

Georg Herink

List of Publications by Year in descending order

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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	Ultrafast imaging of terahertz electric waveforms using quantum dots. <i>Light: Science and Applications</i> , 2022, 11, 5.	16.6	21
2	Rapid and high-sensitivity measurements of broadband optical activity with interferometric Fourier-transform balanced detection. , 2022, , .		0
3	Intracavity Raman scattering couples soliton molecules with terahertz phonons. <i>Nature Communications</i> , 2022, 13, 2066.	12.8	9
4	Broadband Optical Activity Spectroscopy with Interferometric Fourier-Transform Balanced Detection. <i>ACS Photonics</i> , 2021, 8, 2234-2242.	6.6	10
5	Soliton molecules in femtosecond fiber lasers: universal binding mechanism and direct electronic control. <i>Optica</i> , 2021, 8, 1334.	9.3	34
6	Ultrafast Raman-induced Coupling of Femtosecond Soliton Molecules via Optical Terahertz Phonons. , 2021, , .		0
7	Resonant excitation and all-optical switching of femtosecond soliton molecules. <i>Nature Photonics</i> , 2020, 14, 9-13.	31.4	83
8	Strong-field nano-optics. <i>Reviews of Modern Physics</i> , 2020, 92, .	45.6	141
9	Active Control of Femtosecond Soliton Molecules. , 2019, , .		0
10	All-optical switching and real-time spectroscopy of soliton molecules in a few-cycle laser oscillator. <i>EPJ Web of Conferences</i> , 2019, 205, 03005.	0.3	0
11	Terahertz Nano-Streaking: Resolving Nearfields and Plasmon Propagation. , 2018, , .		0
12	Real-time spectral interferometry probes the internal dynamics of femtosecond soliton molecules. <i>Science</i> , 2017, 356, 50-54.	12.6	498
13	Clocking plasmon nanofocusing by THz near-field streaking. <i>Applied Physics Letters</i> , 2017, 111, 131102.	3.3	3
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	Harmonically mode-locked Yb:CALGO laser oscillator. <i>Optics Express</i> , 2017, 25, 14164.	3.4	6
16	THz near-field streaking spectroscopy at biased metal nanotips. , 2017, , .		0
17	Real-time detection of soliton interactions in a few-cycle femtosecond oscillator. , 2017, , .		0
18	Electron pulse reshaping by THz streaking at metal nanotips. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Strong-field photoemission in nanotip near-fields: from quiver to sub-cycle electron dynamics. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	31
20	Resolving the build-up of femtosecond mode-locking with single-shot spectroscopy at 90â€¦MHz frame rate. Nature Photonics, 2016, 10, 321-326.	31.4	299
21	Highly Nonlinear and Ultrafast Optical Phenomena in Metallic Nanostructures. Springer Series on Atomic, Optical, and Plasma Physics, 2016, , 233-258.	0.2	0
22	The Start of Femtosecond Mode-locking and Transient Soliton Dynamics Captured with Real-time Spectroscopy. , 2016, , .		0
23	Optical field emission from resonant gold nanorods driven by femtosecond mid-infrared pulses. AIP Advances, 2015, 5, .	1.3	36
24	Strong-Field Photoemission from Metallic Nanotips. Nano-optics and Nanophotonics, 2015, , 185-192.	0.2	0
25	Field emission at terahertz frequencies: AC-tunneling and ultrafast carrier dynamics. New Journal of Physics, 2014, 16, 123005.	2.9	71
26	THz-Controlled Photoelectron Emission from Nanotips. , 2014, , .		0
27	Electron Tunneling and Acceleration at Gold Nanostructures Driven by Ultrashort Mid-Infrared Pulses. , 2014, , .		0
28	Controlling ultrafast photoelectron dynamics in nanostructure-enhanced THz fields. , 2014, , .		0
29	Terahertz control of nanotip photoemission. Nature Physics, 2014, 10, 432-436.	16.7	165
30	Photoelectron Emission from Resonant Nanoantennas Driven by Femtosecond Mid-infrared Pulses. , 2014, , .		0
31	Field localization and rescattering in tipâ€enhanced photoemission. Annalen Der Physik, 2013, 525, L12.	2.4	37
32	Strong-field photoemission from nanostructures driven by few-cycle mid-infrared fields. EPJ Web of Conferences, 2013, 41, 09013.	0.3	0
33	Photoeffekt an Nanostrukturen: der klassische Grenzfall. Physik in Unserer Zeit, 2012, 43, 165-166.	0.0	0
34	Field-driven photoemission from nanostructures quenches the quiver motion. Nature, 2012, 483, 190-193.	27.8	405
35	Fluctuations and correlations in modulation instability. Nature Photonics, 2012, 6, 463-468.	31.4	183