

# 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  | Radiative transitions of charmoniumlike exotics in the dynamical diquark model. Physical Review D, 2021, 103, .   | 4.7  | 6         |
| 2  | Spectrum of hidden-charm, open-strange exotics in the dynamical diquark model. Physical Review D, 2021, 104, .  | 4.7  | 32        |
| 3  | Fine structure of pentaquark multiplets in the dynamical diquark model. Physical Review D, 2021, 104, .   | 4.7  | 12        |
| 4  | Spectrum of the hidden-bottom and the hidden-charm-strange exotics in the dynamical diquark model. Physical Review D, 2020, 102, .  | 4.7  | 25        |
| 5  | Simple spectrum of $\chi_{c1}$ states in the dynamical diquark model. Physical Review D, 2020, 102, .   | 4.7  | 56        |
| 6  | Spectrum of $\chi_{c1}$ states in the dynamical diquark model. Physical Review D, 2020, 101, .  | 4.7  | 18        |
| 7  | The dynamical diquark model: fine structure and isospin. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7  | 14        |
| 8  | The dynamical diquark model: first numerical results. Journal of High Energy Physics, 2019, 2019, 1.  | 4.7  | 34        |
| 9  | Precision model-independent bounds from a global analysis of $B \rightarrow D^* \ell \nu$ form factors. Physical Review D, 2019, 100, .   | 4.7  | 16        |
| 10 | QCD constituent counting rules for neutral vector mesons. Physical Review D, 2018, 97, .  | 4.7  | 6         |
| 11 | Model-independent bounds on $R(J/\psi)$ . Journal of High Energy Physics, 2018, 2018, 1.  | 4.7  | 32        |
| 12 | Tests of the standard model in $B \rightarrow D^* \ell \nu$ , $B \rightarrow D^* \ell \nu$ , and $B_c \rightarrow J/\psi \ell \nu$ . Physical Review D, 2018, 98, 7.  | 4.7  | 10        |
| 13 | Constituent Counting Rules and Exotic Hadrons. Few-Body Systems, 2018, 59, 1.   | 1.5  | 3         |
| 14 | Heavy-Quark Hybrid Mass Splittings: Hyperfine and $\epsilon$ -Ultrafine. Few-Body Systems, 2018, 59, 1.   | 1.5  | 6         |
| 15 | Heavy-quark QCD exotica. Progress in Particle and Nuclear Physics, 2017, 93, 143-194.   | 14.4 | 497       |
| 16 | QCD compositeness as revealed in exclusive vector boson reactions through double-photon annihilation: $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow V^0 V^0$ and $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow V^0 V^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 174-179. | 4.7  | 4         |
| 17 | Quarkonium h states as arbiters of exoticity. Physical Review D, 2017, 96, .  | 4.7  | 12        |
| 18 | Spectroscopy of exotic hadrons formed from dynamical diquarks. Physical Review D, 2017, 96, .   | 4.7  | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | How often do diquarks form? A very simple model. Physical Review D, 2016, 94, .<br><math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>\langle \mathbb{1} \rangle</math></math><br>stretchy="false"></math> Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 707 Td (stretchy="false"></math> | 4.7 | 3         |
| 20 | High resolution nonperturbative light-front simulations of the true muonium atom. Physical Review D, 2016, 94, .  | 4.7 | 65        |
| 21 | Nonperturbative True Muonium on the Light Front with TMSWIFT. Few-Body Systems, 2016, 57, 663-667.  | 1.5 | 1         |
| 23 | 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       |
| 24 | Tetraquark cusp effects from diquark pair production. Physical Review D, 2015, 91, .  | 4.7 | 22        |
| 25 | QCD dynamics of tetraquark production. Physical Review D, 2015, 91, .   | 4.7 | 44        |
| 26 | Diquark substructure in <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>\langle \mathbb{1} \rangle</math></math> photoproduction. Physical Review D, 2015, 92, .  | 4.7 | 10        |
| 27 | Do the <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>P_c</math></math> have strange siblings?. Physical Review D, 2015, 92, .   |     |           |
| 28 | Above-threshold poles in model-independent form factor parametrizations. Physical Review D, 2015, 92, .   | 4.7 | 4         |
