

R Sekhar Chivukula

List of Publications by Citations

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127
papers

33,359
citations

36
h-index

150
g-index

150
ext. papers

36,034
ext. citations

4.7
avg, IF

8.06
L-index

#	Paper	IF	Citations
127	Review of Particle Physics. <i>Chinese Physics C</i> , 2014 , 38, 090001	2.2	5549
126	Review of Particle Physics*. <i>Physical Review D</i> , 2012 , 86,	4.9	4786
125	Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010 , 37, 075021	2.9	4379
124	Review of Particle Physics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 592, 1-5	4.2	3560
123	Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 33, 1-1232	2.9	3486
122	Review of Particle Properties. <i>Physical Review D</i> , 2002 , 66,	4.9	2767
121	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	1112
120	Electroweak fermion number violation and the production of stable particles in the early universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 387-391	4.2	255
119	Simplified models for LHC new physics searches. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012 , 39, 105005	2.9	242
118	Top quark seesaw theory of electroweak symmetry breaking. <i>Physical Review D</i> , 1999 , 59,	4.9	193
117	Unitarity of compactified five-dimensional Yang-Mills theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 525, 175-182	4.2	148
116	Polychromatic penguins don't fly. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 171, 453-458	4.2	112
115	A heavy top quark and the vertex in non-commuting extended technicolor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 331, 383-389	4.2	111
114	Technicolor cosmology. <i>Nuclear Physics B</i> , 1990 , 329, 445-463	2.8	106
113	Unitarity of the higher-dimensional standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 562, 109-117	4.2	101
112	New strong interactions at the Tevatron?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 92-98	4.2	98
111	Nonoblique effects in the $Zbb\text{-bar}$ vertex from extended technicolor dynamics. <i>Physical Review Letters</i> , 1992 , 69, 575-577	7.4	94

110	A Three site Higgsless model. <i>Physical Review D</i> , 2006 , 74,	4.9	86
109	Unitarity of deconstructed five-dimensional Yang-Mills theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 532, 121-128	4.2	79
108	Aspects of dynamical electroweak symmetry breaking. <i>Nuclear Physics B</i> , 1990 , 343, 554-570	2.8	74
107	Structure of corrections to electroweak interactions in Higgsless models. <i>Physical Review D</i> , 2004 , 70,	4.9	69
106	Limits on a light Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 207, 86-90	4.2	63
105	CERN LHC signatures of new gauge bosons in the minimal Higgsless model. <i>Physical Review D</i> , 2008 , 78,	4.9	62
104	Axiguons cannot explain the observed top quark forward-backward asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	60
103	Electroweak limits on nonuniversal Z' bosons. <i>Physical Review D</i> , 2002 , 66,	4.9	58
102	Limits on noncommuting extended technicolor. <i>Physical Review D</i> , 1996 , 53, 5258-5267	4.9	57
101	Ideal fermion delocalization in Higgsless models. <i>Physical Review D</i> , 2005 , 72,	4.9	55
100	Isospin breaking and fine-tuning in top-color assisted technicolor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 353, 289-294	4.2	54
99	Universal non-oblique corrections in Higgsless models and beyond. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 603, 210-218	4.2	46
98	Multi-jet physics at hadron colliders. <i>Nuclear Physics B</i> , 1991 , 363, 83-96	2.8	46
97	Deconstructed Higgsless models with one-site delocalization. <i>Physical Review D</i> , 2005 , 71,	4.9	43
96	Electroweak corrections and unitarity in linear moose models. <i>Physical Review D</i> , 2005 , 71,	4.9	39
95	Bounds on halo-particle interactions from interstellar calorimetry. <i>Physical Review Letters</i> , 1990 , 65, 957-959	4.9	38
94	A composite technicolor standard model of quarks. <i>Nuclear Physics B</i> , 1987 , 292, 93-108	2.8	38
93	Doubly charged pseudo-goldstone bosons and dynamical SU(2) \times U(1) breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 182, 181-186	4.2	37

92	Walking technicolor and the vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 311, 157-162	4.2	36
91	Weak-isospin violation in "walking" technicolor. <i>Physical Review Letters</i> , 1988 , 61, 2657-2660	7.4	30
90	Precision electroweak constraints on top-color assisted technicolor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 385, 209-217	4.2	28
89	Analyticity, crossing symmetry, and the limits of chiral perturbation theory. <i>Physical Review D</i> , 1993 , 47, 2930-2939	4.9	28
88	Phenomenology of a nonstandard Higgs boson in WLWL scattering. <i>Physical Review D</i> , 1994 , 50, 3218-3224	4.9	28
87	Hadron collider production of massive color-octet vector bosons at next-to-leading order. <i>Physical Review D</i> , 2013 , 87,	4.9	27
86	Zero temperature chiral phase transition in SU(N) gauge theories. <i>Physical Review D</i> , 1997 , 55, 5238-5240	4.9	27
85	Structure of electroweak corrections due to extended gauge symmetries. <i>Physical Review D</i> , 2004 , 69,	4.9	26
84	Critical constraints on chiral hierarchies. <i>Physical Review Letters</i> , 1993 , 70, 1587-1590	7.4	26
83	Six-jet signals of highly colored fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 257, 403-408	4.2	26
82	Flavor physics and fine-tuning in theory space. <i>Physical Review D</i> , 2002 , 66,	4.9	25
81	Hiding the electroweak symmetry breaking sector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 267, 233-239	4.2	25
80	Higgs decay into goldstone bosons. <i>Annals of Physics</i> , 1989 , 192, 93-103	2.5	25
79	Production of massive color-octet vector bosons at next-to-leading order. <i>Physical Review D</i> , 2012 , 85,	4.9	24
78	Limits on a composite Higgs boson. <i>Physical Review Letters</i> , 2000 , 85, 511-4	7.4	24
77	One-loop corrections to the S and T parameters in a three site Higgsless model. <i>Physical Review D</i> , 2007 , 75,	4.9	23
76	Limits on the ununified standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 284-290	4.2	23
75	Electroweak corrections in technicolor reconsidered. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 435-441	4.2	23

