

# Felipe J Llanes-Estrada

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94  
papers

1,655  
citations

24  
h-index

37  
g-index

112  
ext. papers

1,816  
ext. citations

3.4  
avg, IF

4.98  
L-index

#	Paper	IF	Citations
94	Unbiased interpolated neutron-star EoS at finite T for modified gravity studies. <i>European Physical Journal A</i> , <b>2022</b> , 58, 1	2.5	1
93	Heating triangle singularities in heavy ion collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
92	Glueballs as the Ithaca of meson spectroscopy. <i>European Physical Journal: Special Topics</i> , <b>2021</b> , 230, 15752-15923	2.1	3
91	Assessment of systematic theory uncertainties in IAM unitarization. <i>Nuclear and Particle Physics Proceedings</i> , <b>2021</b> , 312-317, 82-86	0.4	
90	Elongated Gravity Sources as an Analytical Limit for Flat Galaxy Rotation Curves. <i>Universe</i> , <b>2021</b> , 7, 346	2.5	1
89	nEoS: neutron star equation of state from hadron physics alone. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2019</b> , 46, 084001	2.9	9
88	Hadron matter in neutron stars in view of gravitational wave observations. <i>Progress in Particle and Nuclear Physics</i> , <b>2019</b> , 109, 103715	10.6	12
87	Using QCD counting rules to identify the production of gluonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 405-410	4.2	3
86	Chiral Symmetry Breaking for Fermions Charged under Large Lie Groups. <i>Communications in Theoretical Physics</i> , <b>2019</b> , 71, 410	2.4	1
85	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]. <i>Nuclear Physics B</i> , <b>2019</b> , 949, 114755	2.8	
84	Mixing and $m_q$ dependence of axial vector mesons in the Coulomb gauge QCD model. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	2
83	Shannon entropy and particle decays. <i>Nuclear Physics B</i> , <b>2018</b> , 930, 583-596	2.8	4
82	Resonant production of Wh and Zh at the LHC. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3
81	Angular power spectrum in publically released ALICE events. <i>Nuclear Physics A</i> , <b>2018</b> , 970, 107-132	1.3	4
80	Collider production of electroweak resonances from $\mathbb{B}$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
79	Spontaneous mass generation and the small dimensions of the Standard Model gauge groups U(1), SU(2) and SU(3). <i>Nuclear Physics B</i> , <b>2017</b> , 915, 262-284	2.8	2
78	Coupling WW, ZZ unitarized amplitudes to $(\gamma\gamma)$ in the TeV region. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	9

77	Top-antitop production from $(W^+ W^-)$ and $(Z Z)$ scattering under a strongly interacting symmetry-breaking sector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	7
76	Constraining gravity with hadron physics: neutron stars, modified gravity and gravitational waves. <i>EPJ Web of Conferences</i> , <b>2017</b> , 137, 01013	0.3	5
75	Mapping chiral symmetry breaking in the excited baryon spectrum. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	8
74	Velocity fluctuations of fission fragments. <i>International Journal of Modern Physics E</i> , <b>2016</b> , 25, 1650009	0.7	
73	Entropy production in the early-cosmology pion phase. <i>International Journal of Modern Physics A</i> , <b>2016</b> , 31, 1650118	1.2	3
72	Strongly interacting $WLWL$ , $ZLZL$ and $hh$ from unitarized one-loop computations. <i>Nuclear and Particle Physics Proceedings</i> , <b>2016</b> , 273-275, 2436-2438	0.4	1
71	Soft interactions in jet quenching. <i>International Journal of Modern Physics A</i> , <b>2015</b> , 30, 1550067	1.2	
70	Cubic Wavefunction Deformation of Compressed Atoms. <i>Few-Body Systems</i> , <b>2015</b> , 56, 231-240	1.6	
69	Unitarity, analyticity, dispersion relations, and resonances in strongly interacting $WLWL$ , $ZLZL$ , and $hh$ scattering. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	23
68	Unitarity in composite Higgs boson approaches with vector resonances. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	3
67	Possible New Resonance from $W_{\{L\}}W_{\{L\}}-hh$ Interchannel Coupling. <i>Physical Review Letters</i> , <b>2015</b> , 114, 221803	7.4	19
66	Production Cross-Section Estimates for Strongly-Interacting Electroweak-Symmetry Breaking Sector Resonances at Particle Colliders. <i>Communications in Theoretical Physics</i> , <b>2015</b> , 64, 701-709	2.4	7
65	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> , <b>2014</b> , 2014, 1	5.4	36
64	D-meson diffusion in hadronic matter. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 503, 012020	0.3	0
63	Strange and heavy mesons in hadronic matter. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 503, 012017	0.3	5
62	Light Higgs-like strong interactions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 025002	2.9	34
61	Strongly interacting electroweak symmetry breaking sector with a Higgs-like light scalar <b>2014</b> ,		2
60	Nonordinary light meson couplings and the $1/N_c$ expansion. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	21

