

Mauro Nisoli

List of Publications by Year in descending order

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346
papers

14,559
citations

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20307

116
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359
all docs

359
docs citations

359
times ranked

5876
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Isolated Single-Cycle Attosecond Pulses. <i>Science</i> , 2006, 314, 443-446. | 6.0 | 1,496 |
| 2 | Generation of high energy 10 fs pulses by a new pulse compression technique. <i>Applied Physics Letters</i> , 1996, 68, 2793-2795. | 1.5 | 910 |
| 3 | Compression of high-energy laser pulses below 5 fs. <i>Optics Letters</i> , 1997, 22, 522. | 1.7 | 902 |
| 4 | Absolute-phase phenomena in photoionization with few-cycle laser pulses. <i>Nature</i> , 2001, 414, 182-184. | 13.7 | 653 |
| 5 | Electron localization following attosecond molecular photoionization. <i>Nature</i> , 2010, 465, 763-766. | 13.7 | 630 |
| 6 | Ultrafast electron dynamics in phenylalanine initiated by attosecond pulses. <i>Science</i> , 2014, 346, 336-339. | 6.0 | 615 |
| 7 | Controlling attosecond electron dynamics by phase-stabilized polarization gating. <i>Nature Physics</i> , 2006, 2, 319-322. | 6.5 | 399 |
| 8 | Attosecond Electron Dynamics in Molecules. <i>Chemical Reviews</i> , 2017, 117, 10760-10825. | 23.0 | 367 |
| 9 | Generalized molecular orbital tomography. <i>Nature Physics</i> , 2011, 7, 822-826. | 6.5 | 355 |
| 10 | Advances in attosecond science. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 062001. | 0.6 | 334 |
| 11 | Controlling Two-Center Interference in Molecular High Harmonic Generation. <i>Physical Review Letters</i> , 2005, 95, 153902. | 2.9 | 333 |
| 12 | High-energy attosecond light sources. <i>Nature Photonics</i> , 2011, 5, 655-663. | 15.6 | 289 |
| 13 | Sub-8-fs pulses from an ultrabroadband optical parametric amplifier in the visible. <i>Optics Letters</i> , 1998, 23, 1283. | 1.7 | 252 |
| 14 | High-energy isolated attosecond pulses generated by above-saturation few-cycle fields. <i>Nature Photonics</i> , 2010, 4, 875-879. | 15.6 | 252 |
| 15 | Nonadiabatic three-dimensional model of high-order harmonic generation in the few-optical-cycle regime. <i>Physical Review A</i> , 2000, 61, . | 1.0 | 230 |
| 16 | Generation of 38-fs pulses from adaptive compression of a cascaded hollow fiber supercontinuum. <i>Optics Letters</i> , 2003, 28, 1987. | 1.7 | 217 |
| 17 | Millijoule-level phase-stabilized few-optical-cycle infrared parametric source. <i>Optics Letters</i> , 2007, 32, 2957. | 1.7 | 181 |
| 18 | Attosecond Electron Spectroscopy Using a Novel Interferometric Pump-Probe Technique. <i>Physical Review Letters</i> , 2010, 105, 053001. | 2.9 | 181 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A novel-high energy pulse compression system: generation of multigigawatt sub-5-fs pulses. Applied Physics B: Lasers and Optics, 1997, 65, 189-196. | 1.1 | 159 |
| 20 | Generation of 11 fs pulses tunable across the visible by optical parametric amplification. Applied Physics Letters, 1997, 71, 3616-3618. | 1.5 | 153 |
| 21 | New frontiers in attosecond science. Progress in Quantum Electronics, 2009, 33, 17-59. | 3.5 | 146 |
| 22 | Coherent acoustic oscillations in metallic nanoparticles generated with femtosecond optical pulses. Physical Review B, 1997, 55, R13424-R13427. | 1.1 | 144 |
| 23 | Direct Observation of Ultrafast Field-Induced Charge Generation in Ladder-Type Poly(Para-Phenylene). Physical Review Letters, 1998, 81, 3259-3262. | 2.9 | 137 |
| 24 | Femtosecond Relaxation of Photoexcitations in a Poly(Para-Phenylene)-Type Ladder Polymer. Physical Review Letters, 1996, 76, 847-850. | 2.9 | 134 |
| 25 | Effects of Carrier-Envelope Phase Differences of Few-Optical-Cycle Light Pulses in Single-Shot High-Order-Harmonic Spectra. Physical Review Letters, 2003, 91, 213905. | 2.9 | 134 |
| 26 | The ELI-ALPS facility: the next generation of attosecond sources. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 132002. | 0.6 | 128 |
| 27 | Molecular Dissociative Ionization and Wave-Packet Dynamics Studied Using Two-Color XUV and IR Pump-Probe Spectroscopy. Physical Review Letters, 2009, 103, 123005. | 2.9 | 115 |
| 28 | Cluster effects in high-order harmonics generated by ultrashort light pulses. Applied Physics Letters, 2005, 86, 111121. | 1.5 | 111 |
| 29 | Observation of Ultrafast Charge Migration in an Amino Acid. Journal of Physical Chemistry Letters, 2012, 3, 3751-3754. | 2.1 | 108 |
| 30 | Ultrafast Electronic Dynamics in Solid and Liquid Gallium Nanoparticles. Physical Review Letters, 1997, 78, 3575-3578. | 2.9 | 105 |
| 31 | Highly efficient parametric conversion of femtosecond Ti:sapphire laser pulses at 1 kHz. Optics Letters, 1994, 19, 1973. | 1.7 | 101 |
| 32 | Nonadiabatic quantum path analysis of high-order harmonic generation: Role of the carrier-envelope phase on short and long paths. Physical Review A, 2004, 70, . | 1.0 | 96 |
| 33 | Above-Threshold Ionization at the Few-Cycle Limit. Physical Review Letters, 2003, 91, 173003. | 2.9 | 89 |
| 34 | Intense femtosecond extreme ultraviolet pulses by using a time-delay-compensated monochromator. Optics Letters, 2007, 32, 2897. | 1.7 | 88 |
| 35 | Rotational Raman Effects in the Wake of Optical Filamentation. Physical Review Letters, 2008, 100, 123006. | 2.9 | 86 |
| 36 | Coherent continuum generation above 100 eV driven by an ir parametric source in a two-color scheme. Physical Review A, 2009, 79, . | 1.0 | 83 |