74	Global symmetries and renormalizability of Lee-Wick theories. <i>Physical Review D</i> , 2010 , 82,	4.9	21
73	Multigauge-boson vertices and chiral Lagrangian parameters in Higgsless models with ideal fermion delocalization. <i>Physical Review D</i> , 2005 , 72,	4.9	21
72	Couplings of a light Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 222, 258-262	4.2	21
71	Three site Higgsless model at one loop. <i>Physical Review D</i> , 2007 , 75,	4.9	20
70	Distinguishing dijet resonances at the LHC. <i>Physical Review D</i> , 2015 , 91,	4.9	19
69	Top triangle moose: Combining Higgsless and topcolor mechanisms for mass generation. <i>Physical Review D</i> , 2009 , 80,	4.9	19
68	Triviality and the precision bound on the Higgs mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 464, 244-248	4.2	19
67	Constraints on the scalar sector of the renormalizable coloron model. <i>Physical Review D</i> , 2013 , 88,	4.9	17
66	Ideal fermion delocalization in five dimensional gauge theories. <i>Physical Review D</i> , 2005 , 72,	4.9	17
65	Hypercharge-universal topcolor. <i>Physical Review D</i> , 2008 , 77,	4.9	16
64	Triviality bounds in two-doublet models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 304, 152-158	4.2	16
63	General sum rules for WW scattering in Higgsless models: Equivalence theorem and deconstruction identities. <i>Physical Review D</i> , 2008 , 78,	4.9	15
62	Low-energy effective theory, unitarity, and nondecoupling behavior in a model with heavy Higgs-triplet fields. <i>Physical Review D</i> , 2008 , 77,	4.9	15
61	Two-gluon coupling and collider phenomenology of color-octet technirho mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 521, 239-242	4.2	15
60	Phenomenology of a non-standard Higgs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 309, 371-377	4.2	15
59	RK anomalies and simplified limits on Z' models at the LHC. <i>Physical Review D</i> , 2017 , 96,	4.9	14
58	Top-Higgs and top-pion phenomenology in the top triangle moose model. <i>Physical Review D</i> , 2011 , 83,	4.9	14
57	A comment on the strong interactions of color-neutral technibaryons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 298, 380-382	4.2	14

56	Fourth generation quark masses and KM phenomenology from a fritzsch mass matrix. <i>Nuclear Physics B</i> , 1986 , 271, 509-530	2.8	14
55	Massive spin-2 scattering amplitudes in extra-dimensional theories. <i>Physical Review D</i> , 2020 , 101,	4.9	13
54	A flavorful top-coloron model. <i>Physical Review D</i> , 2013 , 87,	4.9	13
53	Same-sign dileptons from colored scalars in the flavorful top-coloron model. <i>Physical Review D</i> , 2013 , 88,	4.9	12
52	Technipion limits from LHC Higgs searches. <i>Physical Review D</i> , 2011 , 84,	4.9	12
51	Observing the techniomega at the Superconducting Super Collider. <i>Physical Review D</i> , 1990 , 41, 2795-2799,	4.9	12
50	Distinguishing color-octet and color-singlet resonances at the Large Hadron Collider. <i>Physical Review D</i> , 2013 , 88,	4.9	11
49	Custodial isospin violation in the Lee-Wick standard model. <i>Physical Review D</i> , 2010 , 81,	4.9	11
48	Condensate enhancement and D-meson mixing in technicolor theories. <i>Physical Review D</i> , 2010 , 82,	4.9	11
47	Z-bb and chiral currents in Higgsless models. <i>Physical Review D</i> , 2009 , 79,	4.9	11
46	Radiative decays of vector mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 168, 127-130	4.2	11
45	Phenomenology of composite technicolor standard models. <i>Physical Review D</i> , 1987 , 36, 2102-2108	4.9	11
44	Discovering new gauge bosons of electroweak symmetry breaking at LHC-8. <i>Physical Review D</i> , 2012 , 86,	4.9	10
43	Generalized Weinberg Sum Rules in Deconstructed QCD. <i>Journal of High Energy Physics</i> , 2004 , 2004, 004-004	4.9	10
42	The meaning of Higgs and Λ at the Fermilab Tevatron and the CERN LHC. <i>Physical Review D</i> , 2005 , 72,	4.9	10
41	Large-N and vacuum alignment in top-color models. <i>Physical Review D</i> , 1998 , 58,	4.9	10
40	LHC limits on the top-Higgs in models with strong top-quark dynamics. <i>Physical Review D</i> , 2011 , 84,	4.9	9
39	Discovering strong top dynamics at the LHC. <i>Physical Review D</i> , 2012 , 86,	4.9	9

