

Vincent Mathieu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9553483/vincent-mathieu-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

76
papers

1,176
citations

20
h-index

31
g-index

86
ext. papers

1,449
ext. citations

4
avg, IF

4.51
L-index

#	Paper	IF	Citations
76	THE PHYSICS OF GLUEBALLS. <i>International Journal of Modern Physics E</i> , 2009 , 18, 1-49	0.7	186
75	Dispersive analysis of $\pi\pi\pi$. <i>Physical Review D</i> , 2015 , 91,	4.9	64
74	Amplitude analysis and the nature of the Z(3900). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 200-209	4.2	44
73	Interpretation of the LHCb $P_c(4312)^+$ Signal. <i>Physical Review Letters</i> , 2019 , 123, 092001	7.4	42
72	Three-body final state interaction in $\pi\pi\pi$ <i>Physical Review D</i> , 2015 , 92,	4.9	41
71	Studying the $P_c(4450)$ resonance in J/ψ photoproduction off protons. <i>Physical Review D</i> , 2016 , 94,	4.9	38
70	Massless bound-state excitations and the Schwinger mechanism in QCD. <i>Physical Review D</i> , 2012 , 85,	4.9	35
69	Measurement of the beam asymmetry Σ for π^0 and η photoproduction on the proton at $\sqrt{s} = 9$ GeV. <i>Physical Review C</i> , 2017 , 95,	2.7	34
68	Coupled-channel model for $K\pi\pi$ scattering in the resonant region. <i>Physical Review D</i> , 2016 , 93,	4.9	32
67	Three-body final state interaction in $\pi\pi\pi$ updated. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 497-502	4.2	31
66	Equivalence of three-particle scattering formalisms. <i>Physical Review D</i> , 2019 , 100,	4.9	26
65	Finite-energy sum rules in eta photoproduction off a nucleon. <i>Physical Review D</i> , 2017 , 95,	4.9	25
64	Pseudoscalar glueball and η mixing. <i>Physical Review D</i> , 2010 , 81,	4.9	25
63	Gluons in glueballs: Spin or helicity?. <i>Physical Review D</i> , 2008 , 77,	4.9	25
62	Casimir scaling, glueballs, and hybrid gluelumps. <i>European Physical Journal A</i> , 2006 , 27, 225-230	2.5	25
61	Analysis Tools for Next-Generation Hadron Spectroscopy Experiments. <i>Acta Physica Polonica B</i> , 2015 , 46, 257	1.9	24
60	Phenomenology of relativistic $\{3\} \rightarrow \{3\}$ reaction amplitudes within the isobar approximation. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	24

59	Determination of the Pole Position of the Lightest Hybrid Meson Candidate. <i>Physical Review Letters</i> , 2019 , 122, 042002	7.4	24
58	Neutral pion photoproduction in a Regge model. <i>Physical Review D</i> , 2015 , 92,	4.9	22
57	Hybrid mesons with auxiliary fields. <i>European Physical Journal A</i> , 2006 , 29, 343-351	2.5	22
56	Glueball phenomenology and the relativistic flux tube model. <i>Physical Review D</i> , 2009 , 80,	4.9	18
55	Toward complete pion nucleon amplitudes. <i>Physical Review D</i> , 2015 , 92,	4.9	17
54	Constituent gluon interpretation of glueballs and gluelumps. <i>European Physical Journal A</i> , 2008 , 38, 317-330	3.3	17
53	Semirelativistic potential model for low-lying three-gluon glueballs. <i>Physical Review D</i> , 2006 , 74,	4.9	17
52	Semirelativistic potential model for three-gluon glueballs. <i>Physical Review D</i> , 2008 , 77,	4.9	16
51	Pole position of the $a_1(1260)$ from B decay. <i>Physical Review D</i> , 2018 , 98,	4.9	16
50	Understanding the nature of $\chi(1405)$ through Regge physics. <i>Physical Review D</i> , 2016 , 93,	4.9	15
49	Modified Newton's law, braneworlds, and the gravitational quantum well. <i>Classical and Quantum Gravity</i> , 2007 , 24, 855-865	3.3	15
48	Double polarization observables in pentaquark photoproduction. <i>Physical Review D</i> , 2019 , 100,	4.9	15
47	Three-body scattering: ladders and resonances. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
46	Excited flux tube from $q\bar{q}g$ hybrid mesons. <i>European Physical Journal A</i> , 2007 , 32, 123-126	2.5	14
45	Heavy meson interquark potential. <i>Physical Review D</i> , 2011 , 84,	4.9	13
44	Few-body problem in terms of correlated Gaussians. <i>Physical Review E</i> , 2007 , 76, 046702	2.4	12
43	Nucleon resonance contributions to unpolarized inclusive electron scattering. <i>Physical Review C</i> , 2019 , 100,	2.7	11
42	The Boltzmann equation in classical Yang-Mills theory. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	11

