

# Roman Spesyvtsev

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Harnessing speckle for a sub-femtometre resolved broadband wavemeter and laser stabilization. <i>Nature Communications</i> , 2017, 8, 15610.	12.8	80
3	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
4	Ultrafast dynamics of aniline following 269–238 nm excitation and the role of the S <sub>2</sub> ( $\tilde{\nu}_3$ ) state. <i>Faraday Discussions</i> , 2012, 157, 165.	3.2	48
5	Laser-wakefield accelerators for high-resolution X-ray imaging of complex microstructures. <i>Scientific Reports</i> , 2019, 9, 3249.	3.3	46
6	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
7	Wide-field multiphoton imaging through scattering media without correction. <i>Science Advances</i> , 2018, 4, eaau1338.	10.3	39
8	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
9	Quantum dynamics study of the competing ultrafast intersystem crossing and internal conversion in the $\hat{a}$ -channel $\hat{3}$ -region of benzene. <i>Journal of Chemical Physics</i> , 2012, 137, 204310.	3.0	37
10	Full observation of ultrafast cascaded radiationless transitions from S <sub>2</sub> ( $\tilde{\nu}_3$ ) state of pyrazine using vacuum ultraviolet photoelectron imaging. <i>Journal of Chemical Physics</i> , 2016, 145, 044306.	3.0	37
11	Observation of the wavepacket dynamics on the 1 <i>B</i> <sub>2</sub> ( $\hat{1}\hat{\Sigma}^+$ ) state of CS <sub>2</sub> by sub-20 fs photoelectron imaging using 159 nm probe pulses. <i>Journal of Chemical Physics</i> , 2015, 142, 074308.	3.0	30
12	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
13	Ultrafast dynamics through conical intersections and intramolecular vibrational energy redistribution in styrene. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15751.	2.8	21
14	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
15	Wide-field three-dimensional optical imaging using temporal focusing for holographically trapped microparticles. <i>Optics Letters</i> , 2015, 40, 4847.	3.3	16
16	Real-time detection of S( $\hat{1}$ ) photofragments produced from the 1 <i>B</i> <sub>2</sub> ( $\hat{1}\hat{\Sigma}^+$ ) state of CS <sub>2</sub> by vacuum ultraviolet photoelectron imaging using 133 nm probe pulses. <i>Journal of Chemical Physics</i> , 2017, 147, 013932.	3.0	16
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	Time-Resolved Photoelectron Spectroscopy for Excited State Dynamics. <i>Springer Series in Chemical Physics</i> , 2014, , 99-117.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Parametric study of high-energy ring-shaped electron beams from a laser wakefield accelerator. New Journal of Physics, 2022, 24, 013017.	2.9	2
20	Generation of electron high energy beams with a ring-like structure by a dual stage laser wakefield accelerator. , 2019, , .		1
21	New beam diagnostic developments at the Photo-Injector Test Facility PITZ. , 2007, , .		0