59	To What Extent is Gluon Confinement an Empirical Fact?. <i>Few-Body Systems</i> , <b>2013</b> , 54, 1705-1717	1.6	2
58	Hadron physics potential of future high-luminosity B-factories at the $\sqrt{s}$ and above. <i>European Physical Journal A</i> , <b>2013</b> , 49, 1	2.5	17
57	Radiation reaction on a classical charged particle: a modified form of the equation of motion. <i>Physical Review E</i> , <b>2013</b> , 88, 033203	2.4	3
56	Heavy flavor relaxation in a hadronic medium. <i>Nuclear Physics A</i> , <b>2013</b> , 914, 505-511	1.3	2
55	Muonic-hydrogen Lamb shift: Dispersing the nucleon-excitation uncertainty with a finite-energy sum rule. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	42
54	Shear and bulk viscosities of a photon gas at low temperature. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	2
53	Bulk viscosity and energy-momentum correlations in high energy hadron collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	6
52	A first estimate of triply heavy baryon masses from the pNRQCD perturbative static potential. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
51	Bragg diffraction and the iron crust of cold neutron stars. <i>Astrophysics and Space Science</i> , <b>2012</b> , 337, 129-185		1
50	Existence of two-solar-mass neutron star constrains gravitational constant $G_N$ at strong field. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	17
49	Two infrared Yang-Mills solutions in stochastic quantization and in an effective action formalism. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	17
48	CUBIC NEUTRONS. <i>Modern Physics Letters A</i> , <b>2012</b> , 27, 1250033	1.3	4
47	Bulk viscosity of low-temperature strongly interacting matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 702, 43-48	4.2	42
46	When hadrons become unstable: A novel type of non-analyticity in chiral extrapolations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 703, 510-515	4.2	10
45	Charm diffusion in a pion gas implementing unitarity, chiral and heavy quark symmetries. <i>Annals of Physics</i> , <b>2011</b> , 326, 2737-2772	2.5	51
44	Heavy quark fluorescence. <i>Physical Review Letters</i> , <b>2010</b> , 105, 022003	7.4	8
43	Boost operators in Coulomb gauge QCD: The pion form factor and Fock expansions in $(\phi)$ radiative decays. <i>European Physical Journal A</i> , <b>2010</b> , 44, 411-424	2.5	12
42	Fock space expansion of $\chi$ meson in leading- $N_c$ . <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2010</b> , 207-208, 169-172		8