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|----|--|-----|-----------|
| 37 | Charge migration induced by attosecond pulses in bio-relevant molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 142001. | 0.6 | 80 |
| 38 | Excited-state dynamics of poly(para-phenylene)-type ladder polymers at high photoexcitation density. <i>Physical Review B</i> , 1998, 57, 12806-12811. | 1.1 | 79 |
| 39 | Single-shot kilohertz characterization of ultrashort pulses by spectral phase interferometry for direct electric-field reconstruction. <i>Optics Letters</i> , 2003, 28, 281. | 1.7 | 79 |
| 40 | Size effects in the ultrafast electronic dynamics of metallic tin nanoparticles. <i>Physical Review B</i> , 1996, 53, 15497-15500. | 1.1 | 78 |
| 41 | High-energy, few-optical-cycle pulses at 1.5 μm with passive carrier-envelope phase stabilization. <i>Optics Express</i> , 2006, 14, 10109. | 1.7 | 74 |
| 42 | Attosecond chronoscopy of electron scattering in dielectric nanoparticles. <i>Nature Physics</i> , 2017, 13, 766-770. | 6.5 | 74 |
| 43 | Attosecond Pump-Probe Spectroscopy of Charge Dynamics in Tryptophan. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4570-4577. | 2.1 | 74 |
| 44 | Efficient continuum generation exceeding 200 eV by intense ultrashort two-color driver. <i>Optics Letters</i> , 2009, 34, 3125. | 1.7 | 73 |
| 45 | High-Brightness High-Order Harmonic Generation by Truncated Bessel Beams in the Sub-10-fs Regime. <i>Physical Review Letters</i> , 2002, 88, 033902. | 2.9 | 71 |
| 46 | Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source. <i>Nature Communications</i> , 2017, 8, 493. | 5.8 | 71 |
| 47 | Observation of Carrier-Envelope Phase Phenomena in the Multi-Optical-Cycle Regime. <i>Physical Review Letters</i> , 2004, 92, 113904. | 2.9 | 66 |
| 48 | Optimization of high-order harmonic generation by adaptive control of a sub-10-fs pulse wave front. <i>Optics Letters</i> , 2004, 29, 207. | 1.7 | 66 |
| 49 | Single-mode picosecond blue laser emission from a solid conjugated polymer. <i>Applied Physics Letters</i> , 1998, 73, 2860-2862. | 1.5 | 65 |
| 50 | Toward a terawatt-scale sub-10-fs laser technology. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998, 4, 414-420. | 1.9 | 62 |
| 51 | Tunable soft-x-ray radiation by high-order harmonic generation. <i>Physical Review A</i> , 1999, 61, . | 1.0 | 62 |
| 52 | Time-delay compensated monochromator for the spectral selection of extreme-ultraviolet high-order laser harmonics. <i>Review of Scientific Instruments</i> , 2009, 80, 123109. | 0.6 | 62 |
| 53 | Femtosecond vibrational and torsional energy redistribution in photoexcited oligothiophenes. <i>Chemical Physics Letters</i> , 1996, 251, 339-345. | 1.2 | 60 |
| 54 | Optimal spectral broadening in hollow-fiber compressor systems. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 285-289. | 1.1 | 58 |

