

# Nicola Serra

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

5,249  
citations

109137

35  
h-index

82410

72  
g-index

79  
all docs

79  
docs citations

79  
times ranked

7400  
citing authors



#	ARTICLE	IF	CITATIONS
19	Search for Lepton-Flavor Violating Decays $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
20	Amplitude Analysis of $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
21	Measurement of Charged Hadron Production in $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ and $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ . Physical Review Letters, 2019, 123, 232001.	2.9	10
22	-Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 232001.	2.9	10
23	Probing effects of new physics in $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
24	Prospects for disentangling long- and short-distance effects in the decays $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
25	Towards establishing New Physics in $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ decays. , 2019, , .		0
26	Measurement of the Ratio of the $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ and $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$ . Physical Review Letters, 2018, 120, 173802.	2.9	204
27	$B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_e$		

#	ARTICLE	IF	CITATIONS
37	Improved limit on the branching fraction of the rare decay $B_s \rightarrow \mu^+ \mu^- K_S^0$ . European Physical Journal C, 2017, 77, 678.	1.4	17
38	Measuring the breaking of lepton flavor universality in $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review D, 2017, 95, 112001.	1.6	35
39	Measurement of the CP Violation Parameter $A_{FB}^0$ in $B \rightarrow K^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	15
40	Observation of the Doubly-Charmed Baryon $\Lambda_{cc}^+$ . Physical Review Letters, 2017, 119, 112001.	2.9	417
41	Measurement of the CP Violation Parameter $A_{FB}^0$ in $B \rightarrow K^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
42	Observation of $B_c$ States Decaying to $D^0 K^0$ . Physical Review Letters, 2017, 118, 111803.	2.9	25
43	Measurement of the CP Violation Parameter $A_{FB}^0$ in $B \rightarrow K^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	234
44	Branching Fraction and Effective Lifetime and Search for $B \rightarrow \mu^+ \mu^- K^0$ . Physical Review Letters, 2017, 118, 221801.	2.9	220
45	Study of $B \rightarrow K^* \mu^+ \mu^-$ Production in Jets. Physical Review Letters, 2017, 118, 221801.	2.9	39
46	Search for the Decays $B \rightarrow \mu^+ \mu^- K^0$ and $B \rightarrow \mu^+ \mu^- K_S^0$ . Physical Review Letters, 2017, 118, 251802.	2.9	81
47	$\tilde{\chi}_{c1}$ and $\tilde{\chi}_{c2}$ Resonance Parameters with the Decays $B \rightarrow \mu^+ \mu^- K^0$ . Physical Review Letters, 2017, 119, 221801.	2.9	18
48	Observation of Meson Decays to $B \rightarrow \mu^+ \mu^- K^0$ and $B \rightarrow \mu^+ \mu^- K_S^0$ . Physical Review Letters, 2017, 119, 181805.	2.9	21
49	Search for Baryon-Number Violating Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
50	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
51	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \bar{p}$ . Physical Review Letters, 2017, 119, 232001.	2.9	15
52	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
53	Global fits of GUT-scale SUSY models with GAMBIT. European Physical Journal C, 2017, 77, 1.	1.4	70
54	Status of the scalar singlet dark matter model. European Physical Journal C, 2017, 77, 568.	1.4	145

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55	FlavBit: a GAMBIT module for computing flavour observables and likelihoods. European Physical Journal C, 2017, 77, 1.	1.4	27
56	A global fit of the MSSM with GAMBIT. European Physical Journal C, 2017, 77, 1.	1.4	61
57	GAMBIT: the global and modular beyond-the-standard-model inference tool. European Physical Journal C, 2017, 77, 1.	1.4	41
58	A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
59	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
60	Measurement of $C$ Violation in $B^0$ Decays. Physical Review Letters, 2016, 117, 261801.	2.9	12
61	Oscillations in $B^0$ Decays. Physical Review Letters, 2016, 117, 261801.	2.9	27
62	Observation of $B^0 \rightarrow D^0$ and Evidence for $B^0 \rightarrow D^0$ Decays. Physical Review Letters, 2016, 116, 161802.	2.9	6
63	Asymmetries in $B^0$ Search for Violations of Lorentz Invariance and $B^0$ Decays. Physical Review Letters, 2016, 117, 152003.	2.9	42
64	Symmetry in $B^0$ Search for Structure in the $B^0$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	31
65	Search for Structure in the $B^0$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	31
66	Extracting angular observables without a likelihood and applications to rare decays. Physical Review D, 2015, 91, .	1.6	21
67	Evidence for the Strangeness-Changing Weak Decay $B^0 \rightarrow \bar{K}^0$ Measurement of the Ratio of Branching Fractions $R_{B^0 \rightarrow \bar{K}^0}$	2.9	25
68	Measurement of the Ratio of Branching Fractions $R_{B^0 \rightarrow \bar{K}^0}$	2.9	25

#	ARTICLE	IF	CITATIONS
73	New Developments of Near-UV SiPMs at FBK. IEEE Transactions on Nuclear Science, 2013, 60, 2247-2253.	1.2	36
74	$Bd \rightarrow K^* \mu^+ \mu^-$ , 2013, , .		0
75	Development of an automatic procedure for the characterization of silicon photomultipliers. , 2012, , .		36
76	Tests of factorization and $S_U = \frac{3}{T_j} \frac{ETQ_0}{0.0} \frac{rgBT}{\text{Overlock}} \frac{10}{Tf} \frac{50}{622} \frac{Td}{(stretchy="false")}$	1.6	33
77	Branching ratio measurements and the search for new physics in $B_s \rightarrow B^0 \mu^+ \mu^-$	1.6	20
78	PROSPECTS FOR RARE B-DECAYS AT THE LHCb. , 2010, , .		0
79	Microscopic entropy of nondilatonic branes: A 2D approach. Physical Review D, 2004, 70, .	1.6	1