

# Vladimir N Litvinenko

## List of Publications by Year in descending order

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18  
papers

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citations

1307594

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1199594

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g-index

18  
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docs citations

18  
times ranked

209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using solenoid as multipurpose tool for measuring beam parameters. Review of Scientific Instruments, 2021, 92, 013301.	1.3	3
2	Plasma-cascade instability. Physical Review Accelerators and Beams, 2021, 24, .	1.6	6
3	Evolution of the self-injection process in long wavelength infrared laser driven LWFA. Physics of Plasmas, 2021, 28, .	1.9	11
4	High-energy high-luminosity $e^+e^-$ collider using energy-recovery linacs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135394.	4.1	14
5	Polarization control of a free-electron laser oscillator using helical undulators of opposite helicities. Physical Review Accelerators and Beams, 2020, 23, .	1.6	2
6	Simulation study of CO <sub>2</sub> laser-plasma interactions and self-modulated wakefield acceleration. Physics of Plasmas, 2019, 26, 083106.	1.9	14
7	Precision control of gamma-ray polarization using a crossed helical undulator free-electron laser. Nature Photonics, 2019, 13, 629-635.	31.4	15
8	Simulations of coherent electron cooling with two types of amplifiers. International Journal of Modern Physics A, 2019, 34, 1942029.	1.5	2
9	Investigating Instabilities of Long, Intense Laser Pulses in Plasma Wakefield Accelerators. , 2018, , .		0
10	Simulation studies of modulator for coherent electron cooling. Physical Review Accelerators and Beams, 2018, 21, .	1.6	7
11	Dynamics of shielding of a moving charged particle in a confined electron plasma. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	2
12	Compensating tune spread induced by space charge in bunched beams. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	13
13	Litvinenko and Derbenev Reply:. Physical Review Letters, 2013, 110, 269504.	7.8	1
14	Semianalytical description of the modulator section of the coherent electron cooling. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	3
15	Chromaticity of the lattice and beam stability in energy recovery linacs. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	4
16	Three-dimensional model of small signal free-electron lasers. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	4
17	Canceling evanescent waves in high-energy superconducting rf linacs. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	1
18	Coherent Electron Cooling. Physical Review Letters, 2009, 102, 114801.	7.8	53