

# Daniele Binosi

## List of Publications by Year in descending order

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Version: 2024-02-01

108  
papers

5,510  
citations

76326

40  
h-index

79698

73  
g-index

109  
all docs

109  
docs citations

109  
times ranked

1827  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semileptonic transitions: $B \rightarrow \pi \ell^+ \ell^- (K)$ ; $D \rightarrow \pi \ell^+ \ell^- K$ ; $D \rightarrow \pi \ell^+ \ell^- \bar{K}$ ; and $K \rightarrow \pi \ell^+ \ell^- \bar{K}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136793.	4.1	14
2	Concerning pion parton distributions. European Physical Journal A, 2022, 58, 1.	2.5	25
3	Emergent Hadron Mass in Strong Dynamics. Few-Body Systems, 2022, 63, 1.	1.5	31
4	Valence Quark Ratio in the Proton. Chinese Physics Letters, 2022, 39, 041401.	3.3	15
5	Emergence of pion parton distributions. Physical Review D, 2022, 105, .	4.7	24
6	Higgs modulation of emergent mass as revealed in kaon and pion parton distributions. European Physical Journal A, 2021, 57, 1.	2.5	34
7	Distribution amplitudes of light diquarks. European Physical Journal A, 2021, 57, 1.	2.5	12
8	Revealing the structure of light pseudoscalar mesons at the electron-positron collider. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075106.	3.6	58
9	Semileptonic $B \rightarrow \pi \ell^+ \ell^-$ transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136344.	4.1	16
10	Fresh Extraction of the Proton Charge Radius from Electron Scattering. Physical Review Letters, 2021, 127, 092001.	7.8	19
11	Pion charge radius from pion+electron elastic scattering data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136631.	4.1	16
12	Vector-meson production and vector meson dominance. European Physical Journal C, 2021, 81, 1.	3.9	20
13	Pauli Radius of the Proton. Chinese Physics Letters, 2021, 38, 121401.	3.3	6
14	Spectral functions of confined particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135171.	4.1	76
15	Effective charge from lattice QCD *. Chinese Physics C, 2020, 44, 083102.	3.7	66
16	Semileptonic decays of $D \rightarrow \pi \ell^+ \ell^-$ . Physical Review D, 2020, 102, .	4.7	17
17	Kaon and pion parton distributions. European Physical Journal C, 2020, 80, 1.	3.9	65
18	Nucleon elastic form factors at accessible large spacelike momenta. Physical Review D, 2020, 102, .	4.7	29

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19	Drawing insights from pion parton distributions *. Chinese Physics C, 2020, 44, 031002.	3.7	39
20	Symmetry, symmetry breaking, and pion parton distributions. Physical Review D, 2020, 101, .	4.7	75
21	Off-shell renormalization in the presence of dimension 6 derivative operators. Part III. Operator mixing and $\hat{\Gamma}^2$ functions. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
22	Form factors for the Nucleon-to-Roper electromagnetic transition at large-Q <sup>2</sup> . EPJ Web of Conferences, 2020, 241, 02009.	0.3	4
23	Off-shell renormalization in the presence of dimension 6 derivative operators. II. Ultraviolet coefficients. European Physical Journal C, 2020, 80, 1.	3.9	7
24	Pion and kaon structure at the electron-ion collider. European Physical Journal A, 2019, 55, 1.	2.5	110
25	Off-shell renormalization in the presence of dimension 6 derivative operators. Part I. General theory. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
26	Distribution amplitudes of heavy-light mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 257-262.	4.1	37
27	Nucleon-to-Roper electromagnetic transition form factors at large $Q^2$ . Physical Review D, 2019, 99, .	4.7	43
28	Elastic electromagnetic form factors of vector mesons. Physical Review D, 2019, 100, .	4.7	33
29	Transition form factors. Physical Review D, 2019, 99, .	4.7	32
30	Evidence of ghost suppression in gluon mass scale dynamics. European Physical Journal C, 2018, 78, 1.	3.9	33
31	Process-Independent Effective Coupling: From QCD Green's Functions to Phenomenology. Few-Body Systems, 2018, 59, 1.	1.5	45
32	Coupled dynamics in gluon mass generation and the impact of the three-gluon vertex. Physical Review D, 2018, 97, .	4.7	23
33	Off-shell renormalization in Higgs effective field theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
34	Schwinger mechanism in linear covariant gauges. Physical Review D, 2017, 95, .	4.7	31
35	The European quantum technologies flagship programme. Quantum Science and Technology, 2017, 2, 030501.	5.8	50
36	Process-independent strong running coupling. Physical Review D, 2017, 96, .	4.7	105

