

# Alan S Cornell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8089129/publications.pdf>

Version: 2024-02-01

44  
papers

677  
citations

623734

14  
h-index

580821

25  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Black hole quasinormal modes using the asymptotic iteration method. <i>Classical and Quantum Gravity</i> , 2010, 27, 155004.	4.0	81
2	Phenomenological signatures of additional scalar bosons at the LHC. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	70
3	Graviton emission from a higher-dimensional black hole. <i>Journal of High Energy Physics</i> , 2006, 2006, 012-012.	4.7	69
4	$B \rightarrow K(K^*) + \text{missing energy}$ in unparticle physics. <i>Journal of High Energy Physics</i> , 2007, 2007, 072-072.	4.7	64
5	Towards nonsingular rotating compact object in ghost-free infinite derivative gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	43
6	Connecting muon anomalous magnetic moment and multi-lepton anomalies at LHC. <i>Chinese Physics C</i> , 2020, 44, 063103.	3.7	39
7	The emergence of multi-lepton anomalies at the LHC and their compatibility with new physics at the EW scale. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	34
8	Multi-lepton signatures of additional scalar bosons beyond the Standard Model at the LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 115003.	3.6	27
9	Probing anomalous couplings using di-Higgs production in electron-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 764, 247-253.	4.1	26
10	Exploration of the tensor structure of the Higgs boson coupling to weak bosons in $e^+e^-$ collisions. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	25
11	Rotating metric in nonsingular infinite derivative theories of gravity. <i>Physical Review D</i> , 2018, 97, .	4.7	25
12	SIGNATURES OF NEW PHYSICS IN DILEPTONIC B-DECAYS. <i>International Journal of Modern Physics A</i> , 2006, 21, 2617-2634.	1.5	15
13	Constraints on a 2HDM with a singlet scalar and implications in the search for heavy bosons at the LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 115001.	3.6	15
14	The anomalous production of multi-leptons and its impact on the measurement of $Wh$ production at the LHC. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	15
15	RENORMALIZATION RUNNING OF MASSES AND MIXINGS IN UED MODELS. <i>Modern Physics Letters A</i> , 2013, 28, 1330007.	1.2	14
16	Boosted decision trees in the era of new physics: a muon analysis case study. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	11
17	The forward backward asymmetries of $B \rightarrow X s l \tau$ in the MSSM. <i>Journal of High Energy Physics</i> , 2003, 2003, 030-030.	4.7	10
18	Minimal spin-3/2 dark matter in a simple s-channel model. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	9

#	ARTICLE	IF	CITATIONS
19	Large A t without the desert. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
20	Unification of gauge and Yukawa couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 231-235.	4.1	6
21	Spin-3/2 dark matter in a simple t-channel model. European Physical Journal C, 2018, 78, 1.	3.9	6
22	Master equations and quasinormal modes of spin- 3/2 fields in Schwarzschild (A)dS black hole spacetimes. Physical Review D, 2019, 100, .	4.7	6
23	Future lepton collider prospects for a ubiquitous composite pseudoscalar. Physical Review D, 2020, 102, .	4.7	6
24	CP violation in the $B \rightarrow K^* \ell^+ \ell^-$ decay. European Physical Journal C, 2007, 49, 657-664.	3.9	5
25	Double Higgs production at FCC-he and prospects for measurements of self-coupling. Journal of Physics: Conference Series, 2015, 623, 012017.	0.4	5
26	Probing the Higgs boson via vector boson fusion with single jet tagging at the LHC. Physical Review D, 2015, 91, .	4.7	5
27	SIGNATURES OF QUANTIZED TeV SCALE BLACK HOLES IN SCATTERING PROCESSES. Modern Physics Letters A, 2004, 19, 2331-2337.	1.2	4
28	Exploring CP-even scalars of a Two Higgs-doublet model in future $e^+e^-$ colliders. Journal of Physics: Conference Series, 2017, 889, 012004.	0.4	4
29	A new (original) set of Quasi-normal modes in spherically symmetric AdS black hole spacetimes. Chinese Journal of Physics, 2020, 67, 646-656.	3.9	4
30	A new mechanism for symmetry breaking from nilmanifolds. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
31	Contact interactions and top-philic scalar dark matter. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
32	$B \rightarrow K^* \ell^+ \ell^-$ (1270) ( $\hat{a}^* \ell^+ \ell^-$ ) $\hat{a}^* \ell^+ \ell^-$ in LEET. European Physical Journal C, 2008, 58, 251-259.	3.9	3
33	The impact of additional scalar bosons at the LHC. Journal of Physics: Conference Series, 2017, 802, 012007.	0.4	3
34	Minimal SU(5) asymptotic grand unification. Physical Review D, 2021, 104, .	4.7	3
35	Universality test of the charged Higgs boson couplings at the LHC and at Bfactories. Physical Review D, 2010, 81, .	4.7	2
36	The Madala hypothesis with Run 1 and 2 data at the LHC. Journal of Physics: Conference Series, 2017, 889, 012020.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Quasinormal modes for integer and half-integer spins within the large angular momentum limit. Physical Review D, 2021, 104, .	4.7	2
38	Probing the effect on student conceptual understanding due to a forced mid-semester transition to online teaching. European Journal of Physics, 2022, 43, 035702.	0.6	2
39	A heavy scalar of mass 270 GeV and its possible connection to the 750 GeV excess. Journal of Physics: Conference Series, 2017, 802, 012001.	0.4	1
40	Asymptotic quasinormal frequencies of different spin fields in d-dimensional spherically-symmetric black holes. Classical and Quantum Gravity, 2022, 39, 055001.	4.0	1
41	Radion signature in $\hat{1}^3\hat{1}^3$ scattering. Chaos, Solitons and Fractals, 2008, 35, 680-683.	5.1	0
42	Some theories beyond the Standard Model. Journal of Physics: Conference Series, 2015, 645, 012002.	0.4	0
43	Natural supersymmetry and unification in five dimensions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	0
44	Revealing shifts from mastery of knowledge to problem solving in assessments of a tertiary physics programme. Journal of Education, 2021, , 1-16.	0.4	0