

R Sekhar Chivukula

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4379035/r-sekhar-chivukula-publications-by-year.pdf>

Version: 2024-04-20

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.

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	Spin-2 Kaluza-Klein mode scattering in models with a massive radion. <i>Physical Review D</i> , 2021 , 103,	4.9	1
126	Massive spin-2 scattering amplitudes in extra-dimensional theories. <i>Physical Review D</i> , 2020 , 101,	4.9	13
125	Scattering amplitudes of massive spin-2 Kaluza-Klein states grow only as $O(s)$. <i>Physical Review D</i> , 2020 , 101,	4.9	8
124	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	1112
123	Sum rules for massive spin-2 Kaluza-Klein elastic scattering amplitudes. <i>Physical Review D</i> , 2019 , 100,	4.9	6
122	Characterizing boosted dijet resonances with energy correlation functions. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
121	Colorphilic spin-2 resonances in the LHC dijet channel. <i>Physica Scripta</i> , 2018 , 93, 115301	2.6	4
120	Broadening the reach of simplified limits on resonances at the LHC. <i>Physical Review D</i> , 2017 , 96,	4.9	3
119	RK anomalies and simplified limits on Z' models at the LHC. <i>Physical Review D</i> , 2017 , 96,	4.9	14
118	Simplified Limits on New LHC Resonances. <i>EPJ Web of Conferences</i> , 2017 , 137, 01019	0.3	
117	Simplified limits on resonances at the LHC. <i>Physical Review D</i> , 2016 , 94,	4.9	3
116	Diphoton resonances in the renormalizable coloron model. <i>Physical Review D</i> , 2016 , 94,	4.9	3
115	Distinguishing dijet resonances at the LHC. <i>Physical Review D</i> , 2015 , 91,	4.9	19
114	Distinguishing flavor nonuniversal colorons from Z' bosons at the LHC. <i>Physical Review D</i> , 2015 , 91,	4.9	7
113	Vacuum stability and triviality analyses of the renormalizable coloron model. <i>Physical Review D</i> , 2015 , 92,	4.9	7
112	Color discriminant variable and scalar diquarks at the LHC. <i>Physical Review D</i> , 2015 , 92,	4.9	7
111	Review of Particle Physics. <i>Chinese Physics C</i> , 2014 , 38, 090001	2.2	5549

110	LHC constraints on a Higgs boson partner from an extended color sector. <i>Physical Review D</i> , 2014 , 90,	4.9	7
109	Hadron collider production of massive color-octet vector bosons at next-to-leading order. <i>Physical Review D</i> , 2013 , 87,	4.9	27
108	A flavorful top-coloron model. <i>Physical Review D</i> , 2013 , 87,	4.9	13
107	Same-sign dileptons from colored scalars in the flavorful top-coloron model. <i>Physical Review D</i> , 2013 , 88,	4.9	12
106	Distinguishing color-octet and color-singlet resonances at the Large Hadron Collider. <i>Physical Review D</i> , 2013 , 88,	4.9	11
105	Constraints on the scalar sector of the renormalizable coloron model. <i>Physical Review D</i> , 2013 , 88,	4.9	17
104	Review of Particle Physics*. <i>Physical Review D</i> , 2012 , 86,	4.9	4786
103	Simplified models for LHC new physics searches. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012 , 39, 105005	2.9	242
102	Probing color octet couplings at the Large Hadron Collider. <i>Physical Review D</i> , 2012 , 86,	4.9	5
101	Flavor structure of the three-site Higgsless model. <i>Physical Review D</i> , 2012 , 85,	4.9	4
100	Production of massive color-octet vector bosons at next-to-leading order. <i>Physical Review D</i> , 2012 , 85,	4.9	24
99	Discovering strong top dynamics at the LHC. <i>Physical Review D</i> , 2012 , 86,	4.9	9
98	Discovering new gauge bosons of electroweak symmetry breaking at LHC-8. <i>Physical Review D</i> , 2012 , 86,	4.9	10
97	Technipion limits from LHC Higgs searches. <i>Physical Review D</i> , 2011 , 84,	4.9	12
96	Top-Higgs and top-pion phenomenology in the top triangle moose model. <i>Physical Review D</i> , 2011 , 83,	4.9	14
95	Patterns of custodial isospin violation from a composite top. <i>Physical Review D</i> , 2011 , 84,	4.9	3
94	LHC limits on the top-Higgs in models with strong top-quark dynamics. <i>Physical Review D</i> , 2011 , 84,	4.9	9
93	Custodial isospin violation in the Lee-Wick standard model. <i>Physical Review D</i> , 2010 , 81,	4.9	11

