

Valery I Telnov

List of Publications by Year in descending order

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143
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147726
31
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71651
76
g-index

147
all docs

147
docs citations

147
times ranked

4721
citing authors

#	ARTICLE	IF	CITATIONS
1	The BABAR detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 479, 1-116.	0.7	1,216
2	Colliding ge and gg beams based on the single-pass $e\bar{e}$ colliders (VLEPP type). Nuclear Instruments & Methods in Physics Research, 1983, 205, 47-68.	0.9	521
3	Colliding $\bar{3}e$ and $\bar{3}\bar{e}$ beams based on single-pass $e+e^-$ accelerators II. Polarization effects, monochromatization improvement. Nuclear Instruments & Methods in Physics Research, 1984, 219, 5-24.	0.9	453
4	Observation of CP Violation in the B0 Meson System. Physical Review Letters, 2001, 87, 091801.	2.9	426
5	Problems in obtaining $\bar{3}\bar{3}$ and $\bar{3}e$ colliding beams at linear colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 294, 72-92.	0.7	292
6	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
7	First look at the physics case of TLEP. Journal of High Energy Physics, 2014, 2014, 1.	1.6	269
8	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	0.7	148
9	Study of time-dependent CP-violating asymmetries and flavor oscillations in neutral B decays at the $\Upsilon(4S)$. Physical Review D, 2002, 66, .	1.6	134
10	Measurement of CP-Violating Asymmetries in B0 Decays to CPEigenstates. Physical Review Letters, 2001, 86, 2515-2522.	2.9	125
11	THE PHOTON COLLIDER AT TESLA. International Journal of Modern Physics A, 2004, 19, 5097-5186.	0.5	120
12	Principles of photon colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 355, 3-18.	0.7	112
13	Measurement of the Radiative Width of the $\ell^-\ell^+$ in Two-Photon Interaction at SPEAR. Physical Review Letters, 1979, 43, 477-480.	2.9	86
14	Coherent pair creation in linear colliders. Physical Review Letters, 1989, 63, 1796-1799.	2.9	59
15	New precision measurement of the J/ψ - and ψ' -meson masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 63-79.	1.5	58
16	Measurement of J/ψ Production in Continuum $+e^-$ Annihilations near $\sqrt{s}=10.6$ GeV. Physical Review Letters, 2001, 87, 162002.	2.9	57
17	Measurement of branching fractions for exclusive B decays to charmonium final states. Physical Review D, 2002, 65, .	1.6	56
18	The KEDR detector. Physics of Particles and Nuclei, 2013, 44, 657-702.	0.2	55

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19	Laser Cooling of Electron Beams for Linear Colliders. Physical Review Letters, 1997, 78, 4757-4760.	2.9	52
20	Measurement of the $J/\psi K^*(892)$ Decay Amplitudes. Physical Review Letters, 2001, 87, 241801.	2.9	52
21	Measurement of Branching Fractions and Search for CP-Violating Charge Asymmetries in Charmless Two-Body Decays into Pions and Kaons. Physical Review Letters, 2001, 87, 151802.	2.9	51
22	A high precision measurement of the \bar{D} -meson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 118, 225-229.	1.5	49
23	Gold-plated processes at photon colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 100-120.	0.7	47
24	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
25	Measurements of the Branching Fractions of Exclusive Charmless Meson Decays with π^0 or η Mesons. Physical Review Letters, 2001, 87, 221802.	2.9	43
26	An interaction region for gamma-gamma and gamma-electron collisions at TESLA/SBLC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 406, 13-49.	0.7	41
27	Measurement of the τ lepton mass at the KEDR detector. JETP Letters, 2007, 85, 347-352.	0.4	40
28	Measurement of $K^+ K^-$ Branching Fractions and Charge Asymmetries. Physical Review Letters, 2002, 88, 101805.	2.9	38
29	Photon collider at TESLA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 43-60. Restriction on the Energy and Luminosity of $\text{e}^+ \text{e}^-$ Collisions at the TESLA Collider. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 61-76.	0.7	36
30	$\text{e}^+ \text{e}^- \rightarrow \text{e}^+ \text{e}^- + \text{e}^+ \text{e}^- \rightarrow \text{e}^+ \text{e}^- + \text{e}^+ \text{e}^- + \text{e}^+ \text{e}^-$ Storage Rings due to Beamstrahlung. Physical Review Letters, 2013, 110, 114801.	2.9	36
31	Pion pair production in photon-photon collisions at SPEAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 105, 304-308.	1.5	31
32	The measurement of $\text{e}^+ \text{e}^- \rightarrow \text{e}^+ \text{e}^-$ -annihilation at center-of-mass energies between 7.25 and 10.34 GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 31-37.	1.5	31
33	Measurement of $B\bar{B}$ Flavor Oscillations in Hadronic B Decays. Physical Review Letters, 2002, 88, 221802.	2.9	29
34	A high precision measurement of the ρ , ρ' and ρ'' -meson masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 137, 272-276.	1.5	28
35	PHYSICS GOALS AND PARAMETERS OF PHOTON COLLIDERS. International Journal of Modern Physics A, 1998, 13, 2399-2409.	0.5	25
36	Status of gamma-gamma and gamma-electron colliders. Nuclear Physics, Section B, Proceedings Supplements, 2000, 82, 359-366.	0.5	25