41	The Joint Physics Analysis Center website 2016 ,		11
40	Dalitz-plot decomposition for three-body decays. <i>Physical Review D</i> , 2020 , 101,	4.9	9
39	Khuri-Treiman equations for $(\pi\pi)$ scattering. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	8
38	What is the right formalism to search for resonances?. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	7
37	Short-range potentials from QCD at order g^2 . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 025006	2.9	7
36	New analysis of ρ tensor resonances measured at the COMPASS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 464-472	4.2	7
35	XYZ spectroscopy at electron-hadron facilities: Exclusive processes. <i>Physical Review D</i> , 2020 , 102,	4.9	6
34	Structure of pion photoproduction amplitudes. <i>Physical Review D</i> , 2018 , 98,	4.9	6
33	Double-Regge exchange limit for the $\bar{p}K+K\bar{p}$ reaction. <i>Physical Review D</i> , 2015 , 91,	4.9	5
32	Features of ρ photoproduction at high energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 77-81	4.2	5
31	On the ρ and ω photoproduction beam asymmetry at high energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 362-367	4.2	5
30	Hybrid meson masses and the correlated Gaussian basis. <i>Physical Review D</i> , 2009 , 80,	4.9	5
29	Moments of angular distribution and beam asymmetries in ρ photoproduction at GlueX. <i>Physical Review D</i> , 2019 , 100,	4.9	5
28	Vector meson photoproduction with a linearly polarized beam. <i>Physical Review D</i> , 2018 , 97,	4.9	5
27	Global analysis of charge exchange meson production at high energies. <i>Physical Review D</i> , 2018 , 98,	4.9	5
26	(2+1)-d glueball spectrum within a constituent picture. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	4
25	Spin-dependent operators in correlated Gaussian bases. <i>Physical Review E</i> , 2008 , 77, 036706	2.4	4
24	$(\omega \rightarrow 3\pi)$ and $(\omega \pi^0)$ transition form factor revisited. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4

23	Khuri-Treiman equations for $3\bar{1}$ decays of particles with spin. <i>Physical Review D</i> , 2020 , 101,	4.9	4
22	What is the right formalism to search for resonances? II. The pentaquark chain. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
21	Photoproduction of $K+K^*$ meson pairs on the proton. <i>Physical Review D</i> , 2018 , 98,	4.9	4
20	Collimation of energy in medium-modified QCD jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1421-1424	4.2	3
19	String deformations induced by retardation effects in mesons. <i>European Physical Journal A</i> , 2007 , 31, 213-220	2.5	3
18	Exclusive tensor meson photoproduction. <i>Physical Review D</i> , 2020 , 102,	4.9	3
17	First measurement of direct photoproduction of the $a_2(1320)_0$ meson on the proton. <i>Physical Review C</i> , 2020 , 102,	2.7	2
16	Three-particle correlations in QCD parton showers. <i>Physical Review D</i> , 2011 , 84,	4.9	2
15	Heavy quark flavour dependence of multiparticle production in QCD jets. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	2
14	Regge phenomenology of the N^* and π poles. <i>Physical Review D</i> , 2019 , 99,	4.9	2
13	Analyticity constraints for hadron amplitudes: Going high to heal low-energy issues. <i>Europhysics Letters</i> , 2018 , 122, 41001	1.6	2
12	Studying the $(P_c(4450))$ Resonance in (J/ψ) Photoproduction Off Protons. <i>Few-Body Systems</i> , 2018 , 59, 1	1.6	2
11	Progress and opportunities in backward angle (u-channel) physics. <i>European Physical Journal A</i> , 2021 , 57, 1	2.5	2
10	HASPECT: HAdron SPEctroscopy CenTer. <i>Journal of Physics: Conference Series</i> , 2014 , 527, 012028	0.3	1
9	IS THE MESON SPECTRUM LIMITED?. <i>International Journal of Modern Physics A</i> , 2011 , 26, 760-762	1.2	1
8	Retardation effects in the rotating string model. <i>European Physical Journal A</i> , 2007 , 31, 616-619	2.5	1
7	Excited string and constituent gluon descriptions of hybrid mesons. <i>Few-Body Systems</i> , 2008 , 44, 87-89	1.6	1
6	Scalar and tensor resonances in J/ψ radiative decays. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1

- 5 $(\pi^- \rightarrow \eta', \pi^- p)$ in the double-Regge region. *European Physical Journal C*, **2021**, 81, 1 4.2 1
- 4 Photoproduction of the $f_2(1270)$ Meson Using the CLAS Detector. *Physical Review Letters*, **2021**, 126, 082002 7.4 0
- 3 Three-particle correlations in QCD jets and beyond. *Journal of Physics G: Nuclear and Particle Physics*, **2011**, 38, 115007 2.9
- 2 Retardation effects in the rotating string model **2007**, 273-276
- 1 Casimir scaling, glueballs, and hybrid gluelumps **2007**, 366-370