

# Eugene B Levichev

## List of Publications by Year in descending order

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110  
papers

4,107  
citations

331259

21  
h-index

114278

63  
g-index

112  
all docs

112  
docs citations

112  
times ranked

5771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy quarkonium: progress, puzzles, and opportunities. European Physical Journal C, 2011, 71, 1.	1.4	1,324
2	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
3	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 075001.	1.4	406
4	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
5	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
6	Synchrotron Radiation Research and Application at VEPP-4. Physics Procedia, 2016, 84, 19-26.	1.2	125
7	Test of $\epsilon$ -Crab-Waist Collisions at the $\sqrt{s} = 1.3$ TeV $e^+e^-$ Collider. Physical Review Letters, 2010, 104, 174801.	2.9	112
8	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
9	New precision measurement of the $J/\psi$ and $\Upsilon$ -meson masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 63-79.	1.5	58
10	The KEDR detector. Physics of Particles and Nuclei, 2013, 44, 657-702.	0.2	55
11	Status of the KEDR detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 420-425.	0.7	47
12	Design of beam optics for the future circular collider at very high energies. Physical Review Accelerators and Beams, 2016, 19, .	0.6	46
13	Measurement of the $\tilde{L}_\tau$ lepton mass at the KEDR detector. JETP Letters, 2007, 85, 347-352.	0.4	40
14	Undulators and wigglers for the production of radiation and other applications. Physics-Uspexhi, 2015, 58, 850-871.	0.8	35
15	PERLE. Powerful energy recovery linac for experiments. Conceptual design report. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 065003.	1.4	33
16	The dedicated synchrotron radiation source Siberia-2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 369-374.	0.7	28
17	Beam-beam effects investigation and parameters optimization for a circular collider at very high energies. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	26
18	Measurement of the $\tilde{L}_\tau$ lepton mass at the KEDR detector. JETP Letters, 2007, 85, 347-352.	1.5	25



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37	Tau mass measurement at KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2009, 189, 21-23.	0.5	10
38	Electron-positron beam collision studies at the Budker Institute of Nuclear Physics. Physics-Uspekhi, 2018, 61, 405-423.	0.8	10
39	Undulators and Other Insertion Devices. Reviews of Accelerator Science and Technology, 2010, 03, 203-220.	0.5	9
40	Hybrid Magnet Wiggler for SR Research Program at VEPP-4M. Physics Procedia, 2016, 84, 126-130.	1.2	9
41	Project of the Dubna electron synchrotron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 470, 1-6.	0.7	8
42	Müller polarimeter for VEPP-3 storage ring based on internal polarized gas jet target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 536, 338-343.	0.7	8
43	High-precision particle mass measurements using the KEDR detector at the VEPP-4M collider. Physics-Uspekhi, 2014, 57, 66-79.	0.8	8
44	Measurement of $J/\psi \rightarrow \eta' \rightarrow \pi^0 \gamma$ at KEDR. Chinese Physics C, 2010, 34, 831-835.	1.5	7
45	Measurement of the tensor analyzing power $T_{20}$ for the reaction $\gamma d \rightarrow p n$ . European Physical Journal A, 2020, 56, 1.	1.0	7
46	Collision monochromatization in $e^+e^-$ colliders. Physical Review Accelerators and Beams, 2017, 20, .	0.6	7
47	Status of the Siberian synchrotron radiation center. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 1-13.	0.7	6
48	Use of the methods of accelerator physics in precision measurements of particle masses at the VEPP-4 complex with the KEDR detector. Instruments and Experimental Techniques, 2010, 53, 15-28.	0.1	6
49	Search for narrow resonances in $\gamma \gamma \rightarrow \pi^0 \pi^0$ . $\text{xmlns:xocs}=\text{"http://www.elsevier.com/xml/xocs/dtd"} \text{ xmlns:xs}=\text{"http://www.w3.org/2001/XMLSchema"} \text{ xmlns:xsi}=\text{"http://www.w3.org/2001/XMLSchema-instance"} \text{ xmlns}=\text{"http://www.elsevier.com/xml/ja/dtd"} \text{ xmlns:ja}=\text{"http://www.elsevier.com/xml/ja/dtd"} \text{ xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ xmlns:tb}=\text{"http://www.elsevier.com/xml/common/table/dtd"} \text{ xmlns:sb}=\text{"http://www.elsevier.com/xml/common/struct-bib/dtd"} \text{ xmlns:ce}=\text{"http://www.elsevier.com/"}.$	1.5	6
50	Damping Wigglers for the Petra III Light Source. , 0, , .		5
51	Results on $\pi^0 \rightarrow \gamma \gamma$ from KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 353-357.	0.5	5
52	Experimental study of nonlinear beam dynamics at VEPP-4M. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 406, 356-370.	0.7	4
53	PETRA III $\gamma \gamma$ Status of the Storage Ring. AIP Conference Proceedings, 2007, , . Measurement of the ratio of the lepton widths $\Gamma_{\tau \rightarrow e \nu} / \Gamma_{\tau \rightarrow \mu \nu}$ . $\text{xmlns:xocs}=\text{"http://www.elsevier.com/xml/xocs/dtd"} \text{ xmlns:xs}=\text{"http://www.w3.org/2001/XMLSchema"} \text{ xmlns:xsi}=\text{"http://www.w3.org/2001/XMLSchema-instance"} \text{ xmlns}=\text{"http://www.elsevier.com/xml/ja/dtd"} \text{ xmlns:ja}=\text{"http://www.elsevier.com/xml/ja/dtd"} \text{ xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ xmlns:tb}=\text{"http://www.elsevier.com/xml/common/table/dtd"} \text{ xmlns:sb}=\text{"http://www.elsevier.com/xml/common/struct-bib/dtd"} \text{ xmlns:ce}=\text{"http://www.elsevier.com/"}.$	0.3	4
54	Measurement of the ratio of the lepton widths $\Gamma_{\tau \rightarrow e \nu} / \Gamma_{\tau \rightarrow \mu \nu}$ . Physics Letter	1.5	4