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|----|---|-----|-----------|
| 55 | X-ray spectroscopy observation of fast ions generation in plasma produced by short low-contrast laser pulse irradiation of solid targets. <i>Laser and Particle Beams</i> , 2007, 25, 267-275. | 0.4 | 58 |
| 56 | Mirror-dispersion-controlled sub-10-fs optical parametric amplifier in the visible. <i>Optics Letters</i> , 1999, 24, 1529. | 1.7 | 56 |
| 57 | Ultrafast exciton dynamics in highly oriented polydiacetylene films. <i>Applied Physics Letters</i> , 1994, 65, 590-592. | 1.5 | 52 |
| 58 | Spectral Features and Modeling of High-Order Harmonics Generated by Sub-10-fs Pulses. <i>Physical Review Letters</i> , 2000, 85, 2494-2497. | 2.9 | 51 |
| 59 | Generation of deep ultraviolet sub-2-fs pulses. <i>Optics Letters</i> , 2019, 44, 1308. | 1.7 | 47 |
| 60 | Emission properties of para-hexaphenyl polycrystalline films. <i>Physical Review B</i> , 1997, 56, 10133-10137. | 1.1 | 46 |
| 61 | Parametric generation of high-energy 145-fs light pulses at 15 μ m. <i>Optics Letters</i> , 1998, 23, 630. | 1.7 | 46 |
| 62 | Above-threshold ionization of diatomic molecules by few-cycle laser pulses. <i>Physical Review A</i> , 2011, 84, . | 1.0 | 43 |
| 63 | Femtosecond spectral relaxation of π -conjugated hexamethylsexithiophene in solution. <i>Physical Review B</i> , 1995, 51, 13770-13773. | 1.1 | 42 |
| 64 | Phase-matching analysis of high-order harmonics generated by truncated Bessel beams in the sub-10-fs regime. <i>Physical Review A</i> , 2003, 68, . | 1.0 | 42 |
| 65 | Shaping of attosecond pulses by phase-stabilized polarization gating. <i>Physical Review A</i> , 2009, 80, . | 1.0 | 42 |
| 66 | Cooperative effects in blue light emission of poly-(para-phenylene)-type ladderpolymer. <i>Applied Physics Letters</i> , 1997, 71, 2725-2727. | 1.5 | 41 |
| 67 | Attosecond spectroscopy for the investigation of ultrafast dynamics in atomic, molecular and solid-state physics. <i>Reports on Progress in Physics</i> , 2022, 85, 066401. | 8.1 | 40 |
| 68 | Real-time observation of a correlation-driven sub 3 μ s charge migration in ionised adenine. <i>Communications Chemistry</i> , 2021, 4, . | 2.0 | 38 |
| 69 | Advances in laser technology for isolated attosecond pulse generation. <i>Laser Physics Letters</i> , 2009, 6, 259-267. | 0.6 | 37 |
| 70 | Transient Spectroscopy of Frenkel and Charge Transfer Excitons in π -Sexithienyl Films. <i>Physical Review Letters</i> , 1997, 79, 3066-3069. | 2.9 | 36 |
| 71 | Observation of autoionization dynamics and sub-cycle quantum beating in electronic molecular wave packets. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 065102. | 0.6 | 36 |
| 72 | Photoexcitations in para-hexaphenyl. <i>Physical Review B</i> , 1997, 56, 10128-10132. | 1.1 | 35 |