| 29 | True muonium $\langle \mu^+ \mu^- \rangle$ on the light front. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 125003.  | 3.6 | 15        |
| 30 | Dynamical Picture for the Formation and Decay of the Exotic <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>X</math></math> Mesons. Physical Review Letters, 2014, 113, 112001.   | 7.8 | 141       |
| 31 | Are there tetraquarks at large <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>N_c</math></math> in QCD(F)? Physical Review D, 2014, 90, .  | 4.7 | 31        |
| 32 | Tetraquarks with exotic flavor quantum numbers at large <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>N_c</math></math> in QCD(AS). Physical Review D, 2014, 89, .  | 4.7 | 22        |
| 33 | Lee-Wick standard model at finite temperature. Physical Review D, 2013, 88, .   | 4.7 | 4         |
| 34 | Large- <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><math>N_c</math></math> structure of tetraquark mesons. Physical Review D, 2013, 88, .   | 4.7 | 16        |
| 35 | Precision electroweak constraints on the $N=3$ Lee-Wick standard model. Physical Review D, 2013, 87, .  | 4.7 | 5         |
| 36 | Alternate $N_c$ expansions and SU(3) breaking from baryon lattice results. Physical Review D, 2012, 86, .   | 4.7 | 9         |

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|----|--|-----|-----------|
| 37 | Collider signatures of the $N=3$ Lee-Wick standard model. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 5         |
| 38 | Gauged baryon and lepton number in MSSM 4-brane worlds. Physical Review D, 2011, 84, .   | 4.7 | 6         |
| 39 | Tribimaximal neutrino mixing from $SU(3)_C \times SU(3)_L \times U(1)_{B-L}$ symmetry breaking. Journal of High Energy Physics, 2011, 2011, 1.                 | 4.1 | 2         |
| 40 | 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         |
| 41 | Baryon magnetic moments in alternate $1/N_c$ expansions. Physical Review D, 2011, 83, .  | 4.7 | 10        |
| 42 | Baryons in $N=3$ QCD. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 12        |
| 43 | Production of the Smallest QED Atom: True Muonium ( $\mu^+e^-$ ). Physical Review Letters, 2009, 102, 213401.  | 7.8 | 96        |
| 44 | Pion electroproduction amplitude relations in the $N=3$ QCD. Physical Review D, 2009, 80, .  | 4.7 | 1         |
| 45 | A higher-derivative Lee-Wick standard model. Journal of High Energy Physics, 2009, 2009, 043-043.  | 4.7 | 53        |
| 46 | Optimal parametrization of deviations from the tribimaximal form of the neutrino mass matrix. Physical Review D, 2009, 80, .                                   | 4.7 | 5         |
| 47 | All you need is $N=3$ : Baryon spectroscopy in two large $N_c$ limits. Physical Review D, 2009, 80, .  | 4.7 | 18        |
| 48 | 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        |
| 49 | Pion form factor in improved holographic QCD backgrounds. Physical Review D, 2008, 77, .   | 4.7 | 57        |
| 50 | Pion form factors in holographic QCD. Journal of High Energy Physics, 2008, 2008, 027-027.   | 4.7 | 71        |
| 51 | An identity on $SU(2)$ invariants. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 015206.   | 2.1 | 1         |
| 52 | THE PION FORM FACTOR IN AdS/QCD. , 2008, , .   |     | 0         |
| 53 | $1/N_c$ Corrections in Meson-Baryon scattering. Journal of High Energy Physics, 2007, 2007, 046-046.   | 4.7 | 2         |
| 54 | $\pi^0 \rightarrow \gamma \gamma$ scattering in the $1/N_c$ expansion. Physical Review D, 2007, 75, .  | 4.7 | 2         |

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|----|---|-----|-----------|
| 55 | Interplay of the chiral and large $N_c$ limits in $\pi N$ scattering. Physical Review D, 2006, 74, .  | 4.7 | 13        |
| 56 | Decoupling spurious baryon states in the $1/N_c$ expansion of QCD. Physical Review D, 2006, 74, .   | 4.7 | 8         |