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55	High precision energy calibration with resonant depolarization at the VEPP-4M collider. Nuclear and Particle Physics Proceedings, 2016, 273-275, 210-218.	0.2	4
56	Low emittance electron storage rings. Physics-Uspexhi, 2018, 61, 29-51.	0.8	4
57	Crossing integer spin resonance with conservation of beam polarization. Physical Review Accelerators and Beams, 2019, 22, .	0.6	4
58	TNK "synchrotron radiation source for submicron technology applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 45-49.	0.7	3
59	Multipoles of the SLS storage ring: manufacturing and magnetic measurements. IEEE Transactions on Applied Superconductivity, 2002, 12, 51-54.	1.1	3
60	Tau mass measurement at KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 311-313.	0.5	3
61	Projects for ultra-high-energy circular colliders at CERN. Physics of Particles and Nuclei Letters, 2016, 13, 870-875.	0.1	3
62	Design and Magnetic Measurements of a Hybrid Wiggler for SR Research Program at VEPP-4. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-3.	1.1	3
63	Measurement of $\hat{e}(J/\psi)$ with KEDR detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	3
64	Measurements of the tensor analyzing power T20 of the reaction $\hat{p}d \hat{p}' d\hat{e}^0$ . International Journal of Modern Physics E, 2020, 29, 2050011.	0.4	3
65	Experiments with Synchrotron Radiation at the VEPP-4M. Journal of Surface Investigation, 2020, 14, 150-154.	0.1	3
66	Final focus designs for crab waist colliders. Physical Review Accelerators and Beams, 2016, 19, .	0.6	3
67	Dynamic aperture limitation in colliders due to synchrotron radiation in quadrupoles. Physical Review Accelerators and Beams, 2019, 22, .	0.6	3
68	Effect of the superconducting wiggler on the DELSY beam dynamics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 13-26.	0.7	2
69	QTC Quadrupole Magnets for the CNGS Transfer Line. IEEE Transactions on Applied Superconductivity, 2004, 14, 600-603.	1.1	2
70	3D PIC method development for simulation of Beam-Beam effects in supercolliders. , 2007, , .		2
71	Recent results from the KEDR detector. Chinese Physics C, 2010, 34, 650-655.	1.5	2
72	$\hat{e}$ , lepton mass determination at KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.	0.5	2

