

# Eugene B Levichev

## List of Publications by Year in descending order

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110  
papers

4,107  
citations

331538

21  
h-index

114418

63  
g-index

112  
all docs

112  
docs citations

112  
times ranked

5771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Addendum to: Measurement of $\hat{\Gamma}^{ee}(J/\psi)$ with KEDR detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	0
2	Measurements of the tensor analyzing power T20 of the reaction $\hat{\Gamma}^3d \hat{\Gamma}^{\prime} d\hat{\Gamma}^0$ . International Journal of Modern Physics E, 2020, 29, 2050011.	0.4	3
3	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
4	Experiments with Synchrotron Radiation at the VEPP-4M. Journal of Surface Investigation, 2020, 14, 150-154.	0.1	3
5	Current Status of the VEPP-4 Accelerator Facility. Physics of Particles and Nuclei Letters, 2020, 17, 938-950.	0.1	2
6	Hybrid Nine-Pole Wiggler as a Source of $\text{e}^{\text{Hard}}$ -X-ray Radiation at the VEPP-4 Accelerator Complex. Journal of Surface Investigation, 2020, 14, 1290-1293.	0.1	0
7	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
8	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
9	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
10	Dynamic Aperture of the NICA Collider Optimized with a Genetic Algorithm. Physics of Particles and Nuclei Letters, 2019, 16, 21-29.	0.1	0
11	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
12	Precise measurement of $R_{uds}$ and $R$ between 1.84 and 3.72 GeV at the KEDR detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 42-51.	1.5	16
13	Dynamic aperture limitation in colliders due to synchrotron radiation in quadrupoles. Physical Review Accelerators and Beams, 2019, 22, .	0.6	3
14	Crossing integer spin resonance with conservation of beam polarization. Physical Review Accelerators and Beams, 2019, 22, .	0.6	4
15	Measurement of $\hat{\Gamma}^{ee\tilde{A}-B\hat{1}/4\hat{1}/4}$ for $\tilde{\Gamma}(2S)$ meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 174-181.	1.5	1
16	Searching for a dark photon: project of the experiment at VEPP-3. Journal of Instrumentation, 2018, 13, P02021-P02021.	0.5	14
17	Low emittance electron storage rings. Physics-Uspexhi, 2018, 61, 29-51.	0.8	4
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Low-energy electron-positron collider to search and study ( $\hat{1}/4 + \hat{1}/4$ ) bound state. EPJ Web of Conferences, 2018, 181, 01032.	0.1	11
21	Measurement of $\hat{1}ee(J/\psi)$ with KEDR detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	3
22	PERLE. Powerful energy recovery linac for experiments. Conceptual design report. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 065003.	1.4	33
23	Electron-positron beam collision studies at the Budker Institute of Nuclear Physics. Physics-Uspexhi, 2018, 61, 405-423.	0.8	10
24	Measurement of R between 1.84 and 3.05 GeV at the KEDR detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 174-181.	1.5	19
25	Collision monochromatization in $e+e^{-}$ colliders. Physical Review Accelerators and Beams, 2017, 20, .	0.6	7
26	Concept of a low energy electron-positron collider for dimuonium study. , 2017, , .		0
27	Status and upgrade of the VEPP-4 storage-ring facility. Physics of Particles and Nuclei Letters, 2016, 13, 876-883.	0.1	22
28	Synchrotron Radiation Applications in the Siberian Synchrotron and Terahertz Radiation Center. Physics Procedia, 2016, 84, 4-12.	1.2	12
29	Synchrotron Radiation Research and Application at VEPP-4. Physics Procedia, 2016, 84, 19-26.	1.2	125
30	Nsls-II Boster. Physics Procedia, 2016, 84, 74-81.	1.2	2
31	Hybrid Magnet Wiggler for SR Research Program at VEPP-4M. Physics Procedia, 2016, 84, 126-130.	1.2	9
32	Measurement of R uds and R between 3.12 and 3.72 GeV at the KEDR detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 533-541.	1.5	24
33	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
34	Concept of waveguide Compton monitor of beam energy in high energy $e\hat{1}e$ -collider. Journal of Instrumentation, 2016, 11, P06005-P06005.	0.5	1
35	Beam optics and dynamics in electron storage rings with ultralow emittance. Physics of Particles and Nuclei Letters, 2016, 13, 884-889.	0.1	1
36	Projects for ultra-high-energy circular colliders at CERN. Physics of Particles and Nuclei Letters, 2016, 13, 870-875.	0.1	3