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37	ment of <math altimg="si1.gif" overflow="scroll"> xe_{uds} and xe_{dss} . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1987, 260, 304-308.	1.5	25
38	Total cross section of two-photon production of hadrons. <i>Zeitschrift fÃ¼r Physik C-Particles and Fields</i> , 1992, 53, 219-224.	1.5	24
39	Search for the Rare Decays $K^+ \rightarrow K^+ l^+ l^-$ and $K^* \rightarrow K^* l^+ l^-$. <i>Physical Review Letters</i> , 2002, 88, 241801.	2.9	24
40	Measurement of R uds and R between 3.12 and 3.72 GeV at the KEDR detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 533-541.	1.5	24
41	Scattering of electrons on thermal radiation photons in electron-positron storage rings. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1987, 260, 304-308.	0.7	23
42	Measurement of the two-photon widths of the $a_2(1^3P_0)$ and $a_2(1^3P_1)$. <i>Zeitschrift fÃ¼r Physik C-Particles and Fields</i> , 1990, 48, 581-585.	1.5	23
43	Measurement of main parameters of the $a_2(1^3P_0)$ and $a_2(1^3P_1)$. <i>Zeitschrift fÃ¼r Physik C-Particles and Fields</i> , 1990, 48, 581-585.	1.5	23
44	Resonance production by two-photon interactions at SPEAR. <i>Physical Review D</i> , 1983, 27, 1031-1039.	1.6	22
45	Search for T and CP Violation in $B_0 \rightarrow B^- \bar{B}^0$ Mixing with Inclusive Dilepton Events. <i>Physical Review Letters</i> , 2002, 88, 231801.	2.9	22
46	Measurement of the $B_0 \rightarrow B^- \bar{B}^0$ Oscillation Frequency with Inclusive Dilepton Events. <i>Physical Review Letters</i> , 2002, 88, 221803.	2.9	22
47	Electron (positron) beam polarization by Compton scattering on circularly polarized laser photons. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2003, 6, .	1.8	22
48	Measurement of the B_0 and B^+ Meson Lifetimes with Fully Reconstructed Hadronic Final States. <i>Physical Review Letters</i> , 2001, 87, 201803.	2.9	21
49	Photon counting and integrating analog gaseous detectors for digital scanning radiography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 419, 290-294.	0.7	19
50	High-energy photon colliders. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 455, 63-69.	0.7	19
51	Precision luminosity measurement at LHC using two-photon production of $\gamma + \gamma$ pairs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 455, 55-59.	0.7	19
52	Final analysis of KEDR data on $4m_1 m_5 m_5$. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 455, 55-59.	1.5	19
53	Measurement of R between 1.84 and 3.05 GeV at the KEDR detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 770, 174-181.	1.5	19
54	Fluctuations of ionization losses in proportional chambers. <i>Nuclear Instruments & Methods</i> , 1974, 120, 365-368.	1.2	18

