

Georg Herink

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,045
citations

687363

13
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

1546
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Real-time spectral interferometry probes the internal dynamics of femtosecond soliton molecules. <i>Science</i> , 2017, 356, 50-54. | 12.6 | 498 |
| 2 | Field-driven photoemission from nanostructures quenches the quiver motion. <i>Nature</i> , 2012, 483, 190-193. | 27.8 | 405 |
| 3 | Resolving the build-up of femtosecond mode-locking with single-shot spectroscopy at 90â€¦MHz frame rate. <i>Nature Photonics</i> , 2016, 10, 321-326. | 31.4 | 299 |
| 4 | Fluctuations and correlations in modulation instability. <i>Nature Photonics</i> , 2012, 6, 463-468. | 31.4 | 183 |
| 5 | Terahertz control of nanotip photoemission. <i>Nature Physics</i> , 2014, 10, 432-436. | 16.7 | 165 |
| 6 | Strong-field nano-optics. <i>Reviews of Modern Physics</i> , 2020, 92, . | 45.6 | 141 |
| 7 | Resonant excitation and all-optical switching of femtosecond soliton molecules. <i>Nature Photonics</i> , 2020, 14, 9-13. | 31.4 | 83 |
| 8 | Field emission at terahertz frequencies: AC-tunneling and ultrafast carrier dynamics. <i>New Journal of Physics</i> , 2014, 16, 123005. | 2.9 | 71 |
| 9 | Field localization and rescattering in tip-enhanced photoemission. <i>Annalen Der Physik</i> , 2013, 525, L12. | 2.4 | 37 |
| 10 | Optical field emission from resonant gold nanorods driven by femtosecond mid-infrared pulses. <i>AIP Advances</i> , 2015, 5, . | 1.3 | 36 |
| 11 | Soliton molecules in femtosecond fiber lasers: universal binding mechanism and direct electronic control. <i>Optica</i> , 2021, 8, 1334. | 9.3 | 34 |
| 12 | Strong-field photoemission in nanotip near-fields: from quiver to sub-cycle electron dynamics. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1. | 2.2 | 31 |
| 13 | Ultrafast imaging of terahertz electric waveforms using quantum dots. <i>Light: Science and Applications</i> , 2022, 11, 5. | 16.6 | 21 |
| 14 | Phase space manipulation of free-electron pulses from metal nanotips using combined terahertz near fields and external biasing. <i>Physical Review B</i> , 2017, 95, . | 3.2 | 13 |
| 15 | Broadband Optical Activity Spectroscopy with Interferometric Fourier-Transform Balanced Detection. <i>ACS Photonics</i> , 2021, 8, 2234-2242. | 6.6 | 10 |
| 16 | Intracavity Raman scattering couples soliton molecules with terahertz phonons. <i>Nature Communications</i> , 2022, 13, 2066. | 12.8 | 9 |
| 17 | Harmonically mode-locked Yb:CALGO laser oscillator. <i>Optics Express</i> , 2017, 25, 14164. | 3.4 | 6 |
| 18 | Clocking plasmon nanofocusing by THz near-field streaking. <i>Applied Physics Letters</i> , 2017, 111, 131102. | 3.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Photoeffekt an Nanostrukturen: der klassische Grenzfall. Physik in Unserer Zeit, 2012, 43, 165-166. | 0.0 | 0 |
| 20 | Strong-field photoemission from nanostructures driven by few-cycle mid-infrared fields. EPJ Web of Conferences, 2013, 41, 09013. | 0.3 | 0 |
| 21 | THz-Controlled Photoelectron Emission from Nanotips. , 2014, , . | | 0 |
| 22 | Electron Tunneling and Acceleration at Gold Nanostructures Driven by Ultrashort Mid-Infrared Pulses. , 2014, , . | | 0 |
| 23 | Controlling ultrafast photoelectron dynamics in nanostructure-enhanced THz fields. , 2014, , . | | 0 |
| 24 | Electron pulse reshaping by THz streaking at metal nanotips. , 2016, , . | | 0 |
| 25 | Highly Nonlinear and Ultrafast Optical Phenomena in Metallic Nanostructures. Springer Series on Atomic, Optical, and Plasma Physics, 2016, , 233-258. | 0.2 | 0 |
| 26 | THz near-field streaking spectroscopy at biased metal nanotips. , 2017, , . | | 0 |
| 27 | Real-time detection of soliton interactions in a few-cycle femtosecond oscillator. , 2017, , . | | 0 |
| 28 | Terahertz Nano-Streaking: Resolving Nearfields and Plasmon Propagation. , 2018, , . | | 0 |
| 29 | Active Control of Femtosecond Soliton Molecules. , 2019, , . | | 0 |
| 30 | All-optical switching and real-time spectroscopy of soliton molecules in a few-cycle laser oscillator. EPJ Web of Conferences, 2019, 205, 03005. | 0.3 | 0 |
| 31 | Ultrafast Raman-induced Coupling of Femtosecond Soliton Molecules via Optical Terahertz Phonons. , 2021, , . | | 0 |
| 32 | Photoelectron Emission from Resonant Nanoantennas Driven by Femtosecond Mid-infrared Pulses. , 2014, , . | | 0 |
| 33 | Strong-Field Photoemission from Metallic Nanotips. Nano-optics and Nanophotonics, 2015, , 185-192. | 0.2 | 0 |
| 34 | The Start of Femtosecond Mode-locking and Transient Soliton Dynamics Captured with Real-time Spectroscopy. , 2016, , . | | 0 |
| 35 | Rapid and high-sensitivity measurements of broadband optical activity with interferometric Fourier-transform balanced detection. , 2022, , . | | 0 |