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|----|---|------|-----------|
| 73 | Carrier-Envelope Phase Effects of a Single Attosecond Pulse in Two-Color Photoionization. <i>Physical Review Letters</i> , 2013, 111, 123901. | 2.9 | 35 |
| 74 | Carrier-envelope-phase dependence of asymmetric C D bond breaking in C ₂ D ₂ in an intense few-cycle laser field. <i>Chemical Physics Letters</i> , 2014, 595-596, 61-66. | 1.2 | 35 |
| 75 | Vectorial optical field reconstruction by attosecond spatial interferometry. <i>Nature Photonics</i> , 2017, 11, 383-389. | 15.6 | 34 |
| 76 | The role of amplified spontaneous emission in the ultrafast relaxation dynamics of polymer films. <i>Chemical Physics Letters</i> , 1998, 289, 205-210. | 1.2 | 33 |
| 77 | Ultrafast photoinduced ring-closure dynamics of a diarylethene polymer. <i>Chemical Physics Letters</i> , 2002, 359, 278-282. | 1.2 | 33 |
| 78 | Characterization of a high-energy self-phase-stabilized near-infrared parametric source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, B112. | 0.9 | 33 |
| 79 | Polarization control of absorption of virtual dressed states in helium. <i>Physical Review A</i> , 2015, 92, . | 1.0 | 33 |
| 80 | Ultrafast energy-transfer dynamics in a blend of electroluminescent conjugated polymers. <i>Chemical Physics Letters</i> , 1998, 288, 561-566. | 1.2 | 32 |
| 81 | Unravelling the intertwined atomic and bulk nature of localised excitons by attosecond spectroscopy. <i>Nature Communications</i> , 2021, 12, 1021. | 5.8 | 32 |
| 82 | Single-Electron Subpicosecond Coherent Dynamics in KBrFCenters. <i>Physical Review Letters</i> , 1996, 77, 3463-3466. | 2.9 | 31 |
| 83 | Few-optical-cycle laser pulses: from high peak power to frequency tunability. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2000, 6, 948-958. | 1.9 | 31 |
| 84 | Probing two-centre interference in molecular high harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S457-S466. | 0.6 | 31 |
| 85 | Control of long electron quantum paths in high-order harmonic generation by phase-stabilized light pulses. <i>Physical Review A</i> , 2006, 73, . | 1.0 | 31 |
| 86 | Advances in high-order harmonic generation sources for time-resolved investigations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 204, 257-268. | 0.8 | 31 |
| 87 | Femtosecond relaxation of photoexcitations in a solution of a poly(para-phenylene)-type ladder polymer. <i>Chemical Physics Letters</i> , 1995, 246, 95-100. | 1.2 | 30 |
| 88 | Autoionization and ultrafast relaxation dynamics of highly excited states in N ₂ . <i>Physical Review A</i> , 2012, 86, . | 1.0 | 30 |
| 89 | Measurement of Harmonic Phase Differences by Interference of Attosecond Light Pulses. <i>Physical Review Letters</i> , 2005, 94, 193903. | 2.9 | 29 |
| 90 | Generation of high-energy self-phase-stabilized pulses by difference-frequency generation followed by optical parametric amplification. <i>Optics Letters</i> , 2006, 31, 963. | 1.7 | 29 |