92	THE LIMITS OF CUSTODIAL SYMMETRY. <i>International Journal of Modern Physics A</i> , 2010 , 25, 5082-5096	1.2	1
91	Condensate enhancement and D-meson mixing in technicolor theories. <i>Physical Review D</i> , 2010 , 82,	4.9	11
90	Global symmetries and renormalizability of Lee-Wick theories. <i>Physical Review D</i> , 2010 , 82,	4.9	21
89	Axiguons cannot explain the observed top quark forward-backward asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	60
88	Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010 , 37, 075021	2.9	4379
87	Z-bb and chiral currents in Higgsless models. <i>Physical Review D</i> , 2009 , 79,	4.9	11
86	Limits of custodial symmetry. <i>Physical Review D</i> , 2009 , 80,	4.9	6
85	WLWL scattering in Higgsless models: Identifying better effective theories. <i>Physical Review D</i> , 2009 , 80,	4.9	5
84	Top triangle moose: Combining Higgsless and topcolor mechanisms for mass generation. <i>Physical Review D</i> , 2009 , 80,	4.9	19
83	General sum rules for WW scattering in Higgsless models: Equivalence theorem and deconstruction identities. <i>Physical Review D</i> , 2008 , 78,	4.9	15
82	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
81	Four-site Higgsless model with wave function mixing. <i>Physical Review D</i> , 2008 , 78,	4.9	4
80	Hypercharge-universal topcolor. <i>Physical Review D</i> , 2008 , 77,	4.9	16
79	CERN LHC signatures of new gauge bosons in the minimal Higgsless model. <i>Physical Review D</i> , 2008 , 78,	4.9	62
78	Three site Higgsless model at one loop. <i>Physical Review D</i> , 2007 , 75,	4.9	20
77	Deconstruction and elastic β scattering in Higgsless models. <i>Physical Review D</i> , 2007 , 75,	4.9	9
76	Unitarity and bounds on the scale of fermion mass generation. <i>Physical Review D</i> , 2007 , 75,	4.9	8
75	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

74	A Three site Higgsless model. <i>Physical Review D</i> , 2006 , 74,	4.9	86
73	Review of Particle Physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 33, 1-1232	2.9	3486
72	Ideal fermion delocalization in five dimensional gauge theories. <i>Physical Review D</i> , 2005 , 72,	4.9	17
71	Multigauge-boson vertices and chiral Lagrangian parameters in Higgsless models with ideal fermion delocalization. <i>Physical Review D</i> , 2005 , 72,	4.9	21
70	Ideal fermion delocalization in Higgsless models. <i>Physical Review D</i> , 2005 , 72,	4.9	55
69	Deconstructed Higgsless models with one-site delocalization. <i>Physical Review D</i> , 2005 , 71,	4.9	43
68	Electroweak corrections and unitarity in linear moose models. <i>Physical Review D</i> , 2005 , 71,	4.9	39
67	The meaning of Higgs and χ at the Fermilab Tevatron and the CERN LHC. <i>Physical Review D</i> , 2005 , 72,	4.9	10
66	Generalized Weinberg Sum Rules in Deconstructed QCD. <i>Journal of High Energy Physics</i> , 2004 , 2004, 004-004	4.9	10
65	Structure of electroweak corrections due to extended gauge symmetries. <i>Physical Review D</i> , 2004 , 69,	4.9	26
64	Structure of corrections to electroweak interactions in Higgsless models. <i>Physical Review D</i> , 2004 , 70,	4.9	69
63	Review of Particle Physics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 592, 1-5	4.2	3560
62	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
61	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
60	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
59	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
58	Flavor physics and fine-tuning in theory space. <i>Physical Review D</i> , 2002 , 66,	4.9	25
57	Electroweak limits on nonuniversal Z' bosons. <i>Physical Review D</i> , 2002 , 66,	4.9	58

