

# Valery E Lyubovitskij

## List of Publications by Year in descending order

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225  
papers

6,631  
citations

50276

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230  
all docs

230  
docs citations

230  
times ranked

3760  
citing authors









#	ARTICLE	IF	CITATIONS
73	Isospin-violating strong decays of scalar single-heavy tetraquarks. Physical Review D, 2016, 94, .	4.7	9
74	Nucleon tensor form factors in a relativistic confined quark model. Physical Review D, 2016, 94, .	4.7	6
75	Light Front Wave Function for Hadrons with Arbitrary Twist. Few-Body Systems, 2016, 57, 521-525.	1.5	0
76	Nucleon Properties in AdS/QCD models with several Fock States. Nuclear and Particle Physics Proceedings, 2015, 267-269, 222-226.	0.5	1
77	Unified description of BABAR and Belle data on the bottomonia decays $\Upsilon(1S)$ , $\Upsilon(2S)$ , $\Upsilon(3S)$ into $\mu^+\mu^-$ and $\tau^+\tau^-$ . Physical Review D, 2016, 94, 014004.	4.7	98
78	Unified description of BABAR and Belle data on the bottomonia decays $\Upsilon(1S)$ , $\Upsilon(2S)$ , $\Upsilon(3S)$ into $\mu^+\mu^-$ and $\tau^+\tau^-$ . Physical Review D, 2016, 94, 014004.		

#	ARTICLE	IF	CITATIONS
91	Masses and widths of scalar isoscalar multi-channel resonances from data analysis. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 025006.	3.6	8
92	Selected strong decay modes of $Y$	4.7	30
93	Radiative and dilepton decays of the hadronic molecule $Z_c$	4.7	21
94	Parameters of scalar resonances from the combined analysis of data on $Y$ decays	4.7	20
95	Role of the hadron molecule $\Lambda_c(2940)$ in the $\Lambda_c(2940) \rightarrow p D_0^0 \bar{\Lambda}^0$ annihilation reaction. Physical Review D, 2014, 90, .	4.7	26
96	Parameters of scalar resonances from the combined analysis of data on $\Lambda_c(2940) \rightarrow p D_0^0 \bar{\Lambda}^0$ and $\Lambda_c(2940) \rightarrow p D_0^0 \bar{\Lambda}^0$ decays. Physical Review D, 2014, 89, .	4.7	8
97	Electromagnetic structure of the nucleon and the Roper resonance in a light-front quark approach. Physical Review D, 2014, 89, .	4.7	19
98	Baryon Structure in AdS/QCD. Few-Body Systems, 2014, 55, 447-453.	1.5	3
99	Light-front quark model consistent with Drell-Yan-West duality and quark counting rules. Physical Review D, 2014, 89, .	4.7	79
100	Light-front potential for heavy quarkonia constrained by the holographic soft-wall model. Physical Review D, 2014, 90, .	4.7	12
101	Light quark contributions to the nucleon electromagnetic form factors. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 095005.	3.6	4
102	Ideas to Modelling Nucleon GPDs with AdS/QCD Models. Few-Body Systems, 2014, 55, 455-461.	1.5	0
103	NUCLEON RESONANCES AND GPDs IN AdS/QCD. International Journal of Modern Physics Conference Series, 2014, 26, 1460066.	0.7	3
104	A Study of New Resonances in a Molecule Scenario. Few-Body Systems, 2013, 54, 1011-1014.	1.5	7
105	The scalar mesons in decays of the $\tilde{\eta}$ and $\tilde{\eta}'$ families. Nuclear Physics, Section B, Proceedings Supplements, 2013, 245, 259-262.	0.4	3
106	Limits on lepton flavor violation from $\tilde{b} \rightarrow \tilde{t} \tau$ conversion. Physical Review D, 2013, 87, .	4.7	11
107	Light quark contributions to the nucleon electromagnetic form factors. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 095005.	3.6	4