38	Deconstruction and elastic scattering in Higgsless models. <i>Physical Review D</i> , 2007 , 75,	4.9	9
37	Effective field theory of vacuum tilting. <i>Physical Review D</i> , 1998 , 58,	4.9	9
36	Scattering amplitudes of massive spin-2 Kaluza-Klein states grow only as $O(s)$. <i>Physical Review D</i> , 2020 , 101,	4.9	8
35	Flavor physics and the triviality bound on the Higgs mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 74-80	4.2	8
34	Unitarity and bounds on the scale of fermion mass generation. <i>Physical Review D</i> , 2007 , 75,	4.9	8
33	Custodial symmetry and the triviality bound on the Higgs mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 788-792	4.2	8
32	Colored pseudo Goldstone bosons and gauge boson pairs. <i>Physical Review Letters</i> , 1992 , 68, 2883-2886	7.4	8
31	Distinguishing flavor nonuniversal colorons from Z' bosons at the LHC. <i>Physical Review D</i> , 2015 , 91,	4.9	7
30	Vacuum stability and triviality analyses of the renormalizable coloron model. <i>Physical Review D</i> , 2015 , 92,	4.9	7
29	Color discriminant variable and scalar diquarks at the LHC. <i>Physical Review D</i> , 2015 , 92,	4.9	7
28	LHC constraints on a Higgs boson partner from an extended color sector. <i>Physical Review D</i> , 2014 , 90,	4.9	7
27	Scalar resonances in Goldstone boson scattering. <i>Nuclear Physics B</i> , 1992 , 372, 44-60	2.8	7
26	The phenomenology of a hidden symmetry breaking sector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 293, 400-404	4.2	7
25	Limits of custodial symmetry. <i>Physical Review D</i> , 2009 , 80,	4.9	6
24	Saturating the bound on the scale of fermion mass generation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 439, 389-392	4.2	6
23	Bounds on flavor gauge bosons from precision electroweak data. <i>Physical Review D</i> , 2000 , 61,	4.9	6
22	The Higgs boson width is adjustable. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 336, 62-69	4.2	6
21	Sum rules for massive spin-2 Kaluza-Klein elastic scattering amplitudes. <i>Physical Review D</i> , 2019 , 100,	4.9	6

20	WLWL scattering in Higgsless models: Identifying better effective theories. <i>Physical Review D</i> , 2009 , 80,	4.9	5
19	Probing color octet couplings at the Large Hadron Collider. <i>Physical Review D</i> , 2012 , 86,	4.9	5
18	General constraints on light resonances in a strongly coupled symmetry-breaking sector. <i>Physical Review D</i> , 1998 , 57, 2760-2770	4.9	5
17	Could composite interactions be detected at $\sqrt{s} = MZ$?. <i>Nuclear Physics B</i> , 1989 , 326, 1-14	2.8	5
16	Flavor structure of the three-site Higgsless model. <i>Physical Review D</i> , 2012 , 85,	4.9	4
15	Four-site Higgsless model with wave function mixing. <i>Physical Review D</i> , 2008 , 78,	4.9	4
14	Flavor gauge bosons at the Fermilab Tevatron. <i>Physical Review D</i> , 2000 , 62,	4.9	4
13	Probing lepton structure at the SSC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 202, 429-435	4.2	4
12	Colorphilic spin-2 resonances in the LHC dijet channel. <i>Physica Scripta</i> , 2018 , 93, 115301	2.6	4
11	Broadening the reach of simplified limits on resonances at the LHC. <i>Physical Review D</i> , 2017 , 96,	4.9	3
10	Patterns of custodial isospin violation from a composite top. <i>Physical Review D</i> , 2011 , 84,	4.9	3
9	Probing neutrino structure at the SSC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 202, 436-440	4.2	3
8	Ultraheavy quarks and mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 159, 76-80	4.2	3
7	Simplified limits on resonances at the LHC. <i>Physical Review D</i> , 2016 , 94,	4.9	3
6	Diphoton resonances in the renormalizable coloron model. <i>Physical Review D</i> , 2016 , 94,	4.9	3
5	Characterizing boosted dijet resonances with energy correlation functions. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
4	THE LIMITS OF CUSTODIAL SYMMETRY. <i>International Journal of Modern Physics A</i> , 2010 , 25, 5082-5096	1.2	1
3	Spin-2 Kaluza-Klein mode scattering in models with a massive radion. <i>Physical Review D</i> , 2021 , 103,	4.9	1

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Advanced Series on Directions in High Energy Physics, **1997**, 352-382 0