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37	Natural constraints on the gluon-quark vertex. <i>Physical Review D</i> , 2017, 95, .	4.7	77
38	Scale-setting, flavor dependence, and chiral symmetry restoration. <i>Physical Review D</i> , 2017, 95, .	4.7	34
39	Three-gluon Green functions: low-momentum instanton dominance and zero-crossing. <i>EPJ Web of Conferences</i> , 2017, 137, 03018.	0.3	3
40	Mass generation in Yang-Mills theories. <i>EPJ Web of Conferences</i> , 2017, 164, 03005.	0.3	2
41	From continuum QCD to hadron observables. <i>EPJ Web of Conferences</i> , 2016, 113, 05002.	0.3	4
42	Unified description of seagull cancellations and infrared finiteness of gluon propagators. <i>Physical Review D</i> , 2016, 94, .	4.7	31
43	On the zero crossing of the three-gluon vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 761, 444-449.	4.1	76
44	Symmetry preserving truncations of the gap and Bethe-Salpeter equations. <i>Physical Review D</i> , 2016, 93, .	4.7	86
45	The gluon mass generation mechanism: A concise primer. <i>Frontiers of Physics</i> , 2016, 11, 1.	5.0	71
46	Yang-Mills two-point functions in linear covariant gauges. <i>Physical Review D</i> , 2015, 91, .	4.7	57
47	Lattice gluon propagator in renormalizable $\overline{\text{MS}}$ gauges. <i>Physical Review D</i> , 2015, 92, .	4.7	51
48	The two-, three- and four-gluon sector of QCD in the Landau gauge. <i>Journal of Physics: Conference Series</i> , 2015, 631, 012066.	0.4	0
49	Bridging a gap between continuum-QCD and ab initio predictions of hadron observables. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 742, 183-188.	4.1	175
50	Renormalization group equation for weakly power-counting renormalizable theories. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	2
51	Nonperturbative study of the four gluon vertex. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	38
52	Renormalization group analysis of the gluon mass equation. <i>Physical Review D</i> , 2014, 89, .	4.7	40
53	Effects of divergent ghost loops on the Green's functions of QCD. <i>Physical Review D</i> , 2014, 89, .	4.7	66
54	New method for determining the quark-gluon vertex. <i>Physical Review D</i> , 2014, 90, .	4.7	64

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55	High-energy QCD evolution from BRST symmetry. European Physical Journal C, 2014, 74, 1.	3.9	2
56	Scalar resonances in the non-linearly realized electroweak theory. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
57	Gluon mass generation in the presence of dynamical quarks. Physical Review D, 2013, 88, .	4.7	29
58	QCD effective charge from the three-gluon vertex of the background-field method. Physical Review D, 2013, 87, .	4.7	13
59	Anti-BRST symmetry and background field method. Physical Review D, 2013, 88, .	4.7	22
60	Quark flavor effects on gluon and ghost propagators. Physical Review D, 2012, 86, .	4.7	143
61	Canonical transformations and renormalization group invariance in the presence of nontrivial backgrounds. Physical Review D, 2012, 85, .	4.7	11
62	All-order equation of the effective gluon mass. Physical Review D, 2012, 86, .	4.7	48
63	Unquenching the gluon propagator with Schwinger-Dyson equations. Physical Review D, 2012, 86, .	4.7	73
64	Background field method as a canonical transformation. Physical Review D, 2012, 85, .	4.7	27
65	Gluon mass through ghost synergy. Journal of High Energy Physics, 2012, 2012, 1.	4.7	19
66	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 993.	0.1	0
67	Gauge invariant Ansatz for a special three-gluon vertex. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
68	Dynamical equation of the effective gluon mass. Physical Review D, 2011, 84, .	4.7	54
69	Slavnov-Taylor constraints for nontrivial backgrounds. Physical Review D, 2011, 84, .	4.7	14
70	A dynamical study of the Kugo-Ojima function. , 2011, , .		0
71	QCD effective charges from lattice data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	71
72	Nonperturbative gluon and ghost propagators for $d=3$ Yang-Mills theory. Physical Review D, 2010, 81, .	4.7	19