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|-----|--|-----|-----------|
| 91 | Attosecond Technology and Science. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 507-519. | 1.9 | 28 |
| 92 | Ultrafast light-emission processes in poly(para-phenylene)-type ladder polymer films. Physical Review B, 1999, 59, 11328-11332. | 1.1 | 25 |
| 93 | Ultrafast optical relaxation dynamics in metallic nanoparticles: from bulk-like toward spatial confinement regime. Chemical Physics, 2000, 251, 259-267. | 0.9 | 25 |
| 94 | Ultra-broadband continuum generation by hollow-fiber cascading. Applied Physics B: Lasers and Optics, 2002, 75, 601-604. | 1.1 | 25 |
| 95 | High-order laser harmonics and synchrotron study of transition metals M _{2,3} edges. Physical Review B, 2006, 73, . | 1.1 | 25 |
| 96 | Mapping the Dissociative Ionization Dynamics of Molecular Nitrogen with Attosecond Time Resolution. Physical Review X, 2015, 5, . | 2.8 | 25 |
| 97 | Reconstruction of attosecond electron wave packets using quantum state holography. Physical Review A, 2013, 88, . | 1.0 | 24 |
| 98 | Few-femtosecond extreme-ultraviolet pulses fully reconstructed by a ptychographic technique. Optics Express, 2018, 26, 6771. | 1.7 | 23 |
| 99 | Complete analog control of the carrier-envelope-phase of a high-power laser amplifier. Optics Express, 2013, 21, 25248. | 1.7 | 22 |
| 100 | Subpicosecond vibronic dynamics in KBrF centers. Physical Review B, 1997, 56, 1179-1195. | 1.1 | 21 |
| 101 | Mirror dispersion control of a hollow fiber supercontinuum. Applied Physics B: Lasers and Optics, 2004, 78, 551-555. | 1.1 | 21 |
| 102 | Attosecond metrology in the few-optical-cycle regime. New Journal of Physics, 2008, 10, 025006. | 1.2 | 21 |
| 103 | Micro-focusing of attosecond pulses by grazing-incidence toroidal mirrors. Optics Express, 2013, 21, 13040. | 1.7 | 21 |
| 104 | Attosecond pulse generation at ELI-ALPS 100 kHz repetition rate beamline. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 154004. | 0.6 | 21 |
| 105 | Ultrafast Quantum Interference in the Charge Migration of Tryptophan. Journal of Physical Chemistry Letters, 2020, 11, 891-899. | 2.1 | 21 |
| 106 | Femtosecond transient absorption saturation in poly(alkyl-thiophene-vinylene)s. Physical Review B, 1993, 47, 10881-10884. | 1.1 | 20 |
| 107 | Ultrafast carrier dynamics in germanium nanoparticles. Applied Physics Letters, 1999, 75, 208-210. | 1.5 | 20 |
| 108 | Elemental sensitivity in soft x-ray imaging with a laser-plasma source and a color center detector. Optics Letters, 2007, 32, 2593. | 1.7 | 20 |

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|-----|---|------|-----------|
| 109 | Ultrafast dynamics in the DNA building blocks thymidine and thymine initiated by ionizing radiation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19815-19821. | 1.3 | 20 |
| 110 | Ultrafast Charge Dynamics in an Amino Acid Induced by Attosecond Pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 1-12. | 1.9 | 19 |
| 111 | Dependence upon the molecular and atomic ground state of higher-order harmonic generation in the few-optical-cycle regime. <i>Physical Review A</i> , 2005, 71, . | 1.0 | 18 |
| 112 | High-throughput beamline for attosecond pulses based on toroidal mirrors with microfocusing capabilities. <i>Review of Scientific Instruments</i> , 2014, 85, 103115. | 0.6 | 18 |
| 113 | In situ measurement of nonlinear carrier-envelope phase changes in hollow fiber compression. <i>Optics Letters</i> , 2014, 39, 2302. | 1.7 | 18 |
| 114 | High order harmonics driven by a self-phase-stabilized IR parametric source. <i>Laser Physics</i> , 2010, 20, 1019-1027. | 0.6 | 17 |
| 115 | Quantum path control in harmonic generation by temporal shaping of few-optical-cycle pulses in ionizing media. <i>Physical Review A</i> , 2011, 84, . | 1.0 | 17 |
| 116 | Novel beamline for attosecond transient reflection spectroscopy in a sequential two-foci geometry. <i>Review of Scientific Instruments</i> , 2020, 91, 053002. | 0.6 | 17 |
| 117 | Fivefold femtosecond pulse compression by sum frequency generation. <i>Applied Physics Letters</i> , 1996, 68, 3540-3542. | 1.5 | 16 |
| 118 | Control of the polarization of isolated attosecond pulses in atoms with nonvanishing angular quantum number. <i>Physical Review A</i> , 2012, 85, . | 1.0 | 16 |
| 119 | Ultrafast Hydrogen Migration in Photoionized Glycine. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6012-6016. | 2.1 | 16 |
| 120 | Double-blind holography of attosecond pulses. <i>Nature Photonics</i> , 2019, 13, 91-95. | 15.6 | 16 |
| 121 | Ultrafast optical probes of electronic excited states in linear trans-quinacridone. <i>Chemical Physics Letters</i> , 1996, 257, 545-551. | 1.2 | 15 |
| 122 | Visible and near-infrared ultrafast optical dynamics of hexamethylsexithiophene in solution. <i>Physical Review B</i> , 1996, 53, 4453-4457. | 1.1 | 15 |
| 123 | Table-top soft x-ray imaging of nanometric films. <i>Applied Physics Letters</i> , 2006, 89, 111122. | 1.5 | 15 |
| 124 | High-order harmonic generation in alkanes. <i>Physical Review A</i> , 2006, 73, . | 1.0 | 15 |
| 125 | Charge migration in photo-ionized aromatic amino acids. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20170472. | 1.6 | 15 |
| 126 | Exciton dynamics in $\hat{1}\pm$ -sexithienyl films. <i>Chemical Physics Letters</i> , 1997, 264, 667-672. | 1.2 | 14 |

