generated by 30-fs and sub-10-fs laser pulses, Nisoli, M; Stagira, S; Cerullo, G; De Silvestri, S; Svelto, O; Ceccherini, P; Poletto, L; Tondello, G; Villorresi, P; Altucci, C; Bruzzese, R; de Lisio, C, *Appl.Phys. B*, 70, S215, 2000
70. Influence of the medium length on high-order harmonic generation, Delfin, C; Altucci, C; De Filippo, F; de Lisio, C; Gaarde, MB; L'Huillier, A; Roos, L; Wahlstrom, CG, *J.Phys. B*, 32, 5397, 1999
71. Analysis of efficient generation and spatial intensity profiles of high-order harmonic beams produced at high repetition rate, de Lisio, C; Altucci, C; Beneduce, C; Bruzzese, R; De Filippo, F; Solimeno, S; Bellini, M; Tozzi, A; Tondello, G; Pace, E, *Opt.Comm.*, 146, 316, 1998
72. Harmonic generation in an ionized gas medium with a 100-femtosecond, high repetition rate laser source at intermediate intensities, de Lisio, C; Altucci, C; Bruzzese, R; DeFilippo, F; Solimeno, S; Bellini, M; Foggi, P, *Appl.Phys. B*, 64, 323, 1997
73. Characterization of pulsed gas sources for intense laser field-atom interaction experiments, Altucci, C; Beneduce, C; Bruzzese, R; deLisio, C; Sorrentino, GS; Starczewski, T; Vigilante, F, *J.Phys. D*, 29, 68, 1996
74. Harmonic generation in the VUV region at high repetition rate, de Lisio, C; Altucci, C; Bruzzese, R; Solimeno, S; Vigilante, F; Bellini, M; Foggi, P, *Opt.Comm.*, 121, 73, 1995
75. Radiation scattering in intense-field harmonic generation experiments, de Lisio, C; Beneduce, C; Bruzzese, R; Solimeno, S; Sorrentino, GS, *Phys.Rev. E*, 52, 1993, 1995
76. Kinetic description of plasmas produced in multiphoton ionization processes, Altucci, C; Bruzzese, R; de Lisio, C; Solimeno, S, *Phys.Rev. E*, 49, 3316, 1994
77. The vibrational-translational relaxation of CF₂HCl in argon, Tosa, V; Bruzzese, R; de Lisio, C; Tescione, D, *Las.Chem.*, 15, 47, 1994
78. Distorsion of the laser beam induced by the electron plasma in harmonic generation experiments, Altucci, C; Ansari, NA; Bruzzese, R; de Lisio, C; Solimeno, S; Kay, RB, *J.Phys. B*, 26, 1761, 1993
79. Failure of the linear.mixture rule in the vibrational relaxation of CF₂HCl in argon, Tosa, V; de Lisio, C; Bruzzese, R, *Chem.Phys. Lett.*, 202, 555, 1993
80. Multiphoton absorption spectra of freon-22 molecules, Tosa, V; Bruzzese, R; de Lisio, C; Solimeno, S *J.Mol.Struc.*, 267, 269, 1992
81. Space-charge effects in the ion time-of-flight spectra following nonresonant multiphoton ionization, de Lisio, C; Altucci, C; Bruzzese, R; Di Palma, T; Solimeno, S; Spinelli, N; Tosa, V, *J.Phys. B*, 25, 4781, 1992
82. Fabry-Perot resonators with oscillating mirrors, Solimeno, S; Barone, F; de Lisio, C; Di Fiore, L; Milano, L; Russo, G, *Phys.Rev. A*, 43, 6227, 1991
83. Modeling the vibrational relaxation of polyatomic molecules - The methylfluoride case-study, Tosa, V; Bruzzese, R; de Lisio, C; Solimeno, S, *Las.Chem.*, 10, 147, 1990

84. The vibrational relaxation of highly excited freon-22 molecules, Tosa, V; Labuda, S; Bruzzese, R; de Lisio, C; Solimeno, S, J.Chem.Phys., 91, 4134, 1989
85. Analysis of V-V, V-T relaxation times in CO₂-laser-excited CF₂HCl molecules, Bruzzese, R; D'Ambrosio, C; de Lisio, C; Solimeno, S; Tosa, V, IR.Phys., 29, 473, 1989
86. Simultaneous measurements of absorption and vibrational relaxation time in CF₂HCl molecules, Bruzzese, R; de Lisio, C; Labuda, S; Solimeno, S; Tosa, V, Nuovo.Cim. D, 11, 1693, 1989
87. Vibrational-translational relaxation-time spectroscopy of polyatomic molecules, de Lisio, C; Bruzzese, R, Opt.Comm., 68, 352, 1988
88. Nonlinear relaxation of vibrationally highly excited freon molecules, Achasov, OV; Bruzzese, R; de Lisio, C; Solimeno, S, Opt.Comm., 64, 234, 1987

Comunicazioni a congressi e convegni di interesse internazionale

1. R. Bruzzese, C. D'Ambrosio, C. de Lisio, and R. Velotta, "Analysis of V-V,T relaxation times in CO₂ laser excited CCl₂F₂ and CClHF₂ molecules", 4th International Conference on Infrared Physics - CIRP IV, Zurich, Switzerland, 22-26 Agosto 1988, Proceedings book, p.419.