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73	The IR sector of QCD: lattice versus Schwinger-Dyson equations. , 2010, , .		0
74	Indirect determination of the Kugo-Ojima function from lattice data. Journal of High Energy Physics, 2009, 2009, 066-066.	4.7	44
75	The lifetime of unstable particles in electromagnetic fields. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 045001.	3.6	4
76	Pinch technique: Theory and applications. Physics Reports, 2009, 479, 1-152.	25.6	323
77	JaxoDraw: A graphical user interface for drawing Feynman diagrams. Version 2.0 release notes. Computer Physics Communications, 2009, 180, 1709-1715.	7.5	261
78	Nonperturbative comparison of QCD effective charges. Physical Review D, 2009, 80, .	4.7	153
79	Gauge-invariant truncation scheme for the Schwinger-Dyson equations of QCD. Physical Review D, 2008, 77, .	4.7	60
80	Gluon and ghost propagators in the Landau gauge: Deriving lattice results from Schwinger-Dyson equations. Physical Review D, 2008, 78, .	4.7	405
81	New Schwinger-Dyson equations for non-Abelian gauge theories. Journal of High Energy Physics, 2008, 2008, 063-063.	4.7	62
82	CP violation and the H-A lineshape. Journal of Physics: Conference Series, 2008, 110, 072031.	0.4	0
83	Pinch technique for Schwinger-Dyson equations. Journal of High Energy Physics, 2007, 2007, 041-041.	4.7	9
84	Increasing entanglement through engineered disorder in the random Ising chain. Physical Review B, 2007, 76, .	3.2	26
85	Quantum Information Classification Scheme. European Physical Journal D, 2006, 38, 237-237.	1.3	0
86	CP violation through particle mixing and the H-A lineshape. Journal of High Energy Physics, 2006, 2006, 023-023.	4.7	9
87	Quantum information processing and communication. European Physical Journal D, 2005, 36, 203-228.	1.3	272
88	Forward-backward equations for nonlinear propagation in axially invariant optical systems. Physical Review E, 2005, 71, 016601.	2.1	33
89	Displacement operator formalism for renormalization and gauge dependence to all orders. Physical Review D, 2005, 71, .	4.7	14
90	The effective neutrino charge radius in the presence of fermion masses. Nuclear Physics B, 2005, 716, 352-372.	2.5	17

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91	The effective neutrino charge radius. <i>European Physical Journal C</i> , 2004, 33, s865-s867.	3.9	9
92	JaxoDraw: A graphical user interface for drawing Feynman diagrams. <i>Computer Physics Communications</i> , 2004, 161, 76-86.	7.5	534
93	BRST-driven cancellations and gauge invariant Green's functions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 133, 281-284.	0.4	1
94	Pinch technique self-energies and vertices to all orders in perturbation theory. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, 203-234.	3.6	74
95	Electroweak pinch technique to all orders. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, 1021-1064.	3.6	23
96	Vortex solitons in photonic crystal fibers. <i>Optics Express</i> , 2004, 12, 817.	3.4	83
97	The QCD effective charge to all orders. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 121, 281-284.	0.4	21
98	Spatial soliton formation in photonic crystal fibers. <i>Optics Express</i> , 2003, 11, 452.	3.4	71
99	Gauge-independent off-shell fermion self-energies at two loops: The cases of QED and QCD. <i>Physical Review D</i> , 2002, 65, .	4.7	10
100	Two-loop pinch technique in the electroweak sector. <i>Physical Review D</i> , 2002, 66, .	4.7	10
101	Pinch technique to all orders. <i>Physical Review D</i> , 2002, 66, .	4.7	88
102	Pinch technique and the Batalin-Vilkovisky formalism. <i>Physical Review D</i> , 2002, 66, .	4.7	62
103	Single-spin asymmetry parameter from deeply virtual Compton scattering of hadrons up to twist-3 accuracy. <i>European Physical Journal A</i> , 2002, 14, 95-103.	2.5	3
104	Domain walls in supersymmetric QCD: The taming of the zoo. <i>Physical Review D</i> , 2001, 63, .	4.7	23
105	Domain wall junctions in a generalized Wess-Zumino model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 476, 124-133.	4.1	36
106	Leaving the BPS bound: Tunneling of classically saturated solitons. <i>Physical Review D</i> , 2000, 63, .	4.7	10
107	Quantum scalar field on the massless(2+1)-dimensional black hole background. <i>Physical Review D</i> , 1999, 59, .	4.7	17
108	Quantum scalar field in D-dimensional static black hole space $\times$ time. <i>Journal of Mathematical Physics</i> , 1999, 40, 5106-5116.	1.1	7