

# Valentina Shumakova

## List of Publications by Year in descending order

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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	Active stabilization of terahertz waveforms radiated from a two-color air plasma. <i>Photonics Research</i> , 2022, 10, 96.	7.0	7
2	Ellipticity dependent excitation and high harmonic generation from intense mid-IR laser pulses in ZnO. , 2021, , .		0
3	Contribution of free carriers to light absorption upon intense light-semiconductor interaction. , 2021, , .		0
4	Role of free-carrier interaction in strong-field excitations in semiconductors. <i>Physical Review B</i> , 2021, 104, .	3.2	1
5	Laser induced aerosol formation mediated by resonant excitation of volatile organic compounds. <i>Optica</i> , 2021, 8, 1256.	9.3	5
6	Polarization Dependent Excitation and High Harmonic Generation from Intense Mid-IR Laser Pulses in ZnO. <i>Nanomaterials</i> , 2021, 11, 4.	4.1	9
7	Carrier-Envelope-Phase Characterization Using Harmonic Spectral Interference in Mid-Infrared Laser Filament in Argon. , 2021, , .		0
8	Observation of extremely efficient terahertz generation from mid-infrared two-color laser filaments. <i>Nature Communications</i> , 2020, 11, 292.	12.8	186
9	Gigawatt Peak Power Pulses in the 5â€“9 Î¼m Window Driven by an Yb Amplifier. , 2019, , .		0
10	Mapping Mid-Infrared Dispersion Landscape onto Near-Infrared and Visible through Filamentation of Laser Pulses at 3.9 Î¼m in Air. , 2019, , .		0
11	Broadband Terahertz Generation from Mid-Infrared 3.9 Î¼m OPCPA and Organic Crystals. , 2019, , .		0
12	Comparative Study of Harmonic Generation in Air and Argon in Light Filaments Driven by Circularly Polarized Mid-IR Pulses. , 2019, , .		0
13	Nonlinear THz Field Applications in Free Space. , 2019, , .		0
14	Strong Light-Field Driven Nanolasers. <i>Nano Letters</i> , 2019, 19, 3563-3568.	9.1	4
15	Relativistic Interaction of Long-Wavelength Ultrashort Laser Pulses with Nanowires. <i>Physical Review X</i> , 2019, 9, .	8.9	19
16	Two-Color Mid-Infrared Laser Filaments Produce Terahertz Pulses with Extreme Efficiency. , 2019, , .		1
17	Comparative Study of High Order Harmonic Generation in Monolayer-Thick Semiconductors. , 2019, , .		0
18	High Harmonic Generation in Arrays of CdSe Quantum Dots. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Non-Linear Propagation of Ultrashort Mid-IR Pulses. , 2019, , .		0
20	From three-photon to tunnel ionization pumped ZnO nanolasers. , 2017, , .		0
21	Filamentation of chirped mid-IR pulses in ambient air in the vicinity of zero dispersion. , 2017, , .		0
22	X-ray emission from nanostructured targets irradiated by a relativistically intense mid-infrared driver. , 2017, , .		0
23	Chirp-controlled filamentation of multi-mJ mid-IR pulses in ambient air. , 2017, , .		0
24	Role of CO <sub>2</sub> in filamentation of 3.9- $\mu$ m Mid IR pulses in ambient air. , 2017, , .		0
25	Filamentation and Self-compression of High-Energy mid-IR Pulses. , 2016, , .		0
26	250-GW Sub-Three-Cycle Multi-Millijoule Mid-IR Pulses Self-Compressed in a YAG plate. , 2015, , .		2