

Roman Spesyvtsev

List of Publications by Year in descending order

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21
papers

2,046
citations

516710

16
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric study of high-energy ring-shaped electron beams from a laser wakefield accelerator. <i>New Journal of Physics</i> , 2022, 24, 013017.	2.9	2
2	Laser-wakefield accelerators for high-resolution X-ray imaging of complex microstructures. <i>Scientific Reports</i> , 2019, 9, 3249.	3.3	46
3	Generation of electron high energy beams with a ring-like structure by a dual stage laser wakefield accelerator. , 2019, , .		1
4	Wide-field multiphoton imaging through scattering media without correction. <i>Science Advances</i> , 2018, 4, eaau1338.	10.3	39
5	Real-time detection of $S(1\sigma_D^2)$ photofragments produced from the $1\sigma_B^2(1\hat{\Sigma}_u^+)$ state of CS ₂ by vacuum ultraviolet photoelectron imaging using 133 nm probe pulses. <i>Journal of Chemical Physics</i> , 2017, 147, 013932.	3.0	16
6	Harnessing speckle for a sub-femtometre resolved broadband wavemeter and laser stabilization. <i>Nature Communications</i> , 2017, 8, 15610.	12.8	80
7	Full observation of ultrafast cascaded radiationless transitions from $S_2(\hat{\Gamma}_g^-)$ state of pyrazine using vacuum ultraviolet photoelectron imaging. <i>Journal of Chemical Physics</i> , 2016, 145, 044306.	3.0	37
8	Wide-field three-dimensional optical imaging using temporal focusing for holographically trapped microparticles. <i>Optics Letters</i> , 2015, 40, 4847.	3.3	16
9	Observation of the wavepacket dynamics on the $1\sigma_B^2(1\hat{\Sigma}_u^+)$ state of CS ₂ by sub-20 fs photoelectron imaging using 159 nm probe pulses. <i>Journal of Chemical Physics</i> , 2015, 142, 074308.	3.0	30
10	Excited-state dynamics of furan studied by sub-20-fs time-resolved photoelectron imaging using 159-nm pulses. <i>Journal of Chemical Physics</i> , 2015, 143, 014302.	3.0	21
11	Generation of sub-17-fs vacuum ultraviolet pulses at 133-nm using cascaded four-wave mixing through filamentation in Ne. <i>Optics Letters</i> , 2014, 39, 6021.	3.3	26
12	Time-Resolved Photoelectron Spectroscopy for Excited State Dynamics. <i>Springer Series in Chemical Physics</i> , 2014, , 99-117.	0.2	2
13	Simultaneous generation of sub-20 fs deep and vacuum ultraviolet pulses in a single filamentation cell and application to time-resolved photoelectron imaging. <i>Optics Express</i> , 2013, 21, 22423.	3.4	38
14	Quantum dynamics study of the competing ultrafast intersystem crossing and internal conversion in the $\hat{\Sigma}$ -channel $3\hat{\Sigma}$ -region of benzene. <i>Journal of Chemical Physics</i> , 2012, 137, 204310.	3.0	37
15	Shedding new light on the role of the Rydberg state in the photochemistry of aniline. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9942.	2.8	40
16	Ultrafast dynamics of aniline following 269-238 nm excitation and the role of the $S_2(\hat{\Gamma}_g^*)$ state. <i>Faraday Discussions</i> , 2012, 157, 165.	3.2	48
17	Optimizations of transverse projected emittance at the photo-injector test facility at DESY, location Zeuthen. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 671, 62-75.	1.6	14
18	Detailed characterization of electron sources yielding first demonstration of European X-ray Free-Electron Laser beam quality. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010, 13, .	1.8	77

#	ARTICLE	IF	CITATIONS
19	Ultrafast dynamics through conical intersections and intramolecular vibrational energy redistribution in styrene. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15751.	2.8	21
20	New beam diagnostic developments at the Photo-Injector Test Facility PITZ. , 2007, , .		0
21	Operation of a free-electron laser from the extreme ultraviolet to the water window. <i>Nature Photonics</i> , 2007, 1, 336-342.	31.4	1,455