

# Nejc KoÅ¡nik

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Optimized probes of CP-odd effects in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo stretchy="false"} \rangle \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mi} \rangle h \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ process at hadron colliders. <i>Nuclear Physics B</i> , 2021, 964, 115328.	2.5	20
2	Optimized Probes of the CP Nature of the Top Quark Yukawa Coupling at Hadron Colliders. <i>Symmetry</i> , 2021, 13, 1129.	2.2	2
3	Leptoquarks and real singlets: A richer scalar sector behind the origin of dark matter. <i>Physical Review D</i> , 2021, 104, .	4.7	7
4	Lepton flavor universality and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:math} \rangle$ violation in an $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ leptoquark model. <i>Physical Review D</i> , 2021, 104, .	4.7	4
5	Enhanced CP asymmetries in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \rightarrow K \mu^+ \mu^-$ . <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	11
6	Probing the CP nature of the top quark Yukawa at hadron colliders. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	18
7	GUT Physics in the Era of the LHC. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	35
8	Ultraviolet Complete Leptoquark Scenario Addressing the B Physics Anomalies. <i>Springer Proceedings in Physics</i> , 2019, , 425-430.	0.2	1
9	Scalar leptoquarks from grand unified theories to accommodate the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -physics anomalies. <i>Physical Review D</i> , 2018, 98, .	4.7	140
10	Footprints of leptoquarks: from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \rightarrow K^* \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ to. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	36
11	Leptoquark mechanism of neutrino masses within the grand unification framework. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	53
12	The role of the S3 GUT leptoquark in flavor universality and collider searches. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	70
13	Palatable leptoquark scenarios for lepton flavor violation in exclusive $b \rightarrow s \ell^+ \ell^-$ , “1 $\hat{a}$ ,” “2 modes. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	140
14	Is symmetry breaking of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle U \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ vector leptoquark resolution of R and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ puzzles. <i>Physical Review D</i> , 2016, 94, .	4.7	167
15	A multiphysics and multiscale model for low frequency electromagnetic direct-chill casting. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 117, 012052.	0.6	1
16	Vector leptoquark resolution of R and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:math} \rangle$ puzzles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 270-270.	4.7	167
17	Physics of leptoquarks in precision experiments and at particle colliders. <i>Physics Reports</i> , 2016, 641, 1-68.	25.6	448
18	Leptoquark model to explain the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -physics anomalies, $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ . <i>Physical Review D</i> , 2016, 94, .	4.7	167



#	ARTICLE	IF	CITATIONS
37	Dalitz plot analysis of the $B^+ \rightarrow K^0 \pi^+$ decays. Physical Review D, 2008, 78, .	4.7	2
38	Updated constraints on new physics in rare charm decays. Physical Review D, 2007, 76, .	4.7	36
39	$b \rightarrow d s \gamma$ transition and constraints on new physics in $B^0$ decays. Physical Review D, 2006, 74, .	4.7	9