# Pavel Evtushenko

List of Publications by Year
in descending order



| 35 | 215 | 1163117 8 | 1125743 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 35 | 35 | 35 | 243 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Successful user operation of a superconducting radio-frequency photoelectron gun with Mg cathodes. Physical Review Accelerators and Beams, 2021, 24, . | 1.6 | 15 |
| 2 | Transmission of Megawatt Relativistic Electron Beams through Millimeter Apertures. Physical Review Letters, 2013, 111, 164801. | 7.8 | 15 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Photon Source Capabilities of the Jefferson Lab FEL. Journal of Physics: Conference Series, 2013, 425, 072002. | 0.4 | 4 |
| 7 | Large dynamic range diagnostics for high current electron LINACs. , 2013, , . | | 0 |
| 8 | Phase sensitive monitoring of electron bunch form and arrival time in superconducting linear accelerators. Applied Physics Letters, 2012, 100, 141103. | 3.3 | 4 |
| 9 | 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 |
| 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 | 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 |
| 12 | A proposed VUV oscillator-based FEL upgrade at Jefferson Lab. Journal of Modern Optics, 2011, 58, 1438-1451. | 1.3 | 12 |
| 13 | DC High Voltage Conditioning of Photoemission Guns at Jefferson Lab FEL. , 2009, , . | | 12 |
| 14 | 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 |
| 15 | Short Rayleigh length free electron laser: Experiments and simulations. Physical Review Special Topics: Accelerators and Beams, 2008, 11, . | 1.8 | 1 |
| 16 | National high magnetic field laboratory fel injector design consideration. , 2007, , . | | 1 |
| 17 | RMS emittance measurements using optical transition radiation interferometry at the Jefferson Lab FEL. , 2007, , . | | 0 |
| 18 | Study of generic front-end designs for erl based light sources. , 2007, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Simplified charged particle beam transport modeling using commonly available commercial software. , 2007, , . | | 0 |
| 20 | Design studies of high-luminoisty ring-ring electron-ion collider at CEBAF. , 2007, , . | | 1 |
| 21 | RF Gun optimization study. , 2007, , . | | 1 |
| 22 | Jlamp: an amplifier-based fel in the jlab srf erl driver. , 2007, , . | | 0 |
| 23 | Feasibility of near-field ODR imaging of multi-GeV electron beams at CEBAF. , 2007, , . | | 0 |
| 24 | High power operation of the JLab IR FEL driver accelerator. , 2007, , . | | 17 |
| 25 | 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 |
| 26 | Test of the photocathode cooling system of the cell SRF gun. Physica C: Superconductivity and Its Applications, 2006, 441, 216-219. | 1.2 | 4 |
| 27 | 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 |
| 28 | Development of BPM Electronics at the JLAB FEL. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 29 | Bunch Length Measurements at the JLab FEL Using Coherent Transition and Synchrotron Radiation. AIP Conference Proceedings, 2006, , . | 0.4 | 4 |
| 30 | 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 |
| 31 | 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 |
| 32 | Superconducting RF guns for FELs. , 2004, , 305-311. | | 0 |
| 33 | 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 |
| 34 | 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 |
| 35 | Status of 3½ Cell Superconducting RF Gun Project in Rossendorf. , 0, , . | | 0 |