

Felipe J Llanes-Estrada

List of Publications by Year in descending order

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110
papers

1,944
citations

218592

26
h-index

276775

41
g-index

112
all docs

112
docs citations

112
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Functions and infrared fixed point in Landau gauge $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/commen/table/dtd" display="block" style="float: left; width: 100%; height: 1em; margin-bottom: 5px;">$	1.5	152
2	The quark-gluon vertex in Landau gauge QCD: Its role in dynamical chiral symmetry breaking and quark confinement. <i>Annals of Physics</i> , 2009, 324, 106-172.	1.0	139
3	Meson Structure in a Relativistic Many-Body Approach. <i>Physical Review Letters</i> , 2000, 84, 1102-1105.	2.9	80
4	Viscosity of meson matter. <i>Physical Review D</i> , 2004, 69, .	1.6	75
5	$\Upsilon(4260)$ and possible charmonium assignment. <i>Physical Review D</i> , 2005, 72, .	1.6	73
6	Shear viscosity in a CFL quark star. <i>Journal of High Energy Physics</i> , 2005, 2005, 076-076.	1.6	66
7	Charm diffusion in a pion gas implementing unitarity, chiral and heavy quark symmetries. <i>Annals of Physics</i> , 2011, 326, 2737-2772.	1.0	57
8	Relativistic many-body Hamiltonian approach to mesons. <i>Nuclear Physics A</i> , 2002, 697, 303-337.	0.6	51
9	Bulk viscosity of low-temperature strongly interacting matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 702, 43-48.	1.5	50
10	One-loop $W L W L$ and $Z L Z L$ scattering from the electroweak Chiral Lagrangian with a light Higgs-like scalar. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	50
11	J -Glueballs and a Low Odderon Intercept. <i>Physical Review Letters</i> , 2006, 96, 081601.	2.9	45
12	Muonic-hydrogen Lamb shift: Dispersing the nucleon-excitation uncertainty with a finite-energy sum rule. <i>Physical Review A</i> , 2013, 87, .	1.0	45
13	Is the $\tilde{\Gamma} + a\tilde{K}$ bound state?. <i>Physical Review C</i> , 2004, 69, .	1.1	43
14	Light \hat{a}^{Higgs} , yet strong interactions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 025002.	1.4	41
15	Coulomb gauge approach to $qq\bar{l}g$ hybrid mesons. <i>European Physical Journal C</i> , 2007, 51, 347-358.	1.4	39
16	Many-body Coulomb gauge exotic and charmed hybrids. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 504, 15-20.	1.5	38
17	Bulk viscosity in a cold CFL superfluid. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 001-001.	1.9	37
18	Local two-photon couplings and the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: 1em; margin-bottom: 5px;">\langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ fixed pole in real and virtual Compton scattering. <i>Physical Review D</i> , 2009, 79, .	1.6	37

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19	QCD glueball Regge trajectory and the pomeron. Nuclear Physics A, 2002, 710, 45-54.	0.6	36
20	Hyperfine meson splittings: chiral symmetry versus transverse gluon exchange. Physical Review C, 2004, 70, .	1.1	36
21	Minimum of \hat{f}_π and the phase transition of the linear sigma model in the large- N limit. Physical Review D, 2009, 80, .	1.6	35
22	Unitarity, analyticity, dispersion relations, and resonances in strongly interacting χ PT. Physical Review D, 2015, 91, .	1.6	32
23	DYNAMICALLY INDUCED SCALAR QUARK CONFINEMENT. Modern Physics Letters A, 2008, 23, 1105-1113.	0.5	31
24	A first estimate of triply heavy baryon masses from the pNRQCD perturbative static potential. European Physical Journal C, 2012, 72, 1.	1.4	30
25	Quark mass dependence of the pion vector form factor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 90-96.	1.5	28
26	\hat{f}_π and phase transitions. Physical Review D, 2009, 79, .	1.6	26
27	Possible New Resonance from χ PT. Physical Review Letters, 2015, 114, 221803.	1.6	22
28	Finite-temperature pion scattering to one loop in chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 550, 55-64.	1.5	24
29	Nonordinary light meson couplings and the χ PT expansion. Physical Review D, 2014, 90, .	1.6	22
30	The BES $f_0(1810)$: a new glueball candidate. European Physical Journal C, 2007, 52, 363-374.	1.4	21
31	Existence of two-solar-mass neutron star constrains gravitational constant G_N at strong field. Physical Review C, 2012, 85, .	1.1	21
32	Hadron physics potential of future high-luminosity B-factories at the $\Upsilon(5S)$ and above. European Physical Journal A, 2013, 49, 1.	1.0	19
33	nEoS: neutron star equation of state from hadron physics alone. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 084001.	1.4	18
34	Light exotics: Molecular resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 216-223.	1.5	17
35	Two infrared Yang-Mills solutions in stochastic quantization and in an effective action formalism. Physical Review D, 2012, 86, .	1.6	17
36	Hadron matter in neutron stars in view of gravitational wave observations. Progress in Particle and Nuclear Physics, 2019, 109, 103715.	5.6	17

