

# Shambhu Ghimire

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2519630/publications.pdf>

Version: 2024-02-01

31  
papers

4,648  
citations

279798

23  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of high-order harmonic generation in a bulk crystal. Nature Physics, 2011, 7, 138-141.	16.7	1,249
2	High-harmonic generation from an atomically thin semiconductor. Nature Physics, 2017, 13, 262-265.	16.7	514
3	High-harmonic generation from solids. Nature Physics, 2019, 15, 10-16.	16.7	374
4	Solid-state harmonics beyond the atomic limit. Nature, 2016, 534, 520-523.	27.8	366
5	Anisotropic high-harmonic generation in bulk crystals. Nature Physics, 2017, 13, 345-349.	16.7	345
6	High-harmonic generation from Bloch electrons in solids. Physical Review A, 2015, 91, .	2.5	271
7	Generation and propagation of high-order harmonics in crystals. Physical Review A, 2012, 85, .	2.5	165
8	Attosecond science based on high harmonic generation from gases and solids. Nature Communications, 2020, 11, 2748.	12.8	155
9	High-harmonic generation in amorphous solids. Nature Communications, 2017, 8, 724.	12.8	145
10	High-harmonic generation from an epsilon-near-zero material. Nature Physics, 2019, 15, 1022-1026.	16.7	137
11	Laser waveform control of extreme ultraviolet high harmonics from solids. Optics Letters, 2017, 42, 1816.	3.3	116
12	Strong-field and attosecond physics in solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 204030.	1.5	108
13	Anomalous nonlinear X-ray Compton scattering. Nature Physics, 2015, 11, 964-970.	16.7	99
14	Redshift in the Optical Absorption of ZnO Single Crystals in the Presence of an Intense Midinfrared Laser Field. Physical Review Letters, 2011, 107, 167407.	7.8	88
15	Generation of the attosecond extreme ultraviolet supercontinuum by a polarization gating. Journal of Modern Optics, 2005, 52, 277-283.	1.3	83
16	Single-cycle terahertz pulses with $>0.2 \text{ V/\AA}$ field amplitudes via coherent transition radiation. Applied Physics Letters, 2011, 99, .	3.3	74
17	All-Optical Probe of Three-Dimensional Topological Insulators Based on High-Harmonic Generation by Circularly Polarized Laser Fields. Nano Letters, 2021, 21, 8970-8978.	9.1	59
18	Effect of orbital symmetry on high-order harmonic generation from molecules. Physical Review A, 2004, 69, .	2.5	46

#	ARTICLE	IF	CITATIONS
19	Strong-field physics in three-dimensional topological insulators. <i>Physical Review A</i> , 2021, 103, .	2.5	45
20	Nonsequential two-photon absorption from the K shell in solid zirconium. <i>Physical Review A</i> , 2016, 94, .	2.5	40
21	Interferometry of dipole phase in high harmonics from solids. <i>Nature Photonics</i> , 2019, 13, 96-100.	31.4	36
22	Orientation dependence of temporal and spectral properties of high-order harmonics in solids. <i>Physical Review A</i> , 2017, 96, .	2.5	35
23	Polarization Flipping of Even-Order Harmonics in Monolayer Transition-Metal Dichalcogenides. <i>Ultrafast Science</i> , 2021, 2021, .	11.2	34
24	Probing periodic potential of crystals via strong-field re-scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 114002.	1.5	20
25	Attosecond synchronization of extreme ultraviolet high harmonics from crystals. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 144003.	1.5	20
26	Crystal orientation-dependent polarization state of high-order harmonics. <i>Optics Letters</i> , 2019, 44, 530.	3.3	14
27	High intensity x-ray interaction with a model bio-molecule system: double-core-hole states and fragmentation of formamide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 244005.	1.5	5
28	Probing attosecond phenomena in solids. <i>Nature Photonics</i> , 2022, 16, 7-9.	31.4	3
29	Locking the waveform with a quartz crystal. <i>Nature Photonics</i> , 2018, 12, 256-257.	31.4	1
30	Measurement of coherence Lengths of Below Threshold Harmonics in Solid Argon. , 2013, , .		1
31	High-Harmonic Generation from Topological Insulators. , 2019, , .		0