2. V. Berardi, R. Bruzzese, C. de Lisio, F. Esposito, S. Solimeno, and N. Spinelli, "An experimental analysis of the independent electron theory of multiple ionization of xenon by intense picosecond laser pulses", 5th International Conference on Multiphoton Processes - ICOMP V, Paris, France, 24-28 Settembre 1990.
3. Bruzzese, R., Berardi, V., de Lisio, C., Solimeno, S., Spinelli, N., "Test of Geltman theory of multiple ionization of xenon by intense laser pulses", 8th International Symposium on Gas Flow and Chemical Lasers Part 1; Madrid, Spain 1991, Proceedings of SPIE - The International Society for Optical Engineering 1397 (pt 2), pp. 735-738 1991.
4. C. Altucci, R. Bruzzese, C. de Lisio, and S. Solimeno, "Space charge effects on picosecond laser ionization of xenon", European Quantum Electronics Conference - EQEC'91, Edinburgh, U.K., 27-30 Agosto 1991, Technical digest, p.306.
5. R. Bruzzese, C. de Lisio, S. Solimeno, and V. Tosa, "Failure of the linear mixture rule for the CF₂HCl+Ar vibrational relaxation", Nonequilibrium Processes in Gases and Low Temperature Plasmas, Minsk, Belarus, 30 Agosto 1992.
6. C. Altucci, R. Bruzzese, C. de Lisio, S. Solimeno, and V. Tosa, "Collective effects in non-resonant multiphoton ionization: a theoretical and experimental analysis", International Symposium on Resonance Ionization Spectroscopy - RIS'92, Santa Fe - NM, U.S.A., 24-29 Maggio 1992, Inst.Phys.Conf.Ser., No.128, Section 3, p.147.
7. S. Solimeno, F. Barone, C. de Lisio, L. Di Fiore, L. Milano, and G. Russo, "A study of tilting and longitudinal oscillations in Fabry-Pérot resonators used as GW interferometric detectors", 6th Grossmann Meeting on General Relativity, Kyoto, Japan, 23-29 Giugno 1992.
8. Altucci, C; Bruzzese, R; de Lisio, C; Solimeno, S; Kay, RB, "Plasma effects in the collection of charged particles after non-resonant multiphoton ionization", 9th International Symposium on Gas Flow and Chemical Lasers, Crete, Greece, Sep 21-25, 1992, Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE), 1810, pp. 675-678, DOI: 10.1117/12.144575, 1993.
9. C. Altucci, N.A. Ansari, R. Bruzzese, C. de Lisio, S. Solimeno, and V. Tosa, "Laser beam aberration induced by the electron plasma in harmonic generation", 3rd Workshop on Super-Intense Laser-Atom Physics - SILAP III, Han-sur-Lesse, Belgium, 8-14 Gennaio 1993.
10. C. Altucci, N.A. Ansari, R. Bruzzese, C. de Lisio, S. Solimeno, F. Vigilante, V. Tosa, and R.B. Kay, "Light beam defocusing due to free electrons in harmonic generation experiments", European Quantum Electronics Conference - EQEC'93, Firenze, Italy, 10-13 Settembre 1993, Technical digest, p.1035.
