

# Silvano Simula

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

4,235  
citations

147566

31  
h-index

106150

65  
g-index

92  
all docs

92  
docs citations

92  
times ranked

5178  
citing authors

#	ARTICLE	IF	CITATIONS
1	$\left  \frac{\partial}{\partial x} \left( \frac{\partial V}{\partial x} \right) \right $ and $R$		

#	ARTICLE	IF	CITATIONS
19	Extraction of multiple exponential signals from lattice correlation functions. Physical Review D, 2019, 100, .	1.6	4
20	First Lattice Calculation of the QED Corrections to Leptonic Decay Rates. Physical Review Letters, 2018, 120, 072001.	2.9	92
21	Pion vector form factor from lattice QCD at the physical point. Physical Review D, 2018, 97, .	1.6	18
22	Local-duality QCD sum rules for strong isospin breaking in the decay constants of heavy and light mesons. European Physical Journal C, 2018, 78, 168.	1.4	3
23	HVP contributions to the muon ( $g^2$ ) including QED corrections with twisted-mass fermions. EPJ Web of Conferences, 2018, 175, 06006.	0.1	1
24	Extraction of $ V_{cd} $ . European Physical Journal C, 2018, 78, 1.	1.4	27
25	Tensor form factor for the $D \rightarrow K$ transitions with Twisted Mass fermions.. EPJ Web of Conferences, 2018, 175, 13022.	0.1	0
26	Leading isospin-breaking corrections to meson masses on the lattice. EPJ Web of Conferences, 2018, 175, 06002.	0.1	5
27	$D \rightarrow K$ and $D \rightarrow \pi$ semileptonic form factors with $N_f = 2 + 1 + 1$ twisted mass fermions. EPJ Web of Conferences, 2018, 175, 13026.	0.1	0
28	Light-quark contribution to the leading hadronic vacuum polarization term of the muon $a_\mu^{\text{had}}$ from twisted-mass fermions. Physical Review D, 2018, 98, .	1.6	37
29	Simulating twisted mass fermions at physical light, strange, and charm quark masses. Physical Review D, 2018, 98, .	1.6	58
30	HQE parameters from unquenched lattice data on pseudoscalar and vector heavy-light meson masses. EPJ Web of Conferences, 2018, 175, 13028.	0.1	2
31	$K \rightarrow \pi$ matrix elements of the chromomagnetic operator on the lattice. Physical Review D, 2018, 97, .	1.6	14
32	Decay Constants of the Heavy and Light Mesons $D^* \rightarrow D$ and $B^* \rightarrow B$ : Isospin Breaking. , 2018, , .		0
33	Isospin breaking in Heavy-Meson Decay Constants. , 2018, , .		0
34	Heavy-Meson Decay Constants: Isospin Breaking from QCD Sum Rules. EPJ Web of Conferences, 2017, 137, 06017.	0.1	0
35	Review of lattice results concerning low-energy particle physics. European Physical Journal C, 2017, 77, 112.	1.4	439
36	Masses and decay constants of $B_c$ and $B_s$ mesons. Physical Review D, 2018, 98, .	1.6	28

#	ARTICLE	IF	CITATIONS
37	Finite-volume QED corrections to decay amplitudes in lattice QCD. Physical Review D, 2017, 95, .	1.6	36
38	Electromagnetic Corrections to Hadronic Decays from Lattice QCD. Journal of Physics: Conference Series, 2017, 800, 012005.	0.3	0
39	Leading isospin-breaking corrections to pion, kaon, and charmed-meson masses with twisted-mass fermions. Physical Review D, 2017, 95, .	1.6	47
40	Extraction of heavy-quark-expansion parameters from unquenched lattice data on pseudoscalar and vector heavy-light meson masses. Physical Review D, 2017, 96, .	1.6	28
41	Strange and charm HVP contributions to the muon ( $g \hat{a}^2$ ) including QED corrections with twisted-mass fermions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
42	Scalar and vector form factors of $D \rightarrow K \ell \bar{\nu}$ semileptonic decay constants from lattice QCD. Physical Review D, 2017, 95, .	1.6	47
43	Strong Couplings of Three Mesons with Charm(ing) Involvement. EPJ Web of Conferences, 2017, 137, 13010.	0.1	0
44	semileptonic form factors with $B \rightarrow K \ell \bar{\nu}$ decays. Physical Review D, 2017, 95, .	1.6	45
45	quark and $B \rightarrow K \ell \bar{\nu}$ meson decay constants from lattice QCD. Physical Review D, 2017, 95, .	1.6	37
46	Precise Ratios of Decay Constants of Vector over Pseudoscalar B(s) Mesons. , 2016, , .		0
47	Accurate decay-constant ratios $B \rightarrow K \ell \bar{\nu}$ and $B \rightarrow K^* \ell \bar{\nu}$ from lattice QCD. Physical Review D, 2016, 93, .	1.6	19
48	leptonic decay constants $B \rightarrow \ell \bar{\nu}$ and $B \rightarrow K \ell \bar{\nu}$ from lattice QCD. Physical Review D, 2016, 93, .	1.6	79
49	Up, down, strange and charm quark masses with lattice QCD. Nuclear Physics B, 2014, 887, 19-68.	0.9	133
50	B-physics from $N_f = 2$ tmQCD: the Standard Model and beyond. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
51	Kaon mixing beyond the SM from $N_f = 2$ tmQCD and model independent constraints from the UTA. Journal of High Energy Physics, 2013, 2013, 1.	1.6	18
52	Leading isospin breaking effects on the lattice. Physical Review D, 2013, 87, .	1.6	90
53	Isospin breaking effects due to the up-down mass difference in lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
54	D-meson decay constants and a check of factorization in non-leptonic B-decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	48

