Timur Osipov

List of Publications by Year in descending order

20 papers	754 citations	687363 13 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	1256 citing authors

#	Article	IF	Citations
1	Double-core-hole spectroscopy for chemical analysis with an intense X-ray femtosecond laser. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16912-16915.	7.1	165
2	Polarization control in an X-ray free-electron laser. Nature Photonics, 2016, 10, 468-472.	31.4	116
3	Ultrafast isomerization initiated by X-ray core ionization. Nature Communications, 2015, 6, 8199.	12.8	92
4	The Atomic, Molecular and Optical Science instrument at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2015, 22, 492-497.	2.4	61
5	Charge transfer in dissociating iodomethane and fluoromethane molecules ionized by intense femtosecond X-ray pulses. Structural Dynamics, 2016, 3, 043207.	2.3	59
6	Electrospray sample injection for single-particle imaging with x-ray lasers. Science Advances, 2019, 5, eaav8801.	10.3	49
7	Identification of absolute geometries of cis and trans molecular isomers by Coulomb Explosion Imaging. Scientific Reports, 2016, 6, 38202.	3.3	32
8	The role of transient resonances for ultra-fast imaging of single sucrose nanoclusters. Nature Communications, 2020, 11, 167.	12.8	27
9	The LAMP instrument at the Linac Coherent Light Source free-electron laser. Review of Scientific Instruments, 2018, 89, 035112.	1.3	24
10	Isomer-dependent fragmentation dynamics of inner-shell photoionized difluoroiodobenzene. Physical Chemistry Chemical Physics, 2017, 19, 13419-13431.	2.8	19
11	Intermolecular Coulombic Decay in Endohedral Fullerene at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>4</mml:mn><mml:mi>d</mml:mi><mml:mo stretchy="false">â†'</mml:mo><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:math> Resonance. Physical Review Letters, 2020, 124, 113002.	7.8	18
12	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. Communications Chemistry, 2021, 4, .	4.5	17
13	A coincidence velocity map imaging spectrometer for ions and high-energy electrons to study inner-shell photoionization of gas-phase molecules. Review of Scientific Instruments, 2019, 90, 055103.	1.3	14
14	Ptychographic wavefront characterization for single-particle imaging at x-ray lasers. Optica, 2021, 8, 551.	9.3	12
15	Soft-x-ray-induced ionization and fragmentation dynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sc</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mo>@</mml:mo><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>80</mml:mn></mml:msub></mml:mrow></mml:math> Investigated using an ion-ion-coincidence momentum-imaging technique. Physical Review A, 2017, 96, .	2.5	11
16	Electron-ion coincidence measurements of molecular dynamics with intense X-ray pulses. Scientific Reports, 2021, 11, 505.	3.3	11
17	The Role of Super-Atom Molecular Orbitals in Doped Fullerenes in a Femtosecond Intense Laser Field. Scientific Reports, 2017, 7, 121.	3.3	10
18	Few-femtosecond resolved imaging of laser-driven nanoplasma expansion. New Journal of Physics, 2022, 24, 043024.	2.9	7

#	Article	IF	Citations
19	The time-resolved atomic, molecular and optical science instrument at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2022, 29, 957-968.	2.4	5
20	Double Core Hole Spectroscopy of Small Molecules. , 2012, , .		0