11. R. Bruzzese, C. de Lisio, and S. Solimeno, "Laser field distortion effects in intense field

- harmonic generation experiments”, 14th International Conference on Atomic Physics, Boulder - CO, U.S.A., 31 Luglio 1994.
12. C. de Lisio, R. Bruzzese, C. Beneduce, G.S. Sorrentino, F. Vigilante, S. Solimeno, and C. Altucci, “Defocusing effects in intense field harmonic generation experiments”, High Field Interactions and Short Wavelengths Generation, St. Malo, France, 22-25 Agosto 1994.
 13. C. Altucci, R. Bruzzese, C. de Lisio, S. Solimeno, F. Vigilante, M. Bellini, and P. Foggi, “A source of sub-picosecond, coherent, high repetition rate radiation pulses for atomic physics experiments in the VUV”, 12th International Conference on Laser Spectroscopy, Capri, Italy, 11-16 Giugno 1995.
 14. C. Altucci, R. Bruzzese, C. de Lisio, S. Solimeno, F. Vigilante, M. Bellini, and P. Foggi “A femtosecond radiation source at high repetition rate: coherence, partial tunability, and VUV operation”, 2nd International Workshop on Generation and Application of Ultrashort X-ray Pulses, Pisa, Italy, 20-23 Settembre 1995.
 15. C. Altucci, R. Bruzzese, C. de Lisio, S. Solimeno, F. Vigilante, M. Bellini, and P. Foggi, “A sub-picosecond source of coherent, partially tunable, VUV radiation operating at high repetition rate”, 9th International Symposium on Ultrafast Processes in Spectroscopy, Trieste, Italy, 30 Ottobre - 3 Novembre 1995, Ultrafast Processes in Spectroscopy, Edited by: Svelto, O; DeSilvestri, S; Denardo, G, pp. 405-407, 1996.
 16. Altucci, C., Bruzzese, R., De Filippo, F., de Lisio, C., Solimeno, S., Vigilante, F., Bellini, M., Foggi, P., “Femtosecond, high repetition rate source of coherent radiation in the VUV spectral range”, European Quantum Electronics Conference, EQEC'96; Hamburg, Germany, 8 September 1996, Technical Digest - European Quantum Electronics Conference, p. 51, 1996.
 17. C. Altucci, C. Beneduce, R. Bruzzese, F. De Filippo, C. de Lisio, S. Solimeno, M. Bellini, and P. Foggi, “Sub-Picosecond Source of Coherent, Partially Tunable VUV Radiation Operating at High Repetition Rate”, 7th International Conference on Multiphoton Processes (ICOMP VII), Garmish-Partenkirchen, Germany, 30 Settembre-4 Ottobre 1996.
 18. C. Altucci, R. Bruzzese, C. de Lisio, M. Nisoli, S. Stagira, S. De Silvestri, O. Svelto, P. Ceccherini, L. Poletto, A. Boscolo, G. Tondello, P. Villoresi: “Generation of tunable and coherent radiation in the XUV and soft-X-ray using high-order-harmonics”, Ultraintense Laser Interactions and Applications-1, Elounda, Crete, Greece, May 7-11, 1999.
 19. M. Nisoli, S. Stagira, S. De Silvestri, O. Svelto, C. Altucci, R. Bruzzese, C. de Lisio, P. Ceccherini, L. Poletto, A. Boscolo, G. Tondello, P. Villoresi, “Tunable sub-20 nm harmonic emission”, Ultrafast Optics '99, Ascona, Switzerland, July 12-16, 1999.
 20. C. Altucci, R. Bruzzese, C. de Lisio, M. Nisoli, S. Stagira, S. De Silvestri, O. Svelto, P. Ceccherini, L. Poletto, A. Boscolo, G. Tondello, P. Villoresi: “High-Order harmonic generation: a comparison between 30 fs and sub-10 fs regimes”, Workshop On Applications Of Nonlinear Optical Phenomena And Related Industrial Perspectives, 2nd Annual Meeting of the COST Action P2, Amalfi, Italy, October 6th-9th, 1999.