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|-----|---|-----|-----------|
| 127 | Seeding experiments at SPARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 132-136. | 0.7 | 14 |
| 128 | Phase-contrast imaging of nanostructures by soft x rays from a femtosecond-laser plasma. JETP Letters, 2008, 87, 238-242. | 0.4 | 14 |
| 129 | Temporal characterization of a time-compensated monochromator for high-efficiency selection of extreme-ultraviolet pulses generated by high-order harmonics. Journal of the Optical Society of America B: Optical Physics, 2008, 25, B44. | 0.9 | 14 |
| 130 | Temporal gating methods for the generation of isolated attosecond pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074002. | 0.6 | 14 |
| 131 | Study of exciton dynamics in InGaAs/InP quantum wells using a femtosecond optical parametric amplifier. Applied Physics Letters, 1995, 66, 227-229. | 1.5 | 13 |
| 132 | Towards atomic unit pulse duration by polarization-controlled few-cycle pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 134005. | 0.6 | 13 |
| 133 | Femtosecond optical dynamics of $\hat{1}\pm$ -conjugated hexamethylsexithiophene in solution. Synthetic Metals, 1996, 76, 39-41. | 2.1 | 12 |
| 134 | Nonlinear guided propagation of few-optical-cycle laser pulses with arbitrary polarization states. Physical Review A, 2002, 66, . | 1.0 | 12 |
| 135 | Few-Cycle Pulses by External Compression. Topics in Applied Physics, 0, , 137-178. | 0.4 | 12 |
| 136 | Frequency chirp of long electron quantum paths in high-order harmonic generation. Optics Express, 2006, 14, 2242. | 1.7 | 12 |
| 137 | Multicolor electroluminescence and stimulated emission of conjugated polymers and oligomers. , 1996, 2852, 189. | | 11 |
| 138 | Ultrafast spectroscopy of photoexcitations in $\hat{1}\pm$ -sexithienyl films: evidence for excitons and polaron-pairs. Synthetic Metals, 1997, 84, 517-520. | 2.1 | 11 |
| 139 | Mirror-dispersion-controlled OPA: a compact tool for sub-10-fs spectroscopy in the visible. Applied Physics B: Lasers and Optics, 2000, 70, S253-S259. | 1.1 | 11 |
| 140 | Intrachain charge generation and recombination in alkoxy-substituted poly-(p-phenylenevinylene) films. Physical Review B, 2001, 64, . | 1.1 | 11 |
| 141 | Complete characterization of a coherent superposition of atomic states by asymmetric attosecond photoionization. Physical Review A, 2012, 85, . | 1.0 | 11 |
| 142 | Self-referenced spectral interferometry for single-shot measurement of sub-5-fs pulses. Review of Scientific Instruments, 2015, 86, 113106. | 0.6 | 11 |
| 143 | Attosecond streaking metrology with isolated nanotargets. Journal of Optics (United Kingdom), 2018, 20, 024002. | 1.0 | 11 |
| 144 | Highly stable 60 fs pulses from a cavity dumped hybridly mode-locked dye laser. Optics Communications, 1992, 92, 271-276. | 1.0 | 10 |

