

Christian S Fischer

List of Publications by Year in descending order

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105
papers

5,651
citations

87888

38
h-index

76900

74
g-index

108
all docs

108
docs citations

108
times ranked

4462
citing authors

#	ARTICLE	IF	CITATIONS
1	Quenched glueball spectrum from functional equations. EPJ Web of Conferences, 2022, 258, 03001.	0.3	1
2	Four-quark states with charm quarks in a two-body Bethe-Salpeter approach. European Physical Journal C, 2022, 82, 1.	3.9	15
3	Light scalars: Four-quark versus two-quark states in the complex energy plane from Bethe-Salpeter equations. Physical Review D, 2022, 105, .	4.7	5
4	Nucleon axial-vector and pseudoscalar form factors and PCAC relations. Physical Review D, 2022, 105, .	4.7	15
5	Electromagnetic and strong isospin breaking in light meson masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137291.	4.1	3
6	Thermodynamics from the quark condensate. Physical Review D, 2021, 103, .	4.7	10
7	Form factors of the nucleon axial current. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136150.	4.1	21
8	Masses and decay constants of (axial-)vector mesons at finite chemical potential. European Physical Journal A, 2021, 57, 1.	2.5	6
9	Locating the critical endpoint of QCD: Mesonic backcoupling effects. Physical Review D, 2021, 104, .	4.7	11
10	Critical endpoint of QCD in a finite volume. Physical Review D, 2021, 104, .	4.7	13
11	Higher spin glueballs from functional methods. European Physical Journal C, 2021, 81, 1.	3.9	20
12	$\langle \bar{\psi} \psi \rangle$ -meson: Four-quark versus two-quark components and decay width in a Bethe-Salpeter approach. Physical Review D, 2020, 102, .	4.7	14
13	Hybrid phenomenology in a chiral approach. European Physical Journal Plus, 2020, 135, 1.	2.6	12
14	The anomalous magnetic moment of the muon in the Standard Model. Physics Reports, 2020, 887, 1-166.	25.6	790
15	Four-Quark States from Functional Methods. Few-Body Systems, 2020, 61, 1.	1.5	20
16	Kaon-box contribution to the anomalous magnetic moment of the muon. Physical Review D, 2020, 101, .	4.7	74
17	Spectrum of scalar and pseudoscalar glueballs from functional methods. European Physical Journal C, 2020, 80, 1077.	3.9	34
18	Dyson-Schwinger approach to baryon number fluctuations. Journal of Physics: Conference Series, 2020, 1667, 012015.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Landau gauge Yang-Mills propagators in the complex momentum plane. <i>Physical Review D</i> , 2020, 102, .	4.7	37
20	Disentangling different structures in heavy-light four-quark states. <i>Physical Review D</i> , 2020, 102, .	4.7	5
21	Mesons at finite chemical potential and the Silver-Blaze property of QCD. <i>Journal of Physics: Conference Series</i> , 2020, 1667, 012011.	0.4	3
22	X(3872) as a four-quark state in a Dyson-Schwinger/Bethe-Salpeter approach. <i>Physical Review D</i> , 2019, 100, .	4.7	17
23	Baryon number fluctuations in the QCD phase diagram from Dyson-Schwinger equations. <i>Physical Review D</i> , 2019, 100, .	4.7	63
24	Quarks and light (pseudo-)scalar mesons at finite chemical potential. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	18
25	Single pseudoscalar meson pole and pion box contributions to the anomalous magnetic moment of the muon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134855.	4.1	22
26	QCD at finite temperature and chemical potential from Dyson-Schwinger equations. <i>Progress in Particle and Nuclear Physics</i> , 2019, 105, 1-60.	14.4	189
27	Baryon Structure and Reactions from Dyson-Schwinger Equations. <i>Few-Body Systems</i> , 2019, 60, 1.	1.5	8
28	Corrigendum to: "Single pseudoscalar meson pole and pion box contributions to the anomalous magnetic moment of the muon" [Phys. Lett. B 797 (2019) 134855]. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 799, 135029.	4.1	12
29	Electromagnetic transition form factors of baryons in the space-like momentum region. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	20
30	Electromagnetic decays of the neutral pion investigated in the Dyson-Schwinger formalism. <i>Journal of Physics: Conference Series</i> , 2018, 1024, 012032.	0.4	1
31	Electromagnetic transition form factors of baryons in a relativistic Faddeev approach. <i>EPJ Web of Conferences</i> , 2018, 181, 01013.	0.3	2
32	Bayesian analysis of quark spectral properties from the Dyson-Schwinger equation. <i>Physical Review D</i> , 2018, 98, .	4.7	25
33	Hadronic decays of the (pseudo-)scalar charmonium states η_{c1} and χ_{c0} . <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	7
34	Light tetraquarks in a Dyson-Schwinger/Bethe-Salpeter approach. <i>Journal of Physics: Conference Series</i> , 2018, 1024, 012035.	0.4	1
35	Electromagnetic decays of the neutral pion. <i>Physical Review D</i> , 2017, 96, .	4.7	31
36	On the large- Q^2 behavior of the pion transition form factor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 425-429.	4.1	25

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37	Baryons with functional methods. EPJ Web of Conferences, 2017, 134, 02007.	0.3	0
38	Light baryons and their excitations. Physical Review D, 2016, 94, .	4.7	60
39	The light scalar mesons as tetraquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 282-287.	4.1	47
40	Baryons as relativistic three-quark bound states. Progress in Particle and Nuclear Physics, 2016, 91, 1-100.	14.4	299
41	Baryon effects on the location of QCD's critical end point. Physical Review D, 2016, 93, .	4.7	63
42	Light mesons in QCD and unquenching effects from the 3PI effective action. Physical Review D, 2016, 93, .	4.7	133
43	The muon $g-2$: Dyson-Schwinger status on hadronic light-by-light scattering. AIP Conference Proceedings, 2016, , .	0.4	5
44	Dynamical gap generation in graphene with frequency-dependent renormalization effects. Physical Review B, 2016, 94, .	3.2	21
45	Hyperon elastic electromagnetic form factors in the space-like momentum region. European Physical Journal A, 2016, 52, 1.	2.5	16
46	Glueballs from the Bethe-Salpeter equation. Physical Review D, 2015, 92, .	4.7	33
47	Four-point functions and the permutation group S_4 . Physical Review D, 2015, 92, .	4.7	35
48	Approaching the QCD phase diagram for $N_f = 2+1$ and $N_f = 2 + 1 + 1$ quark flavors. Journal of Physics: Conference Series, 2015, 599, 012015.	0.4	1
49	Regge behaviour within the Bethe-Salpeter approach. Journal of Physics: Conference Series, 2015, 599, 012013.	0.4	2
50	Phase structure of QCD for heavy quarks. Physical Review D, 2015, 91, .	4.7	28
51	Spectra of heavy mesons in the Bethe-Salpeter approach. European Physical Journal A, 2015, 51, 1.	2.5	69
52	Beyond Rainbow-Ladder in a covariant three-body Bethe-Salpeter approach: Baryons. EPJ Web of Conferences, 2014, 73, 04019.	0.3	0
53	Phase structure of three and four flavor QCD. Physical Review D, 2014, 90, .	4.7	153
54	Heavy tetraquark confining potential in Coulomb gauge QCD. Physical Review D, 2014, 89, .	4.7	3

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55	Octet and decuplet masses: A covariant three-body Faddeev calculation. Physical Review D