 21. C. Altucci, R. Bruzzese, C. de Lisio, E. Priori, G. Cerullo, M. Nisoli, S. Stagira, S. De Silvestri, O. Svelto, L. Poletto, G. Tondello, P. Villoresi: “Tunable high-order harmonic radiation in the few optical cycle regime”, 7th International Conference on X-ray Lasers, Saint Malo, France, June 19-23, 2000.
 22. S. De Silvestri, G. Cerullo, M. Nisoli, E. Priori, S. Stagira, O. Svelto, L. Poletto, G. Tondello, P. Villoresi, C. Altucci, R. Bruzzese, C. de Lisio, “High-order harmonic generation in the few-optical-cycle regime: spectral characteristics and modeling”, The Twelfth International Conference on Ultrafast Phenomena and Tabletop Exhibit, Charleston Place, South Carolina (USA), July 9-13, 2000.
 23. M. Nisoli, S. Stagira, G. Cerullo, S. De Silvestri, O. Svelto, P. Villoresi, P. Ceccherini, L. Poletto, G. Tondello, C. Altucci, R. Bruzzese, C. de Lisio, “Sub-10-fs laser driven high-order harmonic generation: spectral characteristics and modeling”, Conference on Lasers and Electro-Optics/Europe - International Quantum Electronics Conference 2000, Nice, France,

September 10 2000.

24. Priori, E., Cerullo, G., Nisoli, M., Stagira, S., De Silvestri, S., Villorresi, P., Poletto, L., Ceccherini, P., Altucci, C., Bruzzese, R., de Lisio, C., "Three-dimensional non-adiabatic model for high-order harmonic generation with few-optical-cycle pulses", Conference on Lasers and Electro-Optics/Europe - International Quantum Electronics Conference (IQEC 2000); Nice, France; 10 September 2000.
25. Nisoli, M., Stagira, S., Cerullo, G., De Silvestri, S., Svelto, O., Ceccherini, P., Poletto, L., Tondello, G., Villorresi, P., Altucci, C., Bruzzese, R., de Lisio, C., "Spectral characteristics of high-order harmonics generated by sub-10-fs pulses", Pacific Rim Conference on Lasers and Electro-Optics (CLEO), San Francisco, CA, USA, 7 May 2000 - Technical Digest, 2000, pp. 517-518, 2000.
26. De Silvestri, S., Cerullo, G., Nisoli, M., Stagira, S., Svelto, O., Tondello, G., Villorresi, P., Altucci, C., Bruzzese, R., de Lisio, C., "High-order harmonic generation in the few-optical-cycle regime: Spectral characteristics and modeling", 12th International Conference on Ultrafast Phenomena, Charleston, SC, July 09-13, 2000. Ultrafast Phenomena XII, Elsaesser, T; Mukamel, S; Murnane, MM; Scherer, NF (Eds.), Springer Series in Chemical Physics, 66, pp 290-292, 2001.
27. S. De Silvestri, G. Cerullo, M. Nisoli, E. Priori, S. Stagira, O. Svelto, L. Poletto, G. Tondello, P. Villorresi, C. Altucci, R. Bruzzese, C. de Lisio, "Spatial and spectral properties of high-order harmonics in the few-optical-cycle regime", Conference on Lasers and Electro-Optics/Quantum Electronics and Laser Science 2001, Baltimore, U.S.A., May 6-11, 2001.
28. Stagira, S., Priori, E., Sansone, G., Nisoli, M., Cerullo, G., De Silvestri, S., Villorresi, P., Poletto, L., Tondello, G., Altucci, C., Bruzzese, R., de Lisio, C., "High-order harmonic generation in the few-optical-cycle regime", 2nd International Conference on Superstrong Fields in Plasmas, Varenna, Italy, August 27, 2001. Superstrong Fields in Plasmas, Lontano, M; Mourou, G; Svelto, O; Tajima, T (Eds.), AIP Conference Proceedings, 611, pp. 32-43, 2002.
29. Pepe, GP, Amanti, M., de Lisio, C., Latempa, R., Marrocco, N., Parlato, L., Peluso, G., Barone, A., Sobolewski, R., Taneda, T., "Ultrafast photoresponse of superconductor/ferromagnet Nb/NiCu heterostructures", 4th International Conference on Magnetic and Superconducting Materials, Agadir, Morocco, Sep. 05-08, 2006. Physica Status Solidi C - Current Topics in Solid State Physics, 3, No. 9, Stutzmann, M (Ed.), pp. 2968, DOI: 10.1002/pssc.200567026, 2006.