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37	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
38	Design of beam optics for the future circular collider $e^+e^-$ collider rings. Physical Review Accelerators and Beams, 2016, 19, .	0.6	46
39	Final focus designs for crab waist colliders. Physical Review Accelerators and Beams, 2016, 19, . Final analysis of KEDR data on $J \times J$	0.6	3
40	Final analysis of KEDR data on $J \times J$ and $J \times J$	1.5	19
41	Undulators and wigglers for the production of radiation and other applications. Physics-Uspokhi, 2015, 58, 850-871.	0.8	35
42	Measurement of R at KEDR. Nuclear and Particle Physics Proceedings, 2015, 260, 85-86.	0.2	0
43	Collision Technologies for Circular Colliders. , 2015, , 207-224. Measurement of $J \times J$		0
44	Beam-beam effects investigation and parameters optimization for a circular $e^+e^-$ collider	1.5	19
45	Beam-beam effects investigation and parameters optimization for a circular $e^+e^-$ collider at very high energies. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	26
46	The status of VEPP-4. Physics of Particles and Nuclei Letters, 2014, 11, 620-631.	0.1	16
47	High-precision particle mass measurements using the KEDR detector at the VEPP-4M collider. Physics-Uspokhi, 2014, 57, 66-79. Measurement of the ratio of the lepton widths $\Gamma_b/\Gamma_c$	0.8	8
48	Measurement of the ratio of the lepton widths $\Gamma_b/\Gamma_c$ decay rate and $\Gamma_b/\Gamma_c$	1.5	4
49	RF system for electron and positron orbit separation at VEPP-4M. Journal of Instrumentation, 2014, 9, P12011-P12011.	0.5	1
50	Collision Technologies for Circular Colliders. Reviews of Accelerator Science and Technology, 2014, 07, 207-224.	0.5	2
51	The KEDR detector. Physics of Particles and Nuclei, 2013, 44, 657-702.	0.2	55
52	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
53	Recent Results from the KEDR Detector. EPJ Web of Conferences, 2012, 37, 09014.	0.1	0
54	A Project for synchrotron with electron cooling for cancer therapy. Physics of Particles and Nuclei Letters, 2012, 9, 429-432.	0.1	0

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55	Performance of the vacuum system for the PETRA III damping wiggler section. Vacuum, 2012, 86, 822-826.	1.6	2
56	Measurement of main parameters of the $\gamma$ transition in $^{199}\text{Au}$ . Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.	1.5	23
57	Search for narrow resonances in $^{199}\text{Au}$ . Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.	1.5	25
58	$\bar{J}$ , lepton mass determination at KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.	0.5	2
59	Heavy quarkonium: progress, puzzles, and opportunities. European Physical Journal C, 2011, 71, 1.	1.5	6
60	Application of frequency map analysis to beam-beam effects study in crab waist collision scheme. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.4	1,324
61	Undulators and Other Insertion Devices. , 2011, , 203-220.	1.8	21
62	Measurement of $\alpha$ transition in $^{199}\text{Au}$ . Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.		0
63	Measurement of $\beta$ transition in $^{199}\text{Au}$ . Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.		

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73	Results on $\tau$ , $\tau_c$ from KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 353-357.	0.5	5
74	The project of a Tau-Charm Factory with Crab Waist in Novosibirsk. Physics of Particles and Nuclei Letters, 2008, 5, 554-559.	0.1	17
75	New optical diagnostics of the VEPP-4M collider. Physics of Particles and Nuclei Letters, 2008, 5, 601-604.	0.1	1
76	DA#x003A6;PNE setup and performances during the second FINUDA run. , 2007, , .		1
77	PETRA III " Status of the Storage Ring. AIP Conference Proceedings, 2007, , .	0.3	4
78	3D PIC method development for simulation of Beam-Beam effects in supercolliders. , 2007, , .		2
79	DA#x003A6;NE &#x003A6;-factory upgrade for Siddharta run. , 2007, , .		1
80	Measurement of the $\tilde{l}_\tau$ lepton mass at the KEDR detector. JETP Letters, 2007, 85, 347-352.	0.4	40
81	New precise determination of the $\tilde{l}_\tau$ lepton mass at KEDR detector. Nuclear Physics, Section B, Proceedings Supplements, 2007, 169, 125-131.	0.5	12
82	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
83	M"ller 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
84	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
85	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
86	QTG Quadrupole Magnets for the CNGS Transfer Line. IEEE Transactions on Applied Superconductivity, 2004, 14, 600-603.	1.1	2
87	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
88	DELSY project: status and development. Journal of Synchrotron Radiation, 2003, 10, 349-353.	1.0	0
89	Multipoles of the SLS storage ring: manufacturing and magnetic measurements. IEEE Transactions on Applied Superconductivity, 2002, 12, 51-54.	1.1	3
90	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

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91	Absolute calibration of particle energy at VEPP-4M. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 494, 81-85.	0.7	18
92	Title is missing!. Atomic Energy, 2002, 93, 945-949.	0.1	1
93	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
94	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
95	Third-Generation Synchrotron Radiation Source at the Joint Institute of Nuclear Research. Atomic Energy, 2001, 91, 841-849.	0.1	1
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	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
98	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
99	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
100	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
101	Low-emittance synchrotron radiation source TNK for technology (radiation spectra and beam lines). Review of Scientific Instruments, 1992, 63, 761-763.	0.6	0
102	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
103	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
104	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
105	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
106	Precise Energy Measurements in Experiments on VEPP-4M Collider. , 0, , .		0
107	A Project of the 2.5 GeV Booster-Synchrotron in BINP. , 0, , .		0
108	Proposal of an Experiment on Bunch Length Modulation in DA#966;Ne. , 0, , .		1

#	ARTICLE	IF	CITATIONS
109	Damping Wigglers for the Petra III Light Source. , 0, , .		5
110	DA&#966;NE Operation and Plans for DA&#966;NE2. , 0, , .		1