

# Bonggu Shim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4018078/publications.pdf>

Version: 2024-02-01

19  
papers

2,114  
citations

759055

12  
h-index

839398

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

2137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright Coherent Ultrahigh Harmonics in the keV X-ray Regime from Mid-Infrared Femtosecond Lasers. Science, 2012, 336, 1287-1291.	6.0	1,537
2	Ultraviolet surprise: Efficient soft x-ray high-harmonic generation in multiply ionized plasmas. Science, 2015, 350, 1225-1231.	6.0	165
3	Three-octave-spanning supercontinuum generation and sub-two-cycle self-compression of mid-infrared filaments in dielectrics. Optics Letters, 2015, 40, 1069.	1.7	90
4	Filamentation in air with ultrashort mid-infrared pulses. Optics Express, 2011, 19, 9118.	1.7	62
5	Multioctave supercontinuum generation and frequency conversion based on rotational nonlinearity. Science Advances, 2020, 6, .	4.7	46
6	Mid-infrared laser filaments in air at a kilohertz repetition rate. Optica, 2016, 3, 678.	4.8	41
7	Nanoalloy Printed and Pulse-Laser Sintered Flexible Sensor Devices with Enhanced Stability and Materials Compatibility. ACS Nano, 2015, 9, 6168-6177.	7.3	40
8	Loss of Phase of Collapsing Beams. Physical Review Letters, 2012, 108, 043902.	2.9	34
9	Higher-Order Nonlinearities Revisited and Their Effect on Harmonic Generation. Physical Review Letters, 2015, 114, 093901.	2.9	32
10	Long-wavelength-infrared laser filamentation in solids in the near-single-cycle regime. Optics Letters, 2020, 45, 2175.	1.7	13
11	Ionization-assisted spatiotemporal localization in gas-filled capillaries. Optics Letters, 2018, 43, 3112.	1.7	12
12	Wavelength scaling of electron collision time in plasma for strong field laser-matter interactions in solids. Communications Physics, 2021, 4, .	2.0	6
13	Study of wavelength-dependent pulse self-compression for high intensity pulse propagation in gas-filled capillaries. Optics Express, 2021, 29, 27416.	1.7	6
14	Dynamics of elliptical beams in the anomalous group-velocity dispersion regime. Optics Express, 2011, 19, 9139.	1.7	3
15	An interdisciplinary family-centered program: An innovative approach to better meet the multifaceted needs of grandparent-headed families. Journal of Family Social Work, 2018, 21, 227-243.	0.8	3
16	Meeting the Mathematics and Science Education Needs of Grandparent-Headed Families: Reflections on a School-University Partnership. Journal of Intergenerational Relationships, 2018, 16, 211-217.	0.5	2
17	Multi-octave-spanning supercontinuum generation through high-energy laser filaments in YAG and ZnSe pumped by a 2.4 $\mu\text{m}$ femtosecond Cr:ZnSe laser. High Power Laser Science and Engineering, 2021, 9, .	2.0	2
18	Efficient excitation of polarization vortices in a photonic bandgap fiber with ultrashort laser pulses. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	Extremely high coupling and transmission of high-powered-femtosecond pulses in hollow-core photonic band-gap fiber. , 2008, , .		1