#	ARTICLE	IF	CITATIONS
55	Heavy-Quark Mass and Heavy-Meson Decay Constants from QCD Sum Rules. , 2011, , .		0
56	Matrix elements of the electromagnetic operator between kaon and pion states. Physical Review D, 2011, 84, .	1.6	39
57	Decay constants of heavy pseudoscalar mesons from QCD sum rules. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 105002.	1.4	52
58	Quark-Hadron Duality and Effective Continuum Thresholds in Dispersive Sum Rules. , 2011, , .		0
59	A proposal for B-physics on current lattices. Journal of High Energy Physics, 2010, 2010, 1.	1.6	43
60	Bound-state parameters from dispersive sum rules for vacuum-to-vacuum correlators. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 035003.	1.4	28
61	10.1007/s11450-008-3015-2. , 2010, 71, 545.		0
62	Electromagnetic form factor of the pion from twisted-mass lattice QCD at $\langle N_f \rangle = 2$ . Physical Review D, 2009, 79, .	1.6	52
63	Study of systematic errors of bound-state parameters in SVZ sum rules. Physics of Atomic Nuclei, 2008, 71, 1461-1469.	0.1	23
64	First lattice QCD study of the axial and vector form factors with breaking corrections. Nuclear Physics B, 2007, 761, 63-91.	0.9	29
65	Dispersion representations and anomalous singularities of the triangle diagram. Physical Review D, 2007, 75, .	1.6	18
66	Experimental moments of the nucleon structure function F2. Nuclear Physics, Section B, Proceedings Supplements, 2007, 174, 23-26.	0.5	2
67	Leading and higher twists in proton, neutron and deuteron unpolarized structure functions F2. European Physical Journal A, 2007, 31, 603-605.	1.0	0
68	Lattice study of semileptonic form factors with twisted boundary conditions. Physical Review D, 2006, 73, .	1.6	45
69	Constituent quarks, chiral symmetry, and chiral point of the constituent quark model. Physical Review D, 2006, 74, .	1.6	13
70	The vector form factor at zero momentum transfer on the lattice. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 387-389.	0.5	2
71	The vector form factor at zero momentum transfer on the lattice. Nuclear Physics B, 2005, 705, 339-362.	0.9	77
72	Width of the JP=12+ pentaquark in the quark-diquark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 265-272.	1.5	21

#	ARTICLE	IF	CITATIONS
73	New extraction of $\hat{\Gamma}_{\pm s}(MZ)$ from proton DIS data. Nuclear Physics B, 2003, 675, 289-308.	0.9	7
74	Neutron electric dipole moment on the lattice: a theoretical reappraisal. Journal of High Energy Physics, 2003, 2003, 019-019.	1.6	18
75	NEUTRON STRUCTURE FUNCTION AND INCLUSIVE DIS FROM 3H AND 3HE TARGETS AT LARGE BJORKEN-X. , 2003, , .		0
76	Neutron structure function and inclusive deep inelastic scattering from 3H and 3He large Bjorken x. Physical Review C, 2002, 66, .	1.1	31
77	Target-mass corrections and the Bloom-Gilman duality of the nucleon structure function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 14-20.	1.5	22
78	SU(6) breaking effects in the nucleon elastic electromagnetic form factors. Physical Review C, 2000, 62, .	1.1	73
79	Analysis of the $\hat{\Gamma}_{b \rightarrow c} + \hat{\Gamma}_{b \rightarrow s}^{1/2}$ decay within a light-front constituent quark model. Physical Review D, 1999, 60, .	1.6	14
80	Probing the standard model and its extensions in rare exclusive $b \rightarrow s, c, u$ decays. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 97-99.	0.5	3
81	Probing right-handed currents in transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 381-389.	1.5	50
82	Isgur-Wise form factors of heavy baryons within a light-front constituent quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 421, 295-302.	1.5	18
83	Bloom-Gilman duality of inelastic structure functions in nucleon and nuclei. Physical Review C, 1998, 57, 356-366.	1.1	30
84	Rare exclusive semileptonic $b \rightarrow c$ transitions in the standard model. Physical Review D, 1998, 57, 6814-6828.	1.6	94
85	Heavy-quark binding and kinetic energies in heavy-light mesons and the constituent quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 415, 273-279.	1.5	6
86	Charmed decays of the B-meson in the quark model. Nuclear Physics, Section B, Proceedings Supplements, 1997, 55, 84-87.	0.5	1
87	Realistic model of the nucleon spectral function in few- and many-nucleon systems. Physical Review C, 1996, 53, 1689-1710.	1.1	232
88	Semi-inclusive deep inelastic electron scattering off the deuteron and the neutron to proton structure function ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 245-252.	1.5	23