

R Sekhar Chivukula

List of Publications by Year in descending order

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times ranked

16627
citing authors

#	ARTICLE	IF	CITATIONS
1	How high-energy physics plans its future. Nature Reviews Physics, 2022, 4, 565-567.	11.9	3
2	Narrow resonances revisited: Simplifying multidimensional constraints. Physical Review D, 2021, 103, .	1.6	1
3	Spin-2 Kaluza-Klein mode scattering in models with a massive radion. Physical Review D, 2021, 103, .	1.6	6
4	Vectorlike top quark production via a chromomagnetic moment at the LHC. Physical Review D, 2021, 104, .	1.6	9
5	Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	3,177
6	Massive spin-2 scattering amplitudes in extra-dimensional theories. Physical Review D, 2020, 101, .	1.6	21
7	Scattering amplitudes of massive spin-2 Kaluza-Klein states grow only as $\mathcal{O}(s^2)$. Physical Review D, 2020, 101, .	1.6	14
8	The Top Quark: Past, Present, and Future. , 2020, , .		0
9	Sum rules for massive spin-2 Kaluza-Klein elastic scattering amplitudes. Physical Review D, 2019, 100, .	1.6	11
10	Characterizing boosted dijet resonances with energy correlation functions. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
11	Colorphilic spin-2 resonances in the LHC dijet channel. Physica Scripta, 2018, 93, 115301.	1.2	4
12	Broadening the reach of simplified limits on resonances at the LHC. Physical Review D, 2017, 96, .	1.6	5
13	Resonance production of massive spin-2 Kaluza-Klein states and simplified limits on $\mathcal{O}(s^2)$ models at the LHC. Physical Review D, 2017, 96, .	1.6	15
14	Simplified Limits on New LHC Resonances. EPJ Web of Conferences, 2017, 137, 01019.	0.1	0
15	Simplified limits on resonances at the LHC. Physical Review D, 2016, 94, .	1.6	4
16	Diphoton resonances in the renormalizable coloron model. Physical Review D, 2016, 94, .	1.6	3
17	Direct search implications for a custodially-embedded composite top. Physical Review D, 2016, 94, .	1.6	0
18	Vacuum stability and triviality analyses of the renormalizable coloron model. Physical Review D, 2015, 92, .	1.6	9

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19	Color discriminant variable and scalar diquarks at the LHC. Physical Review D, 2015, 92, .	1.6	10
20	Distinguishing dijet resonances at the LHC. Physical Review D, 2015, 91, .	1.6	23
21	Distinguishing flavor nonuniversal colorons from α_s^2 at the LHC. Physical Review D, 2015, 91, .	1.6	9
22	Vector Bosons Signals of Electroweak Symmetry Breaking. , 2014, , .		0
23	Coloron Models and LHC Phenomenology. , 2014, , .		1
24	Review of Particle Physics. Chinese Physics C, 2014, 38, 090001.	1.5	5,997
25	LHC constraints on a Higgs boson partner from an extended color sector. Physical Review D, 2014, 90, .	1.6	9
26	Hadron collider production of massive color-octet vector bosons at next-to-leading order. Physical Review D, 2013, 87, .	1.6	29
27	A flavorful top-coloron model. Physical Review D, 2013, 87, .	1.6	16
28	Same-sign dileptons from colored scalars in the flavorful top-coloron model. Physical Review D, 2013, 88, .	1.6	12
29	Distinguishing color-octet and color-singlet resonances at the Large Hadron Collider. Physical Review D, 2013, 88, .	1.6	12
30	Constraints on the scalar sector of the renormalizable coloron model. Physical Review D, 2013, 88, .	1.6	21
31	Technicolor in the LHC Era. , 2013, , .		0
32	Probing color octet couplings at the Large Hadron Collider. Physical Review D, 2012, 86, .	1.6	6
33	Flavor structure of the three-site Higgsless model. Physical Review D, 2012, 85, .	1.6	5
34	Production of massive color-octet vector bosons at next-to-leading order. Physical Review D, 2012, 85, .	1.6	26
35	Discovering strong top dynamics at the LHC. Physical Review D, 2012, 86, .	1.6	9
36	Discovering new gauge bosons of electroweak symmetry breaking at LHC-8. Physical Review D, 2012, 86, .	1.6	12