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37	Quark Schwinger-Dyson evaluation of the $1,2$ coefficients in the chiral Lagrangian. Physical Review D, 2003, 68, .	1.6	15
38	The Status of the KSS Bound and its Possible Violations (How Perfect Can a Fluid Be?). AIP Conference Proceedings, 2008, , .	0.3	15
39	Probing the Infrared Quark Mass from Highly Excited Baryons. Physical Review Letters, 2009, 103, 092003.	2.9	15
40	Semiperturbative construction for the quark-gluon vertex. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 43-46.	0.5	14
41	Renormalization scale-fixing for complex scattering amplitudes. European Physical Journal C, 2006, 46, 751-758.	1.4	14
42	On the violation of the holographic viscosity versus entropy KSS bound in non-relativistic systems. European Physical Journal C, 2007, 51, 913-918.	1.4	13
43	Boost operators in Coulomb gauge QCD: The pion form factor and Fock expansions in ϕ radiative decays. European Physical Journal A, 2010, 44, 411-424.	1.0	12
44	Finite temperature pion vector form factors in chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 606, 351-360.	1.5	11
45	Top-antitop production from $W^+ W^-$ and $Z W^+ W^-$ and $Z Z$ scattering under a strongly interacting symmetry-breaking sector. European Physical Journal C, 2017, 77, 1.	1.4	11
46	Glueballs as the lthaca of meson spectroscopy. European Physical Journal: Special Topics, 2021, 230, 1575-1592.	1.2	11
47	Dynamical mass generation in Landau gauge QCD. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 128-133.	0.5	10
48	Heavy Quark Fluorescence. Physical Review Letters, 2010, 105, 022003.	2.9	10
49	When hadrons become unstable: A novel type of non-analyticity in chiral extrapolations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 510-515.	1.5	10
50	Mapping chiral symmetry breaking in the excited baryon spectrum. Physical Review D, 2016, 94, .	1.6	10
51	Coupling WW, ZZ unitarized amplitudes to $\gamma\gamma$ in the TeV region. European Physical Journal C, 2017, 77, 1.	1.4	10
52	Two-meson cloud contribution to the baryon antidecuplet binding. Physical Review C, 2005, 71, .	1.1	9
53	Production Cross-Section Estimates for Strongly-Interacting Electroweak-Symmetry Breaking Sector Resonances at Particle Colliders. Communications in Theoretical Physics, 2015, 64, 701-709.	1.1	9
54	Shannon entropy and particle decays. Nuclear Physics B, 2018, 930, 583-596.	0.9	9

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55	Fock space expansion of $\bar{f}f$ meson in leading-Nc. Nuclear Physics, Section B, Proceedings Supplements, 2010, 207-208, 169-172.	0.5	8
56	CUBIC NEUTRONS. Modern Physics Letters A, 2012, 27, 1250033.	0.5	8
57	Relativistic many-body approach to exotic and charmed hybrid mesons. Nuclear Physics A, 2001, 689, 481-484.	0.6	7
58	Collider production of electroweak resonances from $\hat{1}\hat{3}\hat{3}$ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
59	The ratio of viscosity to entropy density in a pion gas satisfies the KSS holographic bound. European Physical Journal C, 2007, 49, 1011-1013.	1.4	6
60	From Euclidean to Minkowski space with the Cauchy-Riemann equations. European Physical Journal C, 2008, 56, 557-569.	1.4	6
61	Bulk viscosity and energy-momentum correlations in high energy hadron collisions. European Physical Journal C, 2012, 72, 1.	1.4	6
62	Constraining gravity with hadron physics: neutron stars, modified gravity and gravitational waves. EPJ Web of Conferences, 2017, 137, 01013.	0.1	6
63	Unbiased interpolated neutron-star EoS at finite T for modified gravity studies. European Physical Journal A, 2022, 58, 1.	1.0	6
64	Maximum latent heat of neutron star matter independent of general relativity. Physical Review C, 2022, 105, .	1.1	6
65	Radiation reaction on a classical charged particle: A modified form of the equation of motion. Physical Review E, 2013, 88, 033203.	0.8	5
66	Strange and heavy mesons in hadronic matter. Journal of Physics: Conference Series, 2014, 503, 012017.	0.3	5
67	Resonant production of W_h and Z_h at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
68	Fermion family recurrences in the Dyson-Schwinger formalism. European Physical Journal C, 2007, 51, 945-952.	1.4	4
69	To What Extent is Gluon Confinement an Empirical Fact?. Few-Body Systems, 2013, 54, 1705-1717.	0.7	4
70	Angular power spectrum in publically released ALICE events. Nuclear Physics A, 2018, 970, 107-132.	0.6	4
71	Using QCD counting rules to identify the production of gluonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 405-410.	1.5	4
72	Chiral symmetry and hyperfine $\overline{q}q$ splittings. European Physical Journal C, 2004, 33, s521-s523.	1.4	3

