

Richard F Lebed

List of Publications by Year in descending order

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88
papers

3,477
citations

159585

30
h-index

138484

58
g-index

88
all docs

88
docs citations

88
times ranked

1606
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy-quark QCD exotica. Progress in Particle and Nuclear Physics, 2017, 93, 143-194.	14.4	497
2	Constraints on Form Factors for Exclusive Semileptonic Heavy to Light Meson Decays. Physical Review Letters, 1995, 74, 4603-4606.	7.8	217
3	The pentaquark candidates in the dynamical diquark picture. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 454-457.	4.1	205
4	Precision corrections to dispersive bounds on form factors. Physical Review D, 1997, 56, 6895-6911.	4.7	159
5	Bounding noncommutative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 518, 201-206.	4.1	159
6	Dynamical Picture for the Formation and Decay of the Exotic X_{YZ} Mesons. Physical Review Letters, 2014, 113, 112001.	7.8	141
7	Model-independent determinations of form factors. Nuclear Physics B, 1996, 461, 493-511.	2.5	120
8	Baryon mass splittings in the $1/N_c$ expansion. Physical Review D, 1995, 52, 282-294.	4.7	111
9	Production of the Smallest QED Atom: True Muonium ($\mu^+ e^-$). Physical Review Letters, 2009, 102, 213401.	7.8	96
10	Model-independent extraction of $ V_{cb} $ using dispersion relations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 306-312.	4.1	94
11	Operator analysis of $1/N_c$ baryon masses in large N_c QCD. Physical Review D, 1999, 59, .	4.7	87
12	Maximal neutrino mixing from a minimal flavor symmetry. Physical Review D, 2000, 62, .	4.7	85
13	Masses of orbitally excited baryons in large N_c QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 438, 327-335.	4.1	79
14	Pion form factors in holographic QCD. Journal of High Energy Physics, 2008, 2008, 027-027.	4.7	71
15	Supersymmetric noncommutative QED and Lorentz violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 337-343.	4.7	65
16	New Relations for Excited Baryons in Large- N_c QCD. Physical Review Letters, 2003, 91, 012001.	4.1	60
17	Pion form factor in improved holographic QCD backgrounds. Physical Review D, 2008, 77, .	7.8	57
18	Pion form factor in improved holographic QCD backgrounds. Physical Review D, 2008, 77, .	4.7	57

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19	Spectrum of Λ_c^- states in the dynamical diquark model. Journal of High Energy Physics, 2009, 2009, 043-043.	4.7	56
20	A higher-derivative Lee-Wick standard model. Journal of High Energy Physics, 2009, 2009, 043-043.	4.7	53
21	Minimal Lee-Wick extension of the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 221-225.	4.1	49
22	Excited baryons in largeNcQCD reexamined: The resonance picture versus single-quark excitations. Physical Review D, 2003, 67, .	4.7	48
23	Partners of the Λ_c^+ in large Nc QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 150-155.	4.1	45
24	QCD dynamics of tetraquark production. Physical Review D, 2015, 91, .	4.7	44
25	Excited baryon decay widths in largeNcQCD. Physical Review D, 2004, 69, .	4.7	34
26	Complete analysis of baryon magnetic moments in the $1/N_c$ expansion. Physical Review D, 2004, 70, .	4.7	34
27	The dynamical diquark model: first numerical results. Journal of High Energy Physics, 2019, 2019, 1.	4.7	34
28	Model-independent bounds on $R(J/\psi)$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	32
29	Spectrum of hidden-charm, open-strange exotics in the dynamical diquark model. Physical Review D, 2021, 104, .	4.7	32
30	Compatibility of quark and resonant picture excited baryon multiplets in the $1/N_c$ expansion of QCD. Physical Review D, 2003, 68, .	4.7	31
31	Are there tetraquarks at large N_c in QCD(F)? Physical Review D, 2014, 90, .	4.7	31
32	Do the Λ_c^+ and Λ_b^0 have strange siblings?. Physical Review D, 2015, 92, .	4.7	31
33	Improved QCD form factor constraints and. Nuclear Physics B, 1997, 485, 275-290.	2.5	27
34	On the existence of heavy pentaquarks: The largeNc and heavy quark limits and beyond. Physical Review D, 2005, 72, .	4.7	26
35	SU(3) Clebsch-Gordan coefficients for baryon-meson coupling at arbitraryNc. Physical Review D, 2004, 70, .	4.7	25
36	Spectrum of the hidden-bottom and the hidden-charm-strange exotics in the dynamical diquark model. Physical Review D, 2020, 102, .	4.7	25