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37	Review of Particle Physics. Physical Review D, 2012, 86, .	1.6	5,054
38	Simplified models for LHC new physics searches. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 105005.	1.4	273
39	Technipion limits from LHC Higgs searches. Physical Review D, 2011, 84, .	1.6	15
40	Top-Higgs and top-pion phenomenology in the top triangle moose model. Physical Review D, 2011, 83, .	1.6	17
41	Patterns of custodial isospin violation from a composite top. Physical Review D, 2011, 84, .	1.6	5
42	LHC limits on the top-Higgs in models with strong top-quark dynamics. Physical Review D, 2011, 84, .	1.6	10
43	WLWL Scattering in Higgsless Models: Identifying Better Effective Theories. , 2011, , .		0
44	The Limits of Custodial Symmetry. , 2011, , .		0
45	Review of Particle Physics. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 075021.	1.4	4,745
46	Custodial isospin violation in the Lee-Wick standard model. Physical Review D, 2010, 81, .	1.6	12
47	THE LIMITS OF CUSTODIAL SYMMETRY. International Journal of Modern Physics A, 2010, 25, 5082-5096.	0.5	1
48	Condensate enhancement and D-meson mixing in technicolor theories. Physical Review D, 2010, 82, .	1.6	12
49	Global symmetries and renormalizability of Lee-Wick theories. Physical Review D, 2010, 82, .	1.6	26
50	Axigluons cannot explain the observed top quark forward-backward asymmetry. Physical Review D, 2010, 82, .	1.6	62
51	$Z\bar{t}^*bb^{\hat{A}}$ and chiral currents in Higgsless models. Physical Review D, 2009, 79, .	1.6	12
52	Limits of custodial symmetry. Physical Review D, 2009, 80, .	1.6	9
53	WLWL scattering in Higgsless models: Identifying better effective theories. Physical Review D, 2009, 80, .	1.6	6
54	Top triangle moose: Combining Higgsless and topcolor mechanisms for mass generation. Physical Review D, 2009, 80, .	1.6	20

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55	General sum rules for WW scattering in Higgsless models: Equivalence theorem and deconstruction identities. Physical Review D, 2008, 78, .	1.6	18
56	Low-energy effective theory, unitarity, and nondecoupling behavior in a model with heavy Higgs-triplet fields. Physical Review D, 2008, 77, .	1.6	22
57	Four-site Higgsless model with wave function mixing. Physical Review D, 2008, 78, .	1.6	5
58	Hypercharge-universal topcolor. Physical Review D, 2008, 77, .	1.6	17
59	CERN LHC signatures of new gauge bosons in the minimal Higgsless model. Physical Review D, 2008, 78, .	1.6	65
60	One-Loop Corrections to the S and T Parameters in a Three Site Higgsless Model. , 2008, , .		0
61	One-loop corrections to the S and T parameters in a three site Higgsless model. Physical Review D, 2007, 75, .	1.6	26
62	Three site Higgsless model at one loop. Physical Review D, 2007, 75, .	1.6	21
63	Deconstruction and elastic $\pi\pi$ scattering in Higgsless models. Physical Review D, 2007, 75, .	1.6	10
64	Unitarity and bounds on the scale of fermion mass generation. Physical Review D, 2007, 75, .	1.6	9
65	Review of Particle Physics. Journal of Physics G: Nuclear and Particle Physics, 2006, 33, 1-1232.	1.4	3,613
66	A Three site Higgsless model. Physical Review D, 2006, 74, .	1.6	93
67	DYNAMICAL ELECTROWEAK SYMMETRY BREAKING. , 2006, , .		0
68	Electroweak Symmetry Breaking: With Dynamics. AIP Conference Proceedings, 2005, , .	0.3	0
69	Electroweak corrections and unitarity in linear moose models. Physical Review D, 2005, 71, .	1.6	44
70	The meaning of \hat{c}_H , \hat{c}_T and \hat{c}_3 at the Fermilab Tevatron and the CERN LHC. Physical Review D, 2005, 72, 6		11
71	Ideal fermion delocalization in five dimensional gauge theories. Physical Review D, 2005, 72, .	1.6	20
72	Multigauge-boson vertices and chiral Lagrangian parameters in Higgsless models with ideal fermion delocalization. Physical Review D, 2005, 72, .	1.6	24