56	Review of Particle Properties. <i>Physical Review D</i> , 2002 , 66,	4.9	2767
55	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
54	Bounds on flavor gauge bosons from precision electroweak data. <i>Physical Review D</i> , 2000 , 61,	4.9	6
53	Limits on a composite Higgs boson. <i>Physical Review Letters</i> , 2000 , 85, 511-4	7.4	24
52	Flavor gauge bosons at the Fermilab Tevatron. <i>Physical Review D</i> , 2000 , 62,	4.9	4
51	Top quark seesaw theory of electroweak symmetry breaking. <i>Physical Review D</i> , 1999 , 59,	4.9	193
50	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
49	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
48	General constraints on light resonances in a strongly coupled symmetry-breaking sector. <i>Physical Review D</i> , 1998 , 57, 2760-2770	4.9	5
47	Effective field theory of vacuum tilting. <i>Physical Review D</i> , 1998 , 58,	4.9	9
46	Large-N and vacuum alignment in top-color models. <i>Physical Review D</i> , 1998 , 58,	4.9	10
45	Zero temperature chiral phase transition in SU(N) gauge theories. <i>Physical Review D</i> , 1997 , 55, 5238-5240.	4.9	27
44	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
43	STRONGLY COUPLED ELECTROWEAK SYMMETRY BREAKING: IMPLICATIONS OF MODELS. <i>Advanced Series on Directions in High Energy Physics</i> , 1997 , 352-382	0	
42	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
41	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
40	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
39	Limits on noncommuting extended technicolor. <i>Physical Review D</i> , 1996 , 53, 5258-5267	4.9	57

38	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
37	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
36	Phenomenology of a nonstandard Higgs boson in WLWL scattering. <i>Physical Review D</i> , 1994 , 50, 3218-3224	4.9	28
35	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
34	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
33	Analyticity, crossing symmetry, and the limits of chiral perturbation theory. <i>Physical Review D</i> , 1993 , 47, 2930-2939	4.9	28
32	Critical constraints on chiral hierarchies. <i>Physical Review Letters</i> , 1993 , 70, 1587-1590	7.4	26
31	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
30	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
29	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
28	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
27	Colored pseudo Goldstone bosons and gauge boson pairs. <i>Physical Review Letters</i> , 1992 , 68, 2883-2886	7.4	8
26	Nonoblique effects in the Zbb -bar vertex from extended technicolor dynamics. <i>Physical Review Letters</i> , 1992 , 69, 575-577	7.4	94
25	Scalar resonances in Goldstone boson scattering. <i>Nuclear Physics B</i> , 1992 , 372, 44-60	2.8	7
24	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
23	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
22	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
21	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

20	Multi-jet physics at hadron colliders. <i>Nuclear Physics B</i> , 1991 , 363, 83-96	2.8	46
19	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
18	Bounds on halo-particle interactions from interstellar calorimetry. <i>Physical Review Letters</i> , 1990 , 65, 957-959	2.9	38
17	Observing the techniomega at the Superconducting Super Collider. <i>Physical Review D</i> , 1990 , 41, 2795-2799	2.9	12
16	Technicolor cosmology. <i>Nuclear Physics B</i> , 1990 , 329, 445-463	2.8	106
15	Aspects of dynamical electroweak symmetry breaking. <i>Nuclear Physics B</i> , 1990 , 343, 554-570	2.8	74
14	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
13	Higgs decay into goldstone bosons. <i>Annals of Physics</i> , 1989 , 192, 93-103	2.5	25
12	Could composite interactions be detected at $\sqrt{s} = MZ$?. <i>Nuclear Physics B</i> , 1989 , 326, 1-14	2.8	5
11	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
10	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
9	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
8	Weak-isospin violation in "walking" technicolor. <i>Physical Review Letters</i> , 1988 , 61, 2657-2660	7.4	30
7	Phenomenology of composite technicolor standard models. <i>Physical Review D</i> , 1987 , 36, 2102-2108	4.9	11
6	A composite technicolor standard model of quarks. <i>Nuclear Physics B</i> , 1987 , 292, 93-108	2.8	38
5	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
4	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
3	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

- | | | | |
|---|--|-----|----|
| 2 | Fourth generation quark masses and KM phenomenology from a fritzsch mass matrix. <i>Nuclear Physics B</i> , 1986 , 271, 509-530 | 2.8 | 14 |
| 1 | Ultraheavy quarks and mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 159, 76-80 | 4.2 | 3 |