41	Probing the infrared quark mass from highly excited baryons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 092003	7.4	14
40	Quark mass dependence of the pion vector form factor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 678, 90-96	4.2	26
39	The quark-gluon vertex in Landau gauge QCD: Its role in dynamical chiral symmetry breaking and quark confinement. <i>Annals of Physics</i> , <b>2009</b> , 324, 106-172	2.5	116
38	Minimum of $\beta_s$ and the phase transition of the linear sigma model in the large-N limit. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	31
37	$\beta_s$ and phase transitions. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	23
36	Local two-photon couplings and the J=0 fixed pole in real and virtual Compton scattering. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	35
35	DYNAMICALLY INDUCED SCALAR QUARK CONFINEMENT. <i>Modern Physics Letters A</i> , <b>2008</b> , 23, 1105-1113	1.3	25
34	The Status of the KSS Bound and its Possible Violations (How Perfect Can a Fluid Be?). <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	11
33	From Euclidean to Minkowski space with the Cauchy-Riemann equations. <i>European Physical Journal C</i> , <b>2008</b> , 56, 557-569	4.2	5
32	Light exotics: Molecular resonances. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 653, 216-223	4.2	13
31	The ratio of viscosity to entropy density in a pion gas satisfies the KSS holographic bound. <i>European Physical Journal C</i> , <b>2007</b> , 49, 1011-1013	4.2	5
30	Coulomb gauge approach to qq g hybrid mesons. <i>European Physical Journal C</i> , <b>2007</b> , 51, 347-358	4.2	36
29	On the violation of the holographic viscosity versus entropy KSS bound in non-relativistic systems. <i>European Physical Journal C</i> , <b>2007</b> , 51, 913-918	4.2	8
28	Fermion family recurrences in the Dyson-Schwinger formalism. <i>European Physical Journal C</i> , <b>2007</b> , 51, 945-952	4.2	4
27	The BES f <sub>0</sub> (1810): a new glueball candidate. <i>European Physical Journal C</i> , <b>2007</b> , 52, 363-374	4.2	18
26	WHAT THE INFRARED BEHAVIOR OF QCD VERTEX FUNCTIONS IN LANDAU GAUGE CAN TELL US ABOUT CONFINEMENT. <i>International Journal of Modern Physics E</i> , <b>2007</b> , 16, 2720-2732	0.7	3
25	Bulk viscosity in a cold CFL superfluid. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2007</b> , 2007, 001-001	1.4	33
24	Heat conductivity of a pion gas <b>2007</b> , 613-615		

23	J-- glueballs and a low odderon intercept. <i>Physical Review Letters</i> , <b>2006</b> , 96, 081601	7.4	37
22	Semiperturbative construction for the quark-gluon vertex. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 152, 43-46		13
21	Studying unquenching effects in QCD with Dyson-Schwinger equations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 153, 90-97		3
20	Renormalization scale-fixing for complex scattering amplitudes. <i>European Physical Journal C</i> , <b>2006</b> , 46, 751-758	4.2	14
19	Finite temperature pion vector form factors in chiral perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 606, 351-360	4.2	10
18	Vertex functions and infrared fixed point in Landau gauge . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 611, 279-288	4.2	142
17	Two-meson cloud contribution to the baryon antidecuplet self-energy. <i>Nuclear Physics A</i> , <b>2005</b> , 755, 395-398		
16	Dynamical mass generation in Landau gauge QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2005</b> , 141, 128-133		10
15	Shear viscosity in a CFL quark star. <i>Journal of High Energy Physics</i> , <b>2005</b> , 2005, 076-076	5.4	58
14	Y(4260) and possible charmonium assignment. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	66
13	Two-meson cloud contribution to the baryon antidecuplet binding. <i>Physical Review C</i> , <b>2005</b> , 71,	2.7	7
12	Hyperfine meson splittings: chiral symmetry versus transverse gluon exchange. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	33
11	Viscosity of meson matter. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	67
10	Is the $\Xi$ a $K\bar{K}$ bound state?. <i>Physical Review C</i> , <b>2004</b> , 69,	2.7	40
9	Chiral symmetry and hyperfine ( $\overline{q}$ ) splittings. <i>European Physical Journal C</i> , <b>2004</b> , 33, s521-s523	4.2	3
8	Quark Schwinger-Dyson evaluation of the $l_1, l_2$ coefficients in the chiral Lagrangian. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	14
7	Finite-temperature pion scattering to one loop in chiral perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 550, 55-64	4.2	20
6	Relativistic many-body Hamiltonian approach to mesons. <i>Nuclear Physics A</i> , <b>2002</b> , 697, 303-337	1.3	45

5	QCD glueball Regge trajectory and the pomeron. <i>Nuclear Physics A</i> , <b>2002</b> , 710, 45-54	1.3	33
4	Many-body Coulomb gauge exotic and charmed hybrids. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 504, 15-20	4.2	35
3	Relativistic many-body approach to exotic and charmed hybrid mesons. <i>Nuclear Physics A</i> , <b>2001</b> , 689, 481-484	1.3	7
2	Coulomb gauge hybrid meson calculation. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2000</b> , 90, 117-119		1
1	Meson structure in a relativistic many-body approach. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1102-5	7.4	70