

Nejc KoÅ¡nik

List of Publications by Year in descending order

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39
papers

2,285
citations

279798

23
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

4882
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics of leptoquarks in precision experiments and at particle colliders. Physics Reports, 2016, 641, 1-68. Vector leptoquark resolution of R and $B \rightarrow R D^* \ell$ anomalies. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 270-276.	25.6	448
2	Light colored scalars in $B \rightarrow D^* \ell$ and the mass matrices constraints. Journal of High Energy Physics, 2013, 2013, 1.	4.7	167
3	Scalar leptoquarks from grand unified theories to accommodate the $B \rightarrow D^* \ell$ -physics anomalies. Physical Review D, 2018, 98, .	4.7	140
4	Minimally flavored colored scalar in $B \rightarrow D^* \ell$ and the mass matrices constraints. Journal of High Energy Physics, 2013, 2013, 1.	4.7	116
5	Light colored scalars from grand unification and the forward-backward asymmetry in $B \rightarrow D^* \ell$ production. Physical Review D, 2016, 94, .	4.7	97
6	Lepton flavor nonuniversality in $B \rightarrow D^* \ell$ and $B \rightarrow D^* \ell$ vs. $B \rightarrow D^* \ell$. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 270-276.	4.7	80
7	Lepton flavor nonuniversality in $B \rightarrow D^* \ell$ and $B \rightarrow D^* \ell$. Physical Review D, 2015, 92, .	4.7	79
8	New physics models facing lepton flavor violating Higgs decays at the percent level. Journal of High Energy Physics, 2015, 2015, 1.	4.7	70
9	The role of the S_3 GUT leptoquark in flavor universality and collider searches. Journal of High Energy Physics, 2017, 2017, 1.	4.7	55
10	Limits on scalar leptoquark interactions and consequences for GUTs. Journal of High Energy Physics, 2011, 2011, 1.	3.9	54
11	Prospects of discovering new physics in rare charm decays. European Physical Journal C, 2015, 75, 1.	3.9	53
12	Leptoquark mechanism of neutrino masses within the grand unification framework. European Physical Journal C, 2017, 77, 1.	4.7	44
13	Can scalar leptoquarks explain the $B \rightarrow D^* \ell$ anomalies? Complementarity of the constraints on new physics from $B \rightarrow D^* \ell$ and $B \rightarrow D^* \ell$. High-Energy Physics, 2009, 682, .	4.7	42
14	Heavy and light scalar leptoquarks in proton decay. Physical Review D, 2012, 86, .	4.7	40
15	Model independent constraints on leptoquarks from $B \rightarrow D^* \ell$, $B \rightarrow D^* \ell$, $B \rightarrow D^* \ell$ processes. Physical Review D, 2012, 86, .	4.7	40

#	ARTICLE	IF	CITATIONS
19	Updated constraints on new physics in rare charm decays. Physical Review D, 2007, 76, .	4.7	36
20	Footprints of leptoquarks: from $R_{K^{\{(*)\}}}$ to $R_{K^{\{(*)\}}}$. European Physical Journal C, 2018, 78, 1.	3.9	36
21	GUT Physics in the Era of the LHC. Frontiers in Physics, 2019, 7, .	2.1	35
22	Leptoquarks in flavor changing neutral current charm decays. Physical Review D, 2009, 79, .	4.7	26
23	Resonance catalyzed asymmetries in $D^0 \rightarrow K^+ K^-$ decays. Physical Review D, 2013, 87, .	4.7	24
24	Optimized probes of CP-odd effects in the $B \rightarrow K^* \mu^+ \mu^-$ process at hadron colliders. Nuclear Physics B, 2021, 964, 115328.	2.5	20
25	Light colored scalar as messenger of up-quark flavor dynamics in grand unified theories. Physical Review D, 2010, 82, .	4.7	19
26	Probing the CP nature of the top quark Yukawa at hadron colliders. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
27	Enhanced CP asymmetries in $B \rightarrow K^* \mu^+ \mu^-$. European Physical Journal C, 2020, 80, 1.	3.9	11
28	$B \rightarrow K^* \mu^+ \mu^-$ transition and constraints on new physics in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2006, 74, .	4.7	9
29	Is symmetry breaking of $S \rightarrow U$ violation in an $S \rightarrow U$ transition. Physical Review D, 2016, 94, .	4.7	7
30	Leptoquarks and real singlets: A richer scalar sector behind the origin of dark matter. Physical Review D, 2021, 104, .	4.7	7
31	Simulation of Low Frequency Electromagnetic DC Casting. Materials Science Forum, 2014, 790-791, 390-395.	0.3	4
32	Lepton flavor universality and $C \rightarrow P$ violation in an $C \rightarrow P$ transition. Physical Review D, 2017, 95, .	4.7	4
33	$B \rightarrow K^* \mu^+ \mu^-$ transition and constraints on new physics in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2006, 74, .	0.4	3
34	Dalitz plot analysis of the $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2008, 78, .	4.7	2
35	Optimized Probes of the CP Nature of the Top Quark Yukawa Coupling at Hadron Colliders. Symmetry, 2021, 13, 1129.	2.2	2
36	A multiphysics and multiscale model for low frequency electromagnetic direct-chill casting. IOP Conference Series: Materials Science and Engineering, 2016, 117, 012052.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Ultraviolet Complete Leptoquark Scenario Addressing the B Physics Anomalies. Springer Proceedings in Physics, 2019, , 425-430.	0.2	1
38	Light colored scalars and the up quarks phenomenology. Nuclear Physics, Section B, Proceedings Supplements, 2010, 209, 170-175.	0.4	0
39	Low energy constraints and scalar leptoquarks. EPJ Web of Conferences, 2014, 80, 00002.	0.3	0