30. A. Bruno, C. de Lisio, D. Galla, P. Minutolo, A. D'Alessio, "Spectroscopy of Engines and Flames Produced Nano Organic Compounds Suspended in Water", 29th Meeting on Combustion of the Italian Section of the Combustion Institute, Pisa, Italy, June 14, 2006.
31. Parlato, L., Pepe, GP, Pan, D, de Lisio, C., Pagliarulo, V, Cosentino, A, Marrocco, N, Dalena, D, Peluso, G, Barone, A, Sobolewski, R, "Time-resolved optical characterization of proximized nanobilayers for ultrafast photodetector applications", 8th European Conference on Applied Superconductivity, Brussels, Belgium, Sep. 16-20, 2007. Hoste, S; Ausloos, M (Eds.), Journal of Physics Conference Series, 97, No. UNSP 012317, DOI: 10.1088/1742-6596/97/1/012317, 2008.
32. Bruno, A, Ossler, F, de Lisio, C, Minutolo, P, Spinelli, N, D'Alessio, A, "Detection of fluorescent nanoparticles in flame with femtosecond laser-induced fluorescence anisotropy", 236th National Meeting and Exposition of the American Chemical Society, ACS-2008, Philadelphia, PA; United States; 17 August 2008.
33. Bruno, A, Ossler, F, de Lisio, C, Minutolo, P, Spinelli, N, D'Alessio, A, "Detection of fluorescent nanoparticles in flame with femtosecond laser- induced fluorescence anisotropy", 236th National Meeting and Exposition of the American Chemical Society, ACS-2008, Philadelphia, PA; United States; 17 August 2008.
34. Bruno, A, Minutolo, P, de Lisio, C, Spinelli, N, D'Alessio, A, "Time Resolved Fluorescence Anisotropy of Combustion Generated Nanoparticles Ex Situ and In Situ", 2nd Advanced

- Atmospheric Aerosol Symposium (AAAS08), Naples, Italy, Sep 09-12, 2008, Ranzi, E (Ed.) Chemical Engineering Transactions, 16, pp 121, 2008.
35. Bruno, A, de Lisio, C, Ossler, F, Minutolo, P, D'Alessio, A, Spinelli, N, "Carbon Nanoparticles Detection and Sizing in Combustion Systems by Fluorescence Analysis", 13th Italian Conference on Sensors and Microsystems, Rome, Italy, Feb. 19-21, 2008. Proceedings of the 13th Italian Conference on Sensors and Microsystems, Di Natale, C; D'Amico, A; Martinelli, E; Paolesse, R Eds.), pp. 355, 2009.
 36. Pepe, G.P, de Lisio, C, Parlato, L, Pagliarulo, V, Marrocco, N, Zhao, C, Novak, V, Olejnik, K, Cukr, M, Sobolewski, R, "Femtosecond, time-resolved differential reflectivity measurements in Ga_{1-x}Mn_xAs epitaxial thin films", Nonlinear Optics and Applications III, Prague, Czech Republic, 20 April 2009. Proceedings of SPIE - The International Society for Optical Engineering, 7354, Article number 735411, 2009.
 37. Pepe, GP, Parlato, L, Pagliarulo, V, Marrocco, N, de Lisio, C, Peluso, G, Barone, A, Taino, T, Myoren, H, Casaburi, A, Ejrnaes, M, Cristiano, R, "Photoresponse experiments on NbN proximitized nanostructures", 9th European Conference on Applied Superconductivity (EUCAS), Dresden, Germany, Sep 13-17, 2009. Journal of Physics Conference Series, 234, 042027, DOI: 10.1088/1742-6596/234/4/042027, 2010.
 38. P. Minutolo, F. Ossler, C. de Lisio, A. Bruno, A. D'Anna4 "Time Resolved Fluorescence Anisotropy measurements of nanoparticle sizes in a diffusion flame", Processes and Technologies for a Sustainable Energy, Ischia, June 27-30, 2010, DOI: 10.4405/ptse2010.P2.4.