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37	Counting form factors of twist-two operators. Physical Review D, 2001, 63, .	4.7	23
38	Tetraquarks with exotic flavor quantum numbers at large N_c . Physical Review D, 2014, 89, .	4.7	22
39	Tetraquark cusp effects from diquark pair production. Physical Review D, 2015, 91, .	4.7	22
40	Spectroscopy of exotic hadrons formed from dynamical diquarks. Physical Review D, 2017, 96, .	4.7	21
41	Pion photoproduction amplitude relations in the $1/N_c$ expansion. Physical Review D, 2005, 71, .	4.7	18
42	Phenomenology of the baryon resonance 70-plet at large N_c . Physical Review D, 2005, 72, .	4.7	18
43	All you need is N_c : Baryon spectroscopy in two large N_c limits. Physical Review D, 2009, 80, .	4.7	18
44	Spectrum of p -wave hidden-charm exotic mesons in the diquark model. Physical Review D, 2020, 101, .	4.7	18
45	Pion-nucleon scattering relations at next-to-leading order in $1/N_c$. Physical Review D, 2004, 70, .	4.7	16
46	Large- N_c structure of tetraquark mesons. Physical Review D, 2013, 88, .	4.7	16
47	Precision model-independent bounds from a global analysis of B_c form factors. Physical Review D, 2019, 100, .	4.7	16
48	Naturalness of the Coleman-Glashow mass relation in the $1/N_c$ expansion: An update. Physical Review D, 2000, 62, .	4.7	15
49	$SU(3)$ baryon resonance multiplets in large N_c . Physical Review D, 2001, 63, .	4.1	15
50	True muonium $(\mu^+\mu^-)$ on the light front. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 125003.	3.6	15
51	QCD compositeness as revealed in exclusive vector boson reactions through double-photon annihilation: $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow V$ and $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow VV$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 174-179.	4.7	14
52	The dynamical diquark model: fine structure and isospin. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
53	Interplay of the chiral and large N_c limits in N_c scattering. Physical Review D, 2006, 74, .	4.7	13
54	Baryons in QCD at large N_c : A roundabout approach. Physical Review D, 2010, 81, .	4.7	12

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55	Quarkonium h states as arbiters of exoticity. Physical Review D, 2017, 96, .	4.7	12
56	Fine structure of pentaquark multiplets in the dynamical diquark model. Physical Review D, 2021, 104, .	4.7	12
57	Baryon magnetic moments in alternate1/Ncexpansions. Physical Review D, 2011, 83, .	4.7	10
58	Diquark substructure in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \tilde{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ photoproduction. Physical Review D, 2015, 92, .	4.7	10
59	Tests of the standard model in $B \rightarrow D^* \ell^+ \ell^-$, $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2018, 98, .	4.7	10
60	Alternate1/Ncexpansions and SU(3) breaking from baryon lattice results. Physical Review D, 2012, 86, .	4.7	9
61	Decoupling spurious baryon states in the1/Ncexpansion of QCD. Physical Review D, 2006, 74, .	4.7	8
62	The large $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	4.1	7
63	Hyperon radiative decays in the1/Ncexpansion. Physical Review D, 2004, 70, .	4.7	6
64	Gauged baryon and lepton number inMSSM4brane worlds. Physical Review D, 2011, 84, .	4.7	6
65	QCD constituent counting rules for neutral vector mesons. Physical Review D, 2018, 97, .	4.7	6
66	Heavy-Quark Hybrid Mass Splittings: Hyperfine and ϵ Ultrafine ϵ Few-Body Systems, 2018, 59, 1.	1.5	6
67	Radiative transitions of charmoniumlike exotics in the dynamical diquark model. Physical Review D, 2021, 103, .	4.7	6
68	Optimal parametrization of deviations from the tribimaximal form of the neutrino mass matrix. Physical Review D, 2009, 80, .	4.7	5
69	Collider signatures of the $N=3$ Lee-Wick standard model. Journal of High Energy Physics, 2012, 2012, 1.	4.7	5
70	Precision electroweak constraints on the $N=3$ Lee-Wick standard model. Physical Review D, 2013, 87, .	4.7	5
71	Realistic four-generation MSSM in Type II string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 343-350.	4.1	4
72	Lee-Wick standard model at finite temperature. Physical Review D, 2013, 88, .	4.7	4

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73	Above-threshold poles in model-independent form factor parametrizations. Physical Review D, 2015, 92, .	4.7	4
74	How often do diquarks form? A very simple model. Physical Review D, 2016, 94, .	4.7	3
75	Constituent Counting Rules and Exotic Hadrons. Few-Body Systems, 2018, 59, 1.	1.5	3
76	$1/N_c$ Corrections in Meson-Baryon scattering. Journal of High Energy Physics, 2007, 2007, 046-046.	4.7	2
77	$\bar{N}N\pi$ multi- $\bar{N}N$ scattering in the $1/N_c$ expansion. Physical Review D, 2007, 75, .	4.7	2
78	Tribimaximal neutrino mixing from $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.co.$	4.1	2
79	High resolution nonperturbative light-front simulations of the true muonium atom. Physical Review D, 2016, 94, .	4.7	2
80	Counting of generalized polarizabilities. Physical Review D, 2001, 64, .	4.7	1
81	Diquark correlations from nucleon charge radii. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 100-106.	4.1	1
82	An identity on SU(2) invariants. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 015206.	2.1	1
83	Pion electroproduction amplitude relations in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" > \langle \text{mml:mn} > 1 < / \text{mml:mn} > \langle \text{mml:mo} > / < / \text{mml:mo} > \langle \text{mml:msub} > \langle \text{mml:mi} > N < / \text{mml:mi} > \langle \text{mml:mi} > c < / \text{mml:mi} > < / \text{mml:msub} > \langle \text{mml:mi} > c < / \text{mml:mi} > < / \text{mml:math} >$	4.7	1
84	Nonperturbative True Muonium on the Light Front with TMSWIFT. Few-Body Systems, 2016, 57, 663-667.	1.5	1
85	The $1/N_c$ Approach for Baryon Resonances. International Journal of Modern Physics A, 2006, 21, 877-880.	1.5	0
86	BARYONS, IN $\langle \text{sub} > C < / \text{sub} > ..$, 2004, , .		0
87	BARYON RESONANCES IN THE $1/N_c$ EXPANSION. , 2005, , .		0
88	THE PION FORM FACTOR IN AdS/QCD. , 2008, , .		0