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73	Performance of the vacuum system for the PETRA III damping wiggler section. Vacuum, 2012, 86, 822-826.	1.6	2
74	Collision Technologies for Circular Colliders. Reviews of Accelerator Science and Technology, 2014, 07, 207-224.	0.5	2
75	Nsls-II Boster. Physics Procedia, 2016, 84, 74-81.	1.2	2
76	Reduction of the beam emittance in the charged-particle storage rings with the help of periodic magnetic wigglers. Technical Physics, 2016, 61, 119-124.	0.2	2
77	Concept of an Electron-Positron Collider for Production and Study of the ( $\hat{1}/4+\hat{1}/4$ ) Bound State. Physics of Particles and Nuclei Letters, 2018, 15, 740-744.	0.1	2
78	Current Status of the VEPP-4 Accelerator Facility. Physics of Particles and Nuclei Letters, 2020, 17, 938-950.	0.1	2
79	Multipole wiggler and undulator for the TNK SR source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 57-60.	0.7	1
80	Conceptual design of a medical application radiation source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 200-207.	0.7	1
81	Third-Generation Synchrotron Radiation Source at the Joint Institute of Nuclear Research. Atomic Energy, 2001, 91, 841-849.	0.1	1
82	Title is missing!. Atomic Energy, 2002, 93, 945-949.	0.1	1
83	Proposal of an Experiment on Bunch Length Modulation in DA#966;Ne. , 0, , .		1
84	DA#966;NE Operation and Plans for DA#966;NE2. , 0, , .		1
85	DA#x003A6;PNE setup and performances during the second FINUDA run. , 2007, , .		1
86	DA#x003A6;NE &#x003A6;-factory upgrade for Siddharta run. , 2007, , .		1
87	New optical diagnostics of the VEPP-4M collider. Physics of Particles and Nuclei Letters, 2008, 5, 601-604.	0.1	1
88	RF system for electron and positron orbit separation at VEPP-4M. Journal of Instrumentation, 2014, 9, P12011-P12011.	0.5	1
89	Concept of waveguide Compton monitor of beam energy in high energy $e^+e^-$ collider. Journal of Instrumentation, 2016, 11, P06005-P06005.	0.5	1
90	Beam optics and dynamics in electron storage rings with ultralow emittance. Physics of Particles and Nuclei Letters, 2016, 13, 884-889.	0.1	1

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91	Measurement of $\Gamma_{ee}^{\psi(2S)}$ for $\psi(2S)$ meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 174-181.	1.5	1
92	Five-pole superconducting wiggler for the dedicated SR source TNK. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 54-56.	0.7	0
93	Low-emittance synchrotron radiation source TNK for technology (radiation spectra and beam lines). Review of Scientific Instruments, 1992, 63, 761-763.	0.6	0
94	Control system of the synchrotron radiation source SIBERIA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 352, 161-165.	0.7	0
95	First results obtained for the KSRS design parameters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 391, 160-163.	0.7	0
96	The Nanohana 2GeV Synchrotron light source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 448, 27-31.	0.7	0
97	Project of the Dubna Electron Synchrotron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 59-62.	0.7	0
98	DELSY project: status and development. Journal of Synchrotron Radiation, 2003, 10, 349-353.	1.0	0
99	Precise Energy Measurements in Experiments on VEPP-4M Collider. , 0, , .		0
100	A Project of the 2.5 GeV Booster-Synchrotron in BINP. , 0, , .		0
101	Canonical harmonic tracking of charged particles in circular accelerators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 558, 36-39.	0.7	0
102	Recent Results from the KEDR Detector. EPJ Web of Conferences, 2012, 37, 09014.	0.1	0
103	A Project for synchrotron with electron cooling for cancer therapy. Physics of Particles and Nuclei Letters, 2012, 9, 429-432.	0.1	0
104	Measurement of R at KEDR. Nuclear and Particle Physics Proceedings, 2015, 260, 85-86.	0.2	0
105	Dynamic Aperture of the NICA Collider Optimized with a Genetic Algorithm. Physics of Particles and Nuclei Letters, 2019, 16, 21-29.	0.1	0
106	Addendum to: Measurement of $\Gamma_{ee}^{\psi(2S)}$ with KEDR detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	0
107	Undulators and Other Insertion Devices. , 2011, , 203-220.		0
108	Collision Technologies for Circular Colliders. , 2015, , 207-224.		0

#	ARTICLE	IF	CITATIONS
109	Concept of a low energy electron-positron collider for dimuonium study. , 2017, , .		0
110	Hybrid Nine-Pole Wiggler as a Source of "Hard" X-ray Radiation at the VEPP-4 Accelerator Complex. Journal of Surface Investigation, 2020, 14, 1290-1293.	0.1	0