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73	Ideal fermion delocalization in Higgsless models. Physical Review D, 2005, 72, .	1.6	62
74	Deconstructed Higgsless models with one-site delocalization. Physical Review D, 2005, 71, .	1.6	49
75	Generalized Weinberg Sum Rules in Deconstructed QCD. Journal of High Energy Physics, 2004, 2004, 004-004.	1.6	11
76	Structure of electroweak corrections due to extended gauge symmetries. Physical Review D, 2004, 69, .	1.6	27
77	Structure of corrections to electroweak interactions in Higgsless models. Physical Review D, 2004, 70, .	1.6	79
78	Review of Particle Physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 592, 1-5.	1.5	4,599
79	Universal non-oblique corrections in Higgsless models and beyond. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 603, 210-218.	1.5	54
80	Unitarity of the higher-dimensional standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 562, 109-117.	1.5	113
81	PRECISION ELECTROWEAK CONSTRAINTS ON HIDDEN LOCAL SYMMETRIES. , 2003, , .		0
82	Flavor physics and fine-tuning in theory space. Physical Review D, 2002, 66, .	1.6	26
83	Electroweak limits on nonuniversal $Z\hat{e}^2$ bosons. Physical Review D, 2002, 66, .	1.6	58
84	Unitarity of compactified five-dimensional Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 175-182.	1.5	159
85	Unitarity of deconstructed five-dimensional Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 532, 121-128.	1.5	87
86	Review of Particle Properties. Physical Review D, 2002, 66, .	1.6	2,845
87	Two-gluon coupling and collider phenomenology of color-octet technirho mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 521, 239-242.	1.5	15
88	TECHNICOLOR AND COMPOSITENESS. , 2001, , .		4
89	Bounds on flavor gauge bosons from precision electroweak data. Physical Review D, 2000, 61, .	1.6	7
90	Limits on a Composite Higgs Boson. Physical Review Letters, 2000, 85, 511-514.	2.9	25

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91	Flavor gauge bosons at the Fermilab Tevatron. <i>Physical Review D</i> , 2000, 62, .	1.6	4
92	Top quark seesaw theory of electroweak symmetry breaking. <i>Physical Review D</i> , 1999, 59, .	1.6	217
93	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.	1.5	21
94	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.	1.5	6
95	General constraints on light resonances in a strongly coupled symmetry-breaking sector. <i>Physical Review D</i> , 1998, 57, 2760-2770.	1.6	5
96	Effective field theory of vacuum tilting. <i>Physical Review D</i> , 1998, 58, .	1.6	9
97	Large-Nand vacuum alignment in top-color models. <i>Physical Review D</i> , 1998, 58, .	1.6	10
98	Zero temperature chiral phase transition inSU(N)gauge theories. <i>Physical Review D</i> , 1997, 55, 5238-5240.	1.6	30
99	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.	1.5	9
100	STRONGLY COUPLED ELECTROWEAK SYMMETRY BREAKING: IMPLICATIONS OF MODELS. <i>Advanced Series on Directions in High Energy Physics</i> , 1997, , 352-382.	0.7	1
101	New strong interactions at the Tevatron?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 380, 92-98.	1.5	104
102	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.	1.5	28
103	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.	1.5	9
104	Isospin Breaking and the Top Quark Mass in Models of Dynamical Electroweak Symmetry Breaking. <i>Progress of Theoretical Physics Supplement</i> , 1996, 123, 105-112.	0.2	1
105	Limits on noncommuting extended technicolor. <i>Physical Review D</i> , 1996, 53, 5258-5267.	1.6	63
106	Limits on the ununified standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 346, 284-290.	1.5	25
107	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.	1.5	55
108	Strong WLWL scattering. <i>AIP Conference Proceedings</i> , 1995, , .	0.3	0

