

# Pavel Evtushenko

## List of Publications by Year in descending order

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35  
papers

215  
citations

1163117

8  
h-index

1125743

13  
g-index

35  
all docs

35  
docs citations

35  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	First operation of a superconducting RF-gun. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 314-317.	1.6	38
2	Results of beam parameter measurement of the ELBE electron accelerator after commissioning. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 354-356.	1.6	33
3	High power operation of the JLab IR FEL driver accelerator. , 2007, , .		17
4	Transmission of Megawatt Relativistic Electron Beams through Millimeter Apertures. Physical Review Letters, 2013, 111, 164801.	7.8	15
5	Successful user operation of a superconducting radio-frequency photoelectron gun with Mg cathodes. Physical Review Accelerators and Beams, 2021, 24, .	1.6	15
6	The 4th generation light source at Jefferson Lab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 14-17.	1.6	13
7	DC High Voltage Conditioning of Photoemission Guns at Jefferson Lab FEL. , 2009, , .		12
8	A proposed VUV oscillator-based FEL upgrade at Jefferson Lab. Journal of Modern Optics, 2011, 58, 1438-1451.	1.3	12
9	Superconducting RF guns for FELs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 528, 305-311.	1.6	8
10	The VUV/IR/THz free electron laser program at Jefferson Lab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 649, 9-11.	1.6	8
11	Multicomponent measurements of the Jefferson Lab energy recovery linac electron beam using optical transition and diffraction radiation. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	6
12	Mid-infrared free electron laser oscillator sources and semi-analytical formulae. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 545, 475-479.	1.6	5
13	Technology challenges for SRF guns as ERL sources in view of Rossendorf work. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 557, 80-86.	1.6	5
14	Measured radiation and background levels during transmission of megawatt electron beams through millimeter apertures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 233-240.	1.6	5
15	Test of the photocathode cooling system of the cell SRF gun. Physica C: Superconductivity and Its Applications, 2006, 441, 216-219.	1.2	4
16	Bunch Length Measurements at the JLab FEL Using Coherent Transition and Synchrotron Radiation. AIP Conference Proceedings, 2006, , .	0.4	4
17	Phase sensitive monitoring of electron bunch form and arrival time in superconducting linear accelerators. Applied Physics Letters, 2012, 100, 141103.	3.3	4
18	Photon Source Capabilities of the Jefferson Lab FEL. Journal of Physics: Conference Series, 2013, 425, 072002.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Transmission of high-power electron beams through small apertures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 69-76.	1.6	3
20	National high magnetic field laboratory fel injector design consideration. , 2007, , .		1
21	Design studies of high-luminoisty ring-ring electron-ion collider at CEBAF. , 2007, , .		1
22	RF Gun optimization study. , 2007, , .		1
23	Short Rayleigh length free electron laser: Experiments and simulations. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	1
24	Status of 3&#189; Cell Superconducting RF Gun Project in Rossendorf. , 0, , .		0
25	Development of BPM Electronics at the JLAB FEL. AIP Conference Proceedings, 2006, , , .	0.4	0
26	RMS emittance measurements using optical transition radiation interferometry at the Jefferson Lab FEL. , 2007, , .		0
27	Study of generic front-end designs for erl based light sources. , 2007, , .		0
28	Simplified charged particle beam transport modeling using commonly available commercial software. , 2007, , .		0
29	Jlamp: an amplifier-based fel in the jlab srf erl driver. , 2007, , .		0
30	Feasibility of near-field ODR imaging of multi-GeV electron beams at CEBAF. , 2007, , .		0
31	A simple gating technique for high-average-current photo-injectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 11-15.	1.6	0
32	Progress Towards an FEL Oscillator Operating in the VUV to Soft X-ray Spectral Range. Synchrotron Radiation News, 2012, 25, 32-39.	0.8	0
33	Evidence for anomalous optical transition radiation linear polarization effects in beam-profile monitors. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	0
34	Large dynamic range diagnostics for high current electron LINACs. , 2013, , .		0
35	Superconducting RF guns for FELs. , 2004, , 305-311.		0