

# Valentina Shumakova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2269583/publications.pdf>

Version: 2024-02-01

26  
papers

234  
citations

1937685

4  
h-index

1720034

7  
g-index

26  
all docs

26  
docs citations

26  
times ranked

303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of extremely efficient terahertz generation from mid-infrared two-color laser filaments. Nature Communications, 2020, 11, 292.	12.8	186
2	Relativistic Interaction of Long-Wavelength Ultrashort Laser Pulses with Nanowires. Physical Review X, 2019, 9, .	8.9	19
3	Polarization Dependent Excitation and High Harmonic Generation from Intense Mid-IR Laser Pulses in ZnO. Nanomaterials, 2021, 11, 4.	4.1	9
4	Active stabilization of terahertz waveforms radiated from a two-color air plasma. Photonics Research, 2022, 10, 96.	7.0	7
5	Laser induced aerosol formation mediated by resonant excitation of volatile organic compounds. Optica, 2021, 8, 1256.	9.3	5
6	Strong Light-Field Driven Nanolasers. Nano Letters, 2019, 19, 3563-3568.	9.1	4
7	250-GW Sub-Three-Cycle Multi-Millijoule Mid-IR Pulses Self-Compressed in a YAG plate. , 2015, , .		2
8	Two-Color Mid-Infrared Laser Filaments Produce Terahertz Pulses with Extreme Efficiency. , 2019, , .		1
9	Role of free-carrier interaction in strong-field excitations in semiconductors. Physical Review B, 2021, 104, .	3.2	1
10	From three-photon to tunnel ionization pumped ZnO nanolasers. , 2017, , .		0
11	Filamentation of chirped mid-IR pulses in ambient air in the vicinity of zero dispersion. , 2017, , .		0
12	X-ray emission from nanostructured targets irradiated by a relativistically intense mid-infrared driver. , 2017, , .		0
13	Chirp-controlled filamentation of multi-mJ mid-IR pulses in ambient air. , 2017, , .		0
14	Role of CO <sub>2</sub> in filamentation of 3.9- $\mu$ m Mid IR pulses in ambient air. , 2017, , .		0
15	Gigawatt Peak Power Pulses in the 5- $\mu$ m Window Driven by an Yb Amplifier. , 2019, , .		0
16	Mapping Mid-Infrared Dispersion Landscape onto Near-Infrared and Visible through Filamentation of Laser Pulses at 3.9 $\mu$ m in Air. , 2019, , .		0
17	Broadband Terahertz Generation from Mid-Infrared 3.9 $\mu$ m OPCPA and Organic Crystals. , 2019, , .		0
18	Comparative Study of Harmonic Generation in Air and Argon in Light Filaments Driven by Circularly Polarized Mid-IR Pulses. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Nonlinear THz Field Applications in Free Space. , 2019, , .		0
20	Comparative Study of High Order Harmonic Generation in Monolayer-Thick Semiconductors. , 2019, , .		0
21	High Harmonic Generation in Arrays of CdSe Quantum Dots. , 2019, , .		0
22	Non-Linear Propagation of Ultrashort Mid-IR Pulses. , 2019, , .		0
23	Ellipticity dependent excitation and high harmonic generation from intense mid-IR laser pulses in ZnO. , 2021, , .		0
24	Contribution of free carriers to light absorption upon intense light-semiconductor interaction. , 2021, , .		0
25	Filamentation and Self-compression of High-Energy mid-IR Pulses. , 2016, , .		0
26	Carrier-Envelope-Phase Characterization Using Harmonic Spectral Interference in Mid-Infrared Laser Filament in Argon. , 2021, , .		0