Alan S Cornell

List of Publications by Year
in descending order

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44	677	623734	580821
papers	citations	14 h-index	25 g-index

44	44	44	2485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymptotic quasinormal frequencies of different spin fields in d-dimensional spherically-symmetric black holes. Classical and Quantum Gravity, 2022, 39, 055001.	4.0	1
2	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
3	Boosted decision trees in the era of new physics: a smuon analysis case study. Journal of High Energy Physics, 2022, 2022, 1.	4.7	11
4	The anomalous production of multi-leptons and its impact on the measurement of Wh production at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	15
5	Quasinormal modes for integer and half-integer spins within the large angular momentum limit. Physical Review D, 2021, 104, .	4.7	2
6	Contact interactions and top-philic scalar dark matter. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
7	Minimal SU(5) asymptotic grand unification. Physical Review D, 2021, 104, .	4.7	3
8	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
9	Future lepton collider prospects for a ubiquitous composite pseudoscalar. Physical Review D, 2020, 102, .	4.7	6
10	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
11	Connecting muon anomalous magnetic moment and multi-lepton anomalies at LHC. Chinese Physics C, 2020, 44, 063103.	3.7	39
12	A new mechanism for symmetry breaking from nilmanifolds. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
13	Constraints on a 2HDM with a singlet scalar and implications in the search for heavy bosons at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 115001.	3.6	15
14	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
15	The emergence of multi-lepton anomalies at the LHC and their compatibility with new physics at the EW scale. Journal of High Energy Physics, 2019, 2019, 1.	4.7	34
16	Unification of gauge and Yukawa couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 231-235.	4.1	6
17	Spin-3/2 dark matter in a simple t-channel model. European Physical Journal C, 2018, 78, 1.	3.9	6
18	Multi-lepton signatures of additional scalar bosons beyond the Standard Model at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 115003.	3.6	27

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19	Towards nonsingular rotating compact object in ghost-free infinite derivative gravity. Physical Review D, 2018, 98, .	4.7	43
20	Rotating metric in nonsingular infinite derivative theories of gravity. Physical Review D, 2018, 97, .	4.7	25
21	Probing anomalous couplings using di-Higgs production in electronâ€“proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 247-253.	4.1	26
22	Exploring CP-even scalars of a Two Higgs-doublet model in future e ^{â^’} p colliders. Journal of Physics: Conference Series, 2017, 889, 012004.	0.4	4
23	Minimal spin-3/2 dark matter in a simple s-channel model. European Physical Journal C, 2017, 77, 1.	3.9	9
24	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
25	The impact of additional scalar bosons at the LHC. Journal of Physics: Conference Series, 2017, 802, 012007.	0.4	3
26	The Madala hypothesis with Run 1 and 2 data at the LHC. Journal of Physics: Conference Series, 2017, 889, 012020.	0.4	2
27	Phenomenological signatures of additional scalar bosons at the LHC. European Physical Journal C, 2016, 76, 1.	3.9	70
28	Natural supersymmetry and unification in five dimensions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	0
29	Some theories beyond the Standard Model. Journal of Physics: Conference Series, 2015, 645, 012002.	0.4	0
30	Double Higgs production at FCC-he and prospects for measurements of self-coupling. Journal of Physics: Conference Series, 2015, 623, 012017.	0.4	5
31	Probing the Higgs boson via vector boson fusion with single jet tagging at the LHC. Physical Review D, 2015, 91, .	4.7	5
32	Exploration of the tensor structure of the Higgs boson coupling to weak bosons in e + e â^’ collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
33	Large A t without the desert. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
34	RENORMALIZATION RUNNING OF MASSES AND MIXINGS IN UED MODELS. Modern Physics Letters A, 2013, 28, 1330007.	1.2	14
35	Black hole quasinormal modes using the asymptotic iteration method. Classical and Quantum Gravity, 2010, 27, 155004.	4.0	81
36	Universality test of the charged Higgs boson couplings at the LHC and atBfactories. Physical Review D, 2010, 81, .	4.7	2

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37	Radion signature in Î³Î³ scattering. Chaos, Solitons and Fractals, 2008, 35, 680-683.	5.1	0
38	B â˜’â†’K 1 *â˜’ (1270)(â†’Ï•0 K â˜’)â„“+ â„“â˜’ in LEET. European Physical Journal C, 2008, 58, 251-259.	3.9	3
39	Bâ†’K(K*) + missing energy in unparticle physics. Journal of High Energy Physics, 2007, 2007, 072-072.	4.7	64
40	CP violation in the Bâ†’Kâ„“+â„“- decay. European Physical Journal C, 2007, 49, 657-664.	3.9	5
41	Graviton emission from a higher-dimensional black hole. Journal of High Energy Physics, 2006, 2006, 012-012.	4.7	69
42	SIGNATURES OF NEW PHYSICS IN DILEPTONIC B-DECAYS. International Journal of Modern Physics A, 2006, 21, 2617-2634.	1.5	15
43	SIGNATURES OF QUANTIZED TeV SCALE BLACK HOLES IN SCATTERING PROCESSES. Modern Physics Letters A, 2004, 19, 2331-2337.	1.2	4
44	The forward backward asymmetries ofBâ†’XsÏ„+Ï„â˜’in the MSSM. Journal of High Energy Physics, 2003, 2003, 030-030.	4.7	10