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109	Strong decays of molecular states $Z \rightarrow b \bar{c} + c \bar{b}$	4.7	50
110	Decays of $Z$ and $Z$ as hadronic molecules. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 015002.	4.7	71
111	Nucleon resonances in AdS/QCD. Physical Review D, 2013, 87, .	4.7	53
112	Decays of $Z$ and $Z$ as hadronic molecules. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 015002.	3.6	54
113	Quark and hadron degrees of freedom in the Roper resonance electroproduction. , 2013, , .		0
114	Baryon structure in AdS/QCD. , 2013, , .		0
115	Hadron structure in AdS/QCD. , 2013, , .		0
116	Some hadronic properties from light front holography. , 2012, , .		3
117	Nucleon structure including high Fock states in AdS/QCD. Physical Review D, 2012, 86, .	4.7	68
118	Dilaton in a soft-wall holographic approach to mesons and baryons. Physical Review D, 2012, 85, .	4.7	133
119	Generalized parton distributions in an AdS/QCD hard-wall model. Physical Review D, 2012, 85, .	4.7	47
120	Light baryons and their electromagnetic interactions in the covariant constituent quark model. Physical Review D, 2012, 86, .	4.7	33
121	Can parameters of $\rho$ -mesons be determined correctly analyzing only $\rho\rho$ -scattering?. Physical Review D, 2012, 86, .	4.7	10
122	Nature of the scalar-isoscalar mesons in the uniformizing-variable method based on analyticity and unitarity. Physical Review D, 2012, 85, .	4.7	17
123	Mesons and Baryons in a Soft-wall Holographic Approach. Few-Body Systems, 2012, 52, 223-229.	1.5	0
124	Nucleon Generalized Parton Distributions and Holographic Models. Few-Body Systems, 2012, 52, 237-242.	1.5	4
125	Hadron properties in AdS/QCD. Progress in Particle and Nuclear Physics, 2012, 67, 206-211.	14.4	2
126	New bounds on lepton flavor violating decays of vector mesons and the $Z$ boson. Physical Review D, 2011, 83, .	4.7	22



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127	Electroproduction of the Roper resonance on the proton: The role of the three-quark core and the molecular $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{f} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ component. Physical Review D, 2011, 84, .	4.7	33
128	$\rho$ -meson production in $p\bar{p} \rightarrow \rho^0$ annihilation at rest. Physical Review D, 2011, 84, .	4.7	3
129	Strong three-body decays of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \hat{b} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2940 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657 Td} \langle \text{mml:math} \rangle$ picture. Physical Review D, 2011, 83, .	4.7	50
130	Hyperon forward spin polarizability $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \hat{\Gamma}^3 \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ . Physical Review D, 2011, 84, .	4.7	4
131	Hadronic and radiative three-body decays of $\hat{\Gamma}^0$ involving the scalars $f_0(1370)$ , $f_0(1500)$ , and $f_0(1710)$ . Physical Review D, 2011, 84, .	4.7	17
132	Generalized parton distributions in AdS/QCD. Physical Review D, 2011, 83, .	4.7	101
133	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \hat{\Gamma}^3$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{\Gamma}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay modes of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle (3872)$ . Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 015001.	3.6	75
134	Quasielastic $\rho^0$ electroproduction on the proton at intermediate energy: Role of scalar and pseudoscalar meson exchange. Physical Review D, 2010, 81, .	4.7	6
135	Light and heavy mesons in a soft-wall holographic approach. Physical Review D, 2010, 82, .	4.7	127
136	Heavy Hadron Molecules. , 2010, , .		5
137	Possible hadronic molecule structure of the $Y(3940)$ and $Y(4140)$ . , 2010, , .		5
138	Heavy Flavor Hadron Molecules. , 2010, , .		1
139	Mesonic bound states in the $c\bar{c}l$ , spectrum. , 2010, , .		0
140	Decay properties of double heavy baryons. , 2010, , .		4
141	Meson wave function from holographic approaches. , 2010, , .		3
142	Hadron molecules. Chinese Physics C, 2010, 34, 1185-1190.	3.7	6
143	$B_s(d)$ - $B_s^*(d)$ mixing constraints on flavor changing decays of $t$ and $b$ quarks. Physical Review D, 2010, 82, .	4.7	2
144	Radiative decay of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \hat{b} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2940 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td} \langle \text{mml:math} \rangle$ picture. Physical Review D, 2010, 82, .	4.7	50

