

Giuseppe Sansone

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,188
citations

331670

21
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

2429
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Isolated Single-Cycle Attosecond Pulses. <i>Science</i> , 2006, 314, 443-446. | 12.6 | 1,496 |
| 2 | Controlling attosecond electron dynamics by phase-stabilized polarization gating. <i>Nature Physics</i> , 2006, 2, 319-322. | 16.7 | 399 |
| 3 | Coherent control with a short-wavelength free-electron laser. <i>Nature Photonics</i> , 2016, 10, 176-179. | 31.4 | 197 |
| 4 | The ELI-ALPS facility: the next generation of attosecond sources. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 132002. | 1.5 | 128 |
| 5 | Attosecond pulse shaping using a seeded free-electron laser. <i>Nature</i> , 2020, 578, 386-391. | 27.8 | 116 |
| 6 | Nonadiabatic quantum path analysis of high-order harmonic generation: Role of the carrier-envelope phase on short and long paths. <i>Physical Review A</i> , 2004, 70, . | 2.5 | 96 |
| 7 | Toward an Accurate Estimate of the Exfoliation Energy of Black Phosphorus: A Periodic Quantum Chemical Approach. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 131-136. | 4.6 | 62 |
| 8 | Molecular applications of attosecond laser pulses. <i>Chemical Physics Letters</i> , 2013, 578, 1-14. | 2.6 | 58 |
| 9 | Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 171001. | 1.5 | 52 |
| 10 | Electron Correlation in Real Time. <i>ChemPhysChem</i> , 2012, 13, 661-680. | 2.1 | 50 |
| 11 | Attosecond Streaking in the Water Window: A New Regime of Attosecond Pulse Characterization. <i>Physical Review X</i> , 2017, 7, . | 8.9 | 50 |
| 12 | Generation of Attosecond Light Pulses from Gas and Solid State Media. <i>Photonics</i> , 2017, 4, 26. | 2.0 | 50 |
| 13 | Shaping of attosecond pulses by phase-stabilized polarization gating. <i>Physical Review A</i> , 2009, 80, . | 2.5 | 42 |
| 14 | Saddle point approaches in strong field physics and generation of attosecond pulses. <i>Physics Reports</i> , 2019, 833, 1-52. | 25.6 | 40 |
| 15 | Quantum path analysis of isolated attosecond pulse generation by polarization gating. <i>Physical Review A</i> , 2009, 79, . | 2.5 | 37 |
| 16 | Vectorial optical field reconstruction by attosecond spatial interferometry. <i>Nature Photonics</i> , 2017, 11, 383-389. | 31.4 | 34 |
| 17 | <i>Ab initio</i> electronic transport and thermoelectric properties of solids from full and range-separated hybrid functionals. <i>Journal of Chemical Physics</i> , 2017, 147, 114101. | 3.0 | 32 |
| 18 | Control of long electron quantum paths in high-order harmonic generation by phase-stabilized light pulses. <i>Physical Review A</i> , 2006, 73, . | 2.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Attosecond photoionisation time delays reveal the anisotropy of the molecular potential in the recoil frame. <i>Nature Communications</i> , 2022, 13, 1242. | 12.8 | 28 |
| 20 | Coherent control schemes for the photoionization of neon and helium in the Extreme Ultraviolet spectral region. <i>Scientific Reports</i> , 2018, 8, 7774. | 3.3 | 25 |
| 21 | Non-linear processes in the extreme ultraviolet. <i>JPhys Photonics</i> , 2020, 2, 042003. | 4.6 | 24 |
| 22 | New Method for Measuring Angle-Resolved Phases in Photoemission. <i>Physical Review X</i> , 2020, 10, . | 8.9 | 23 |
| 23 | Range-separated double-hybrid density-functional theory applied to periodic systems. <i>Journal of Chemical Physics</i> , 2015, 143, 102811. | 3.0 | 21 |
| 24 | Complete Characterization of Phase and Amplitude of Bichromatic Extreme Ultraviolet Light. <i>Physical Review Letters</i> , 2019, 123, 213904. | 7.8 | 21 |
| 25 | Oneâ€Dimensional Phosphorus Nanostructures: from Nanorings to Nanohelices. <i>Chemistry - A European Journal</i> , 2017, 23, 15884-15888. | 3.3 | 18 |
| 26 | The A-center defect in diamond: quantum mechanical characterization through the infrared spectrum. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14478-14485. | 2.8 | 16 |
| 27 | The effect of electron correlation on the adsorption of hydrogen fluoride and water on magnesium fluoride surfaces. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18722-18728. | 2.8 | 9 |
| 28 | Collinear setup for delay control in two-color attosecond measurements. <i>JPhys Photonics</i> , 2020, 2, 024006. | 4.6 | 9 |
| 29 | Detailed study of quantum path interferences in high harmonic generation driven by chirped laser pulses. <i>New Journal of Physics</i> , 2021, 23, 123012. | 2.9 | 9 |
| 30 | Time-resolved photoelectron imaging of complex resonances in molecular nitrogen. <i>Journal of Chemical Physics</i> , 2021, 154, 144305. | 3.0 | 8 |
| 31 | Looking into strong-field dynamics. <i>Nature Photonics</i> , 2020, 14, 131-133. | 31.4 | 6 |
| 32 | Attosecond electronic recollision as field detector. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 104004. | 1.5 | 1 |
| 33 | Investigation of Quantum Path Interferences in High Harmonic Generation Driven by Chirped Laser Pulses. , 2022, , . | | 0 |