| 57 | Diquark correlations from nucleon charge radii. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 100-106.<br>The large $\langle r^2 \rangle$ in the $1/N_c$ expansion | 4.1 | 1         |
| 58 | The large $\langle r^2 \rangle$ in the $1/N_c$ expansion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 100-106.   | 4.1 | 7         |
| 59 | The $1/N_c$ Approach for Baryon Resonances. International Journal of Modern Physics A, 2006, 21, 877-880.<br>SU(3) baryon resonance multiplets in large $N_c$   | 1.5 | 0         |
| 60 | SU(3) baryon resonance multiplets in large $N_c$ . International Journal of Modern Physics A, 2006, 21, 877-880.  | 4.1 | 15        |
| 61 | Pion photoproduction amplitude relations in the $1/N_c$ expansion. Physical Review D, 2005, 71, .   | 4.7 | 18        |
| 62 | On the existence of heavy pentaquarks: The large $N_c$ and heavy quark limits and beyond. Physical Review D, 2005, 72, .  | 4.7 | 26        |
| 63 | Phenomenology of the baryon resonance 70-plet at large $N_c$ . Physical Review D, 2005, 72, .   | 4.7 | 18        |
| 64 | BARYON RESONANCES IN THE $1/N_c$ EXPANSION. , 2005, , .   |     | 0         |
| 65 | Excited baryon decay widths in large $N_c$ QCD. Physical Review D, 2004, 69, .  | 4.7 | 34        |
| 66 | Complete analysis of baryon magnetic moments in the $1/N_c$ expansion. Physical Review D, 2004, 70, .   | 4.7 | 34        |
| 67 | Hyperon radiative decays in the $1/N_c$ expansion. Physical Review D, 2004, 70, .   | 4.7 | 6         |
| 68 | SU(3) Clebsch-Gordan coefficients for baryon-meson coupling at arbitrary $N_c$ . Physical Review D, 2004, 70, .   | 4.7 | 25        |
| 69 | Pion-nucleon scattering relations at next-to-leading order in $1/N_c$ . Physical Review D, 2004, 70, .  | 4.7 | 16        |
| 70 | Partners of the $\hat{\tau}^+$ in large $N_c$ QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 150-155.  | 4.1 | 45        |
| 71 | BARYONS, IN $1/N_c$ EXPANSION. , 2004, , .  |     | 0         |
| 72 | Excited baryons in large $N_c$ QCD reexamined: The resonance picture versus single-quark excitations. Physical Review D, 2003, 67, .  | 4.7 | 48        |

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|----|--|-----|-----------|
| 73 | New Relations for Excited Baryons in Large-NcQCD. Physical Review Letters, 2003, 91, 012001.   | 7.8 | 57        |
| 74 | 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        |
| 75 | Supersymmetric noncommutative QED and Lorentz violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 337-343.               | 4.1 | 60        |
| 76 | Bounding noncommutative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 518, 201-206.   | 4.1 | 159       |
| 77 | Counting of generalized polarizabilities. Physical Review D, 2001, 64, .   | 4.7 | 1         |
| 78 | Counting form factors of twist-two operators. Physical Review D, 2001, 63, .   | 4.7 | 23        |
| 79 | Naturalness of the Coleman-Glashow mass relation in the $1/N_c$ expansion: An update. Physical Review D, 2000, 62, .   | 4.7 | 15        |
| 80 | Maximal neutrino mixing from a minimal flavor symmetry. Physical Review D, 2000, 62, .   | 4.7 | 85        |
| 81 | Operator analysis of $\Lambda=1$ baryon masses in large $N_c$ QCD. Physical Review D, 1999, 59, .  | 4.7 | 87        |
| 82 | 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        |
| 83 | Precision corrections to dispersive bounds on form factors. Physical Review D, 1997, 56, 6895-6911.  | 4.7 | 159       |
| 84 | Improved QCD form factor constraints and. Nuclear Physics B, 1997, 485, 275-290.   | 2.5 | 27        |
| 85 | Model-independent determinations of form factors. Nuclear Physics B, 1996, 461, 493-511.   | 2.5 | 120       |
| 86 | 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        |
| 87 | Constraints on Form Factors for Exclusive Semileptonic Heavy to Light Meson Decays. Physical Review Letters, 1995, 74, 4603-4606.  | 7.8 | 217       |
| 88 | Baryon mass splittings in the $1/N_c$ expansion. Physical Review D, 1995, 52, 282-294.   | 4.7 | 111       |