 39. Commодо, M, de Lisio, C, D'Anna, A, Minutolo, P, "Size Measurements of Fluorescent Carbon Nanoparticles in a Coflowing Laminar Diffusion Flame by Time-resolved Fluorescence Anisotropy", 7th Mediterranean Combustion Symposium, Chia Laguna, Italy, Sep. 11-15, 2011. Combustion Science and Technology, 184 (7-8), pp. 916-928, Special Issue: SI, DOI: 10.1080/00102202.2012.663985, 2012.
 40. Pepe, GP, Parlato, L, de Lisio, C, Bonavolontà, C, Valentino, M, Cristiano, R, Eijarneas, M, Myoren, H, Sobolewski, R, "Proximitized NbN/NiCu nanostripes as new promising superconducting single-photon detectors", Conference on Photon Counting Applications IV; and Quantum Optics and Quantum Information Transfer and Processing, Prague, Czech Republic, Apr. 16-17, 2013. Photon Counting Applications IV; Quantum Optics and Quantum Information Transfer and Processing, Prochazka, I; Fiurasek, J; Sobolewski, R (Eds.), Proceedings of SPIE, 8773, No. UNSP 87730G, DOI: 10.1117/12.2020844, 2013.
 41. Bonavolonta, C, Parlato, L, de Lisio, C, Valentino, M, Pepe, GP, Kazumasa, I, Kurth, F, Bellingeri, E, Pallecchi, I, Putti, M, Ferdeghini, C, Ummarino, GA, Laviano, F, "Femtosecond spectroscopy in a nearly optimally doped Fe-based superconductors FeSe_{0.5}Te_{0.5} and Ba(Fe_{1-x}Co_x)₂As₂/Fe thin film", 11th European Conference on Applied Superconductivity (EUCAS), Genoa, Italy, Sep. 15-19, 2013. Farinon, S; Pallecchi, I; Malagoli, A; Lamura, G (Eds.), Journal of Physics Conference Series, 507, 012004, DOI: 10.1088/1742-6596/507/1/012004, 2014.
 42. Guarino, A, Parlato, L, Bonavolonta, C, Valentino, M, de Lisio, C, Leo, A, Grimaldi, G, Pace, S, Pepe, GP, Vecchione, A, Nigro, A, "Transport and optical properties of epitaxial Nd_{1.83}Ce_{0.17}CuO_{4-δ} thin films", 11th European Conference on Applied Superconductivity (EUCAS), Genoa, Italy, Sep. 15-19, 2013. Farinon, S; Pallecchi, I; Malagoli, A; Lamura, G (Eds.), Journal of Physics Conference Series, 507, 012018, DOI: 10.1088/1742-6596/507/1/012018, 2014.
 43. Valentino, M, Bonavolonta, C, Porto, C, de Lisio, C, Parlato, L, Pepe, GP, "Magnetic measurements based on magneto-optical Kerr effect on pnictide Ba(Fe_{1-x}Co_x)₂As₂/Fe thin film", 11th European Conference on Applied Superconductivity (EUCAS), Genoa, Italy, Sep. 15-19, 2013. Farinon, S; Pallecchi, I; Malagoli, A; Lamura, G (Eds.), Journal of Physics Conference Series, 507, 012050, DOI: 10.1088/1742-6596/507/1/012050, 2014.

44. Ambrosi, G, Ambrosio, M, Aramo, C, Bissaldi, E, Boiano, A, Bonavolonta, C, de Lisio, C, Di Venere, L, Fiandrini, E, Giglietto, N, Giordano, F, Ionica, M, Licciulli, F, Loporchio, S, Masone, V, Mongelli, M, Paoletti, R, Postolache, V, Rugliancich, A, Vagelli, V, Valentino, M, “Development of a 16-channel matrix of photodetection sensor for medical imaging and astrophysical applications”, 7th International Workshop on Advances in Sensors and Interfaces (IWASI 2017) Vieste, Italy 15 June 2017. Proceedings: No. 7974224, Pages 90-94, 2017.
45. F Acero, BS Acharya, V Acín Portella, C Adams, I Agudo, F Aharonian, I Al Samarai, A Alberdi, ..., C de Lisio, et al. (CTA Collaboration), “Cherenkov Telescope Array Contributions to the 35th International Cosmic Ray Conference”, 35th International Cosmic Ray Conference, Busan, Korea, July 12-20 2017.