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145	Strong two-body decays of the $\Sigma_c$ charmed baryons. Physical Review D, 2010, 81, . Charmed baryon $\Sigma_c$ hadronic molecule. Physical Review D, 2010, 81, .	4.7	56
146	Relativistic constituent quark model with infrared confinement. Physical Review D, 2010, 81, .	4.7	87
147	Lepton flavor violating decays of vector mesons. Physical Review D, 2010, 81, .	4.7	16
148	Two-photon decay of heavy hadron molecules. Physical Review D, 2010, 82, .	4.7	23
149	Charmed baryon $\Sigma_c$ hadronic molecule. Physical Review D, 2010, 81, .	4.7	48
150	Radiative decays of double heavy baryons in a relativistic constituent three-quark model including hyperfine mixing effects. Physical Review D, 2010, 81, . Hidden charm and radiative decays of the $\Sigma_c$ charmed baryon hadronic molecule. Physical Review D, 2010, 81, .	4.7	55
151	Charmed baryon $\Sigma_c$ hadronic molecule. Physical Review D, 2010, 81, .	4.7	36
152	Mesons and glueballs in chiral approach and AdS/QCD. , 2010, , .		0
153	Glueball with the first radial excitations of $\Sigma_c$ charmed baryon hadronic molecule. Physical Review D, 2010, 81, .	4.7	28
154	Hadronic molecule structure of the $\Sigma_c$ charmed baryon hadronic molecule. Physical Review D, 2010, 81, .	4.7	82
155	Charmed baryon $\Sigma_c$ hadronic molecule. Physical Review D, 2010, 81, .	4.7	147
156	Strong decays of radially excited mesons in a chiral approach. Physical Review D, 2009, 79, .	4.7	12
157	Weak decays of heavy hadron molecules involving the $\eta(980)$ . Physical Review D, 2009, 79, .	4.7	24
158	Hadronic molecule structure of the $\Sigma_c$ charmed baryon hadronic molecule. Physical Review D, 2009, 79, .	4.7	147
159	Semileptonic decays of double heavy baryons in a relativistic constituent three-quark model. Physical Review D, 2009, 80, .	4.7	66
160	Reply to "Comment on 'Two-photon decay width of the sigma meson'" Physical Review D, 2009, 79, .	4.7	2
161	Meson wave function from holographic models. Physical Review D, 2009, 80, .	4.7	91
162	Hadronic atoms in QCD+QED. Physics Reports, 2008, 456, 167-251.	25.6	87

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163	New heavy mesons as hadronic molecules. Progress in Particle and Nuclear Physics, 2008, 61, 127-132. Strong and radiative decays of the scalars	14.4	5
164	Estimate for the	4.7	21
165	Two-photon decay width of the sigma meson. Physical Review D, 2008, 77, .	4.7	21
166	Chiral corrections to the vector and axial couplings of quarks and baryons. Physical Review D, 2008, 77, .	4.7	8
167	Dependence of nucleon properties on pseudoscalar meson masses. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 025005.	3.6	7
168	Hadronic Molecules and the $f_0(980)$ and $a_0(980)$ . AIP Conference Proceedings, 2008, . .	0.4	3
169	Semileptonic decays of the light	4.7	46
170	state baryon octet. Physical Review D, 2008, 78, .	4.7	46
171	Molecular structure of the $B_s^0(5725)$ and $B_s(5778)$ bottom-strange mesons. Physical Review D, 2008, 77, .	4.7	46
172	Phenomenological Lagrangian approach to the electromagnetic deuteron form factors. Physical Review C, 2008, 78, .	2.9	34
173	Chiral Dynamics of Baryons in the Quark Model. AIP Conference Proceedings, 2007, . .	0.4	7
174	Role of the $\rho$ -meson in the description of pion electroproduction experiments. Physical Review C, 2007, 76, .	2.9	10
175	Structure of the $B_c^0(6741)$ and $B_c(6741)$ bottom-charm mesons. Physical Review D, 2008, 77, .	4.7	50
176	Molecular structure of the $B_c^0(6741)$ and $B_c(6741)$ bottom-charm mesons. Physical Review D, 2008, 77, .	4.7	83
177	Possible resolution of the B-meson decay polarization anomaly in R-parity violating supersymmetry. Physical Review D, 2007, 75, .	4.7	7
178	Strong and radiative decays of the $B_c^0(6741)$ and $B_c(6741)$ bottom-charm mesons. Physical Review D, 2008, 77, .	4.7	156
179	Strong CP violation and the neutron electric dipole form factor. Physics of Atomic Nuclei, 2007, 70, 349-357.	0.4	11
180	Chiral dynamics of baryons in a Lorentz covariant quark model. Physical Review D, 2006, 73, .	4.7	44