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|-----|---|------|-----------|
| 145 | Femtosecond laser-induced electron emission from ferroelectrics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 567-571. | 0.7 | 10 |
| 146 | Ultra-fast spectroscopy and extreme nonlinear optics by few-optical-cycle laser pulses. Applied Physics B: Lasers and Optics, 2000, 71, 779-786. | 1.1 | 10 |
| 147 | Poly(3-decylthiophene) as π -conjugated active material in waveguides. Synthetic Metals, 1994, 67, 293-297. | 2.1 | 9 |
| 148 | Hollow-fiber compression of visible, 200 fs laser pulses to 40 fs pulse duration. Optics Letters, 2007, 32, 1866. | 1.7 | 9 |
| 149 | Attosecond photoionization for reconstruction of bound-electron wave packets. Physical Review A, 2014, 90, . | 1.0 | 9 |
| 150 | Robustness of the ePIE algorithm for the complete characterization of femtosecond, extreme ultra-violet pulses. Optics Express, 2020, 28, 10210. | 1.7 | 9 |
| 151 | New configuration for highly stable hybrid mode-locked femtosecond dye lasers. IEEE Journal of Quantum Electronics, 1992, 28, 1825-1829. | 1.0 | 8 |
| 152 | Features of high-order harmonic generation in the 30 fs and the sub-10 fs regimes. Journal of Optics, 2000, 2, 289-293. | 1.5 | 8 |
| 153 | Brave new attoworld. Nature Photonics, 2007, 1, 499-500. | 15.6 | 8 |
| 154 | Principles and Applications of Attosecond Technology. Advances in Atomic, Molecular and Optical Physics, 2011, 60, 371-413. | 2.3 | 8 |
| 155 | Time-frequency mapping of two-colour photoemission driven by harmonic radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 154003. | 0.6 | 8 |
| 156 | Measurement of Isolated Attosecond Pulses in the Few-Cycle Regime. , 2006, , . | | 8 |
| 157 | Ultrafast exciton dynamics in a polymeric heterostructure based on thienylene-phenylene sequences. Chemical Physics Letters, 1995, 234, 348-353. | 1.2 | 7 |
| 158 | Relative efficiency of transient and stationary changes in excitonic optical properties of InGaAs/InP quantum wells. Applied Physics Letters, 1995, 67, 953-955. | 1.5 | 7 |
| 159 | Imaging of recombination events in high-order harmonic generation by phase-stabilized few-optical-cycle pulses. Journal of Modern Optics, 2006, 53, 67-74. | 0.6 | 7 |
| 160 | Analysis of the simultaneous measurements of iron K- and L-shell radiation from ultrashort laser produced plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 065602. | 0.6 | 7 |
| 161 | Mapping the spectral phase of isolated attosecond pulses by extreme-ultraviolet emission spectrum. Optics Express, 2015, 23, 9858. | 1.7 | 7 |
| 162 | Ultrafast non-linear optical response and acoustic phonon generation in poly (alkoxy-thiophene) film with regioregular structure. Chemical Physics Letters, 1994, 220, 64-69. | 1.2 | 6 |

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|-----|--|-----|-----------|
| 163 | Surface damage of extreme-ultraviolet gratings exposed to high-energy 20-fs laser pulses. Applied Optics, 1999, 38, 4720. | 2.1 | 6 |
| 164 | The role of beam profile in high-order harmonic generation by few-optical-cycle pulses. Applied Physics B: Lasers and Optics, 2002, 74, s11-s15. | 1.1 | 6 |
| 165 | Generation of fast ions in femto-and picosecond laser plasmas at low intensities of the heating radiation. JETP Letters, 2006, 84, 308-313. | 0.4 | 6 |
| 166 | Molecular orbital dependence of high-order harmonic generation. Journal of Modern Optics, 2006, 53, 97-111. | 0.6 | 6 |
| 167 | Refined Ptychographic Reconstruction of Attosecond Pulses. Applied Sciences (Switzerland), 2018, 8, 2563. | 1.3 | 6 |
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