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73	New measurement of the \bar{D} -meson mass. Zeitschrift für Physik C-Particles and Fields, 1986, 30, 551-558.	1.5	9	
74	Determination of the $\psi(1S)$ leptonic width. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 547-552.	1.5	9	
75	Search for the Decay $B_0 \rightarrow D^+ \pi^-$. Physical Review Letters, 2001, 87, 241803.	2.9	9	
76	Design of the beam delivery system for the international linear collider. , 2007, , .			9
77	Prospects of high energy photon colliders. Nuclear and Particle Physics Proceedings, 2016, 273-275, 219-224.	0.2	9	
78	Search for $\psi(2S)$ and $X(2S)$ in radiative decays of \bar{D} -meson. Zeitschrift für Physik C-Particles and Fields, 1989, 42, 505-510.	1.5	8	
79	Photon collider Higgs factories. Journal of Instrumentation, 2014, 9, C09020-C09020.	0.5	8	
80	Four-layer aerogel Cherenkov counter. Journal of Non-Crystalline Solids, 1998, 225, 375-380.	1.5	7	
81	Measurement of the Branching Fraction and CP Content for the Decay $B_0 \rightarrow D^* \bar{D}^*$. Physical Review Letters, 2002, 89, 061801.	2.9	7	
82	Measurement of $J/\psi \rightarrow c\bar{c}$ at KEDR. Chinese Physics C, 2010, 34, 831-835.	1.5	7	
83	Trigger of the KEDR detector. Instruments and Experimental Techniques, 2011, 54, 335-349.	0.1	7	
84	A high-luminosity superconducting twin e^+e^- linear collider with energy recovery. Journal of Instrumentation, 2021, 16, P12025.	0.5	7	
85	Search for the decay $\psi(2S) \rightarrow \psi(1S) + \pi^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 311-314.	1.5	6	
86	Measurement of the branching ratio for $\psi(1S)$ state into e^+e^- and search for decays $\psi(1S) \rightarrow e^+e^-$, K^+K^- , $p\bar{p}$. Zeitschrift für Physik C-Particles and Fields, 1992, 54, 229-234.	1.5	6	
87	Performance of a prototype aerogel counter readout by fine mesh photo-tubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 385, 74-80.	0.7	6	
88	Problems of multi-TeV photon colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 280-290. Search for narrow resonances in common/math/align="st1.gif" overflow="scroll">common/math/align="st1.gif" overflow="scroll"	0.7	6	
89	xml�:xcos="http://www.elsevier.com/xml/xocs/dtd" xml�:xs="http://www.w3.org/2001/XMLSchema" xml�: xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:isb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ice="http://www.elsevier.com/".	1.5	6	
90	Optimization of the beam crossing angle at the ILC fore+ e^- and $\bar{D}^+ \bar{D}^-$ collisions. Journal of Instrumentation, 2018, 13, P03020-P03020.	0.5	6	

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91	Spatial resolution of induction chambers. Nuclear Instruments & Methods in Physics Research, 1983, 207, 379-388.	0.9	5
92	Recent results on prototype aerogel threshold counters for particle identification in the region 0.5–4.3 GeV/c. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 379, 460-464.	0.7	5
93	Digital mammography with multi-electrode ionization chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 454, 130-135.	0.7	5
94	TESLA: potentials of $\hat{3}\hat{3}$ and $e+e^-$ options in stoponium searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 171-180.	0.7	5
95	Measurement of the branching fractions for $(2S)\rightarrow e+e^-$ and $(2S)\rightarrow \gamma\gamma$. Physical Review D, 2001, 65, .	1.6	5
96	Study of $B\pm\rightarrow J/\psi\pi^\pm$ and $B\pm\rightarrow K\pm$ decays: Measurement of the ratio of branching fractions and search for direct CP-violating charge asymmetries. Physical Review D, 2002, 65, .	1.6	5
97	Results on Λ_c^0 , Ξ_c^0 , Ω_c^0 , from KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 353-357.	0.5	5
98	Introduction to the Photon Collider. Nuclear Physics, Section B, Proceedings Supplements, 2008, 184, 271-286.	0.5	5
99	Proportional chambers with delay line readout in the MD-1 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 252, 267-271.	0.7	4
100	Measurement of inclusive $\gamma\gamma$ production in electron-positron interactions at the upsilon energies. Zeitschrift FÄr Physik C-Particles and Fields, 1994, 62, 367-370.	1.5	4
101	Performance of an aerogel threshold particle identification detector readout by hybrid photon detectors. IEEE Transactions on Nuclear Science, 1997, 44, 1621-1629.	1.2	4
102	Measurement of the ratio of the lepton widths $\lambda_{e\mu} = \frac{\Gamma(e\rightarrow e\gamma)}{\Gamma(\mu\rightarrow e\gamma)}$. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 408, 267-271.	1.5	4
103	Gamma-gamma collider with $\gamma\gamma \rightarrow W^+W^-$ at 12 GeV based on the 17.5 GeV SC linac of the European XFEL. Journal of Instrumentation, 2020, 15, P10028-P10028.	0.5	4
104	Ultimate luminosities and energies of photon colliders. , 1997, , .		3
105	PHOTON COLLIDERS: KEY PROBLEMS, NEW IDEAS. International Journal of Modern Physics A, 2000, 15, 2577-2586.	0.5	3
106	Introduction: goals of the workshop GG2000. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 1-3.	0.7	3
107	Tau mass measurement at KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 311-313.	0.5	3
108	A concept of the photon collider beam dump. Journal of Instrumentation, 2014, 9, C09031-C09031.	0.5	3