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181	Implications of R-parity violating supersymmetry for atomic and hadronic electric dipole moments. Physical Review D, 2006, 74, .	4.7	20
182	Quark model description of quasi-elastic pion knockout from the proton at JLAB. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 220-226.	4.1	9
183	The neutron electric dipole form factor in the perturbative chiral quark model. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 547-564.	3.6	28
184	Light baryon magnetic moments and $N\Delta^+\uparrow\uparrow^3$ transition in a Lorentz covariant chiral quark approach. Physical Review D, 2006, 74, .	4.7	62
185	Hadronic electric dipole moments in R-parity violating supersymmetry. Physical Review D, 2006, 73, .	4.7	16
186	GROUND-STATE BARYON MASSES IN THE PERTURBATIVE CHIRAL QUARK MODEL. International Journal of Modern Physics E, 2006, 15, 121-142.	1.0	16
187	Scalar meson and glueball decays within a effective chiral approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 622, 277-285.	4.1	86
188	Chiral dynamics of baryons in a covariant quark model. Progress in Particle and Nuclear Physics, 2005, 55, 12-22.	14.4	6
189	Magnetic Moments of S-Shell Pentaquarks in the Constituent Quark Model. Progress of Theoretical Physics, 2005, 113, 801-808.	2.0	2
190	Electron-positron annihilation into hadron-antihadron pairs. Physical Review C, 2005, 71, .	2.9	8
191	Scalar nonet quarkonia and the scalar glueball: Mixing and decays in an effective chiral approach. Physical Review D, 2005, 72, .	4.7	117
192	Scalar meson mediated nuclear $\frac{1}{4}\hat{a}^{\sim}\hat{a}^{\sim}e\hat{a}^{\sim}$ conversion. Physical Review D, 2005, 72, .	4.7	16
193	Decays of tensor mesons and the tensor glueball in an effective field approach. Physical Review D, 2005, 72, .	4.7	57
194	Chiral symmetry restoration in strange hadronic matter. Physical Review C, 2004, 70, .	2.9	8
195	Updated analysis of meson-nucleon $\hat{f}$ terms in the perturbative chiral quark model. Physical Review C, 2004, 69, .	2.9	38
196	Vector mesons in nuclear $\frac{1}{4}\hat{a}^{\sim}\hat{a}^{\sim}e\hat{a}^{\sim}$ conversion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 57-62.	4.1	14
197	Electromagnetic nucleon-delta transition in the perturbative chiral quark model. Physical Review C, 2003, 68, .	2.9	17
198	Pion and sigma meson properties in a relativistic quark model. Physical Review D, 2003, 68, .	4.7	87

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199	Strange quark matter in a chiral SU(3) quark mean field model. Physical Review C, 2003, 67, .	2.9	31
200	Strange nucleon form factors in the perturbative chiral quark model. Physical Review C, 2002, 66, .	2.9	70
201	Hadronic potentials from effective field theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 285-293.	4.1	6
202	New aspects of muon $\rightarrow$ electron nuclear conversion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 121-126.	4.1	16
203	Semileptonic decays of double heavy baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 518, 55-62.	4.1	66
204	$\bar{N}N$ scattering and electromagnetic corrections in the perturbative chiral quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 204-212.	4.1	41
205	Dressed six-quark bags at short and intermediate NN ranges. Nuclear Physics A, 2001, 689, 327-330.	1.5	7
206	Electromagnetic structure of the nucleon in the perturbative chiral quark model. Physical Review C, 2001, 64, .	2.9	56
207	Decays of the $\bar{c}c$ atom. Physical Review D, 2001, 64, .	4.7	64
208	$\hat{b}$ and $\hat{c}$ baryon decays at finite values of heavy quark masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 58-64.	4.1	20
209	$\bar{c}c$ p atom in ChPT: strong energy-level shift. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 9-18.	4.1	68
210	Choice of heavy baryon currents in the relativistic three-quark model. Physical Review D, 2000, 61, .	4.7	29
211	Charm and bottom baryon decays in the Bethe-Salpeter approach: Heavy to heavy semileptonic transitions. Physical Review D, 1999, 59, .	4.7	37
212	One-photon transitions between heavy baryons in a relativistic three-quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 448, 143-151.	4.1	32
213	On the lifetime of the $\bar{c}c$ atom. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 335-340.	4.1	41
214	Numerical analysis of the $\bar{c}c$ atom lifetime in ChPT. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 471, 244-250.	4.1	35
215	One-pion charm baryon transitions in a relativistic three-quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 435-442.	4.1	18
216	$\bar{c}c$ atom in chiral perturbation theory. Physical Review D, 1998, 58, .	4.7	26

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217	EXCLUSIVE NONLEPTONIC BOTTOM TO CHARM BARYON DECAYS INCLUDING NONFACTORIZABLE CONTRIBUTIONS. Modern Physics Letters A, 1998, 13, 181-191.	1.2	25
218	Heavy baryon transitions in a relativistic three-quark model. Physical Review D, 1997, 56, 348-364.	4.7	149
219	Relativistic Quark Model Based Description of Low Energy NN Scattering. International Journal of Modern Physics A, 1997, 12, 1385-1404.	1.5	0
220	Perturbation theory for the $\bar{\psi}\psi$ atom. JETP Letters, 1997, 66, 783-788.	1.4	10
221	The form factor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 435-438.	4.1	32
222	Electromagnetic Form Factors of Nucleons in a Relativistic Three-Quark Model. Few-Body Systems, 1996, 21, 131-147.	1.5	93
223	Lifetime of $(\bar{\psi}\psi)$ atom: analysis of the role of strong interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 181-186.	4.1	22
224	Quark model based relativistically invariant meson exchange forces for two-nucleon scattering. European Physical Journal D, 1993, 43, 747-760.	0.4	0
225	Heavy-to-light semileptonic decays of $\hat{1}b$ and $\hat{1}c$ baryons in the covariant confined quark model. , 0, .		1