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73	Studying unquenching effects in QCD with Dyson-Schwinger equations. Nuclear Physics, Section B, Proceedings Supplements, 2006, 153, 90-97.	0.5	3
74	WHAT THE INFRARED BEHAVIOR OF QCD VERTEX FUNCTIONS IN LANDAU GAUGE CAN TELL US ABOUT CONFINEMENT. International Journal of Modern Physics E, 2007, 16, 2720-2732.	0.4	3
75	Strongly interacting electroweak symmetry breaking sector with a Higgs-like light scalar. , 2014, , .		3
76	D -meson diffusion in hadronic matter. Journal of Physics: Conference Series, 2014, 503, 012020.	0.3	3
77	Unitarity in composite Higgs boson approaches with vector resonances. Physical Review D, 2015, 91, .	1.6	3
78	Entropy production in the early-cosmology pionic phase. International Journal of Modern Physics A, 2016, 31, 1650118.	0.5	3
79	Spontaneous mass generation and the small dimensions of the Standard Model gauge groups U (1), SU (2) and SU (3). Nuclear Physics B, 2017, 915, 262-284.	0.9	3
80	Mixing and m dependence of axial vector mesons in the Coulomb gauge QCD model. Physical Review D, 2019, 100, .	1.6	3
81	Heating triangle singularities in heavy ion collisions. European Physical Journal C, 2021, 81, 1.	1.4	3
82	Elongated Gravity Sources as an Analytical Limit for Flat Galaxy Rotation Curves. Universe, 2021, 7, 346.	0.9	3
83	Heavy flavor relaxation in a hadronic medium. Nuclear Physics A, 2013, 914, 505-511.	0.6	2
84	Shear and bulk viscosities of a photon gas at low temperature. Physical Review D, 2013, 88, .	1.6	2
85	Strongly interacting WLWL, ZLZL and hh from unitarized one-loop computations. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2436-2438.	0.2	2
86	Chiral Symmetry Breaking for Fermions Charged under Large Lie Groups. Communications in Theoretical Physics, 2019, 71, 410.	1.1	2
87	Coulomb gauge hybrid meson calculation. Nuclear Physics, Section B, Proceedings Supplements, 2000, 90, 117-119.	0.5	1
88	$\hat{1}/s$ is critical (at phase transitions). , 2009, , .		1
89	Using highly excited baryons to catch the quark mass. EPJ Web of Conferences, 2010, 3, 03012.	0.1	1
90	Bragg diffraction and the iron crust of cold neutron stars. Astrophysics and Space Science, 2012, 337, 129-135.	0.5	1

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91	How to identify gluonium states using QCD counting rules. , 2019, , .		1
92	Quark mass dependence of the pion vector form factor. , 2009, , .		1
93	Mesons and hybrids in a relativistic many body theory. AIP Conference Proceedings, 2000, , .	0.3	0
94	Two-meson cloud contribution to the baryon antidecuplet self-energy. Nuclear Physics A, 2005, 755, 395-398.	0.6	0
95	Brief introduction to viscosity in hadron physics. , 2010, , .		0
96	Quark mass dependence of light and heavy systems. , 2011, , .		0
97	Soft interactions in jet quenching. International Journal of Modern Physics A, 2015, 30, 1550067.	0.5	0
98	Cubic Wavefunction Deformation of Compressed Atoms. Few-Body Systems, 2015, 56, 231-240.	0.7	0
99	Velocity fluctuations of fission fragments. International Journal of Modern Physics E, 2016, 25, 1650009.	0.4	0
100	Erratum to "Spontaneous mass generation and the small dimensions of the Standard Model gauge groups U(1), SU(2) and SU(3)" [Nucl. Phys. B 915 (2017) 262-284]. Nuclear Physics B, 2019, 949, 114755.	0.9	0
101	Assessment of systematic theory uncertainties in IAM unitarization. Nuclear and Particle Physics Proceedings, 2021, 312-317, 82-86.	0.2	0
102	HADRONS IN A RELATIVISTIC MANY-BODY APPROACH. , 2001, , .		0
103	Many-Body Approach to Mesons, Hybrids and Glueballs. , 2002, , 90-101.		0
104	Reggeon Non-Factorizability and the J=0 Fixed Pole in DVCS. , 2009, , .		0
105	Response to a comment in these proceedings. , 2009, , .		0
106	VISCOSITY NEAR PHASE TRANSITIONS. , 2011, , .		0
107	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 81.	0.0	0
108	Unitarized HEFT for strongly interacting longitudinal electroweak gauge bosons with resonances.. , 2018, , .		0

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109	Lightest flavor-singlet qq̄ baryons as witnesses to color. Physical Review D, 2020, 102, .	1.6	0
110	Heat conductivity of a pion gas. , 2007, , 613-615.		0