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109	Phenomenology of a nonstandard Higgs boson in $W_L W_L$ scattering. <i>Physical Review D</i> , 1994, 50, 3218-3234.	1.6	46
110	The Higgs boson width is adjustable. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 336, 62-69.	1.5	6
111	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.	1.5	113
112	Beyond the standard model. <i>AIP Conference Proceedings</i> , 1994, , .	0.3	0
113	Walking technicolor and the vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 311, 157-162.	1.5	36
114	Phenomenology of a non-standard Higgs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 309, 371-377.	1.5	15
115	Triviality bounds in two-doublet models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 304, 152-158.	1.5	20
116	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.	1.5	14
117	Analyticity, crossing symmetry, and the limits of chiral perturbation theory. <i>Physical Review D</i> , 1993, 47, 2930-2939.	1.6	35
118	Critical constraints on chiral hierarchies. <i>Physical Review Letters</i> , 1993, 70, 1587-1590.	2.9	27
119	Colored pseudo Goldstone bosons and gauge boson pairs. <i>Physical Review Letters</i> , 1992, 68, 2883-2886.	2.9	8
120	Colored Pseudo Goldstone Bosons and Gauge Boson Pairs. <i>Physical Review Letters</i> , 1992, 69, 1291-1291.	2.9	0
121	Nonoblique effects in the $Z b b \bar{b}$ vertex from extended technicolor dynamics. <i>Physical Review Letters</i> , 1992, 69, 575-577.	2.9	96
122	Scalar resonances in Goldstone boson scattering. <i>Nuclear Physics B</i> , 1992, 372, 44-60.	0.9	8
123	Electroweak corrections in technicolor reconsidered. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 292, 435-441.	1.5	26
124	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.	1.5	7
125	Multi-jet physics at hadron colliders. <i>Nuclear Physics B</i> , 1991, 363, 83-96.	0.9	48
126	Hiding the electroweak symmetry breaking sector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 267, 233-239.	1.5	25

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127	Six-jet signals of highly colored fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 403-408.	1.5	32
128	Electroweak fermion number violation and the production of stable particles in the early universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 387-391.	1.5	273
129	Bounds on halo-particle interactions from interstellar calorimetry. Physical Review Letters, 1990, 65, 957-959.	2.9	43
130	Observing the techniomega at the Superconducting Super Collider. Physical Review D, 1990, 41, 2795-2799.	1.6	12
131	Technicolor cosmology. Nuclear Physics B, 1990, 329, 445-463.	0.9	111
132	Aspects of dynamical electroweak symmetry breaking. Nuclear Physics B, 1990, 343, 554-570.	0.9	77
133	Couplings of a light Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 222, 258-262.	1.5	22
134	Higgs decay into goldstone bosons. Annals of Physics, 1989, 192, 93-103.	1.0	28
135	Could composite interactions be detected at $\hat{s} = MZ$?. Nuclear Physics B, 1989, 326, 1-14.	0.9	5
136	Probing lepton structure at the SSC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 429-435.	1.5	4
137	Probing neutrino structure at the SSC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 436-440.	1.5	3
138	Limits on a light Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 207, 86-90.	1.5	72
139	Weak-isospin violation in $\tilde{\chi}$ -walking $\tilde{\chi}$ technicolor. Physical Review Letters, 1988, 61, 2657-2660.	2.9	30
140	Phenomenology of composite technicolor standard models. Physical Review D, 1987, 36, 2102-2108.	1.6	12
141	A composite technicolor standard model of quarks. Nuclear Physics B, 1987, 292, 93-108.	0.9	40
142	Fourth generation quark masses and KM phenomenology from a fritzsch mass matrix. Nuclear Physics B, 1986, 271, 509-530.	0.9	14
143	Polychromatic penguins don't fly. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 171, 453-458.	1.5	117
144	Radiative decays of vector mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 168, 127-130.	1.5	11

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145	Doubly charged pseudo-goldstone bosons and dynamical $SU(2) \times U(1)$ breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 182, 181-186.	1.5	37
146	Ultraheavy quarks and mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 159, 76-80.	1.5	3