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109	Method of X-ray detection by a proportional chamber with high accuracy in both coordinates. Nuclear Instruments & Methods, 1978, 154, 407-410.	1.2	2
110	Gated photon detector for the visible wavelength region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 387, 180-182.	0.7	2
111	Publisher's Note: Measurement of the B0 Lifetime with Partially Reconstructed B0 D*+â„“+1/2â„“ Decays [Phys. Rev. Lett. PRLTAO0031-900789, 011802 (2002)]. Physical Review Letters, 2002, 89, .	2.9	2
112	Interaction region for $\bar{e}^3\bar{e}^3$ collisions at linear colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 494, 35-44.	0.7	2
113	Is a laser wire a non-invasive method?. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 647-650.	0.7	2
114	Photon collider at the ILC. Nuclear Physics, Section B, Proceedings Supplements, 2008, 179-180, 81-93.	0.5	2
115	Recent results from the KEDR detector. Chinese Physics C, 2010, 34, 650-655.	1.5	2
116	\bar{e} , lepton mass determination at KEDR. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 155-159.	0.5	2
117	Measurement of the leptonic width and the muon-pair branching ratio of the $\bar{e}^3(1S)$ with the MD-1 detector. Nuclear Physics, Section B, Proceedings Supplements, 1992, 27, 89-93.	0.5	1
118	Beam energy measurement at linear colliders using spin precession. Physical Review Special Topics: Accelerators and Beams, 2003, 6, .	1.8	1
119	The lay-out of the photon collider at the international linear collider. Pramana - Journal of Physics, 2007, 69, 1177-1179.	0.9	1
120	Measurement of $\bar{e}ee\bar{B}^{1/4}\bar{B}^{1/4}$ for $\bar{e}(2S)$ meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 174-181.	1.5	1
121	Higgs factories., 2013, ,.		1
122	Bose-Einstein correlations in $e+e^-$ annihilation in the $\bar{e}^3(1S)$ and continuum. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1995, 69, 215-222.	1.5	0
123	Requirements to beam emittances at photon colliders. Laser cooling of electron beams. AIP Conference Proceedings, 1997, ,.	0.3	0
124	High-energy photon-photon colliders., 1998, 3485, 13.		0
125	Limit on a horizontal emittance in high energy muon colliders due to synchrotron radiation. AIP Conference Proceedings, 2000, ,.	0.3	0
126	Some problems in plasma suppression of beam-beam interactions at muon colliders. AIP Conference Proceedings, 2000, ,.	0.3	0

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127	Problems and stoppers for $\hat{3}\hat{3}$, $\hat{3}\hat{1}/4$, $\hat{1}/4p$ colliders using very high energy muons. AIP Conference Proceedings, 2000, , .	0.3	0
128	Coherent $e^{[sup +]}e^{[sup -]}$ pair creation at high energy muon colliders. AIP Conference Proceedings, 2000, , .	0.3	0
129	Potentials of LC in stoponium searches. AIP Conference Proceedings, 2001, , .	0.3	0
130	Introduction and recent developments in $\hat{3}\hat{3}$, $\hat{3}e$ colliders. AIP Conference Proceedings, 2001, , .	0.3	0
131	Photon collider at TESLA: Parameters and interaction region issues. AIP Conference Proceedings, 2001, , .	0.3	0
132	PHOTON COLLIDER AT TESLA. , 2002, , .		0
133	Proposal of the Next Incarnation of Accelerator Test Facility at KEK for the International Linear Collider. , 0, , .		0
134	Ultimate parameters of the photon collider at the international linear collider. Pramana - Journal of Physics, 2007, 69, 957-961.	0.9	0
135	Recent Results from the KEDR Detector. EPJ Web of Conferences, 2012, 37, 09014.	0.1	0
136	Energy calibration at high-energy photon colliders. Journal of Instrumentation, 2014, 9, C09029-C09029.	0.5	0
137	Measurement of the product of the leptonic width of the J/ψ meson and the branching ratio for its decay to hadrons. Physics of Atomic Nuclei, 2015, 78, 369-372.	0.1	0
138	Measurement of R at KEDR. Nuclear and Particle Physics Proceedings, 2015, 260, 85-86.	0.2	0
139	Charm at KEDR. , 2021, , .		0
140	PHOTON-ELECTRON INTERACTIONS IN BEAM PHYSICS AND CONDENSE BEAMS – AN INTRODUCTION. , 2002, , .		0
141	CRITICAL ISSUES IN LINEAR COLLIDERS. , 2004, , .		0
142	Limitation on the luminosity of e^+e^- storage rings due to beamstrahlung.. , 2013, , .		0
143	Accelerator Physics Chair of the Physics Department at Novosibirsk State University. Siberian Journal of Physics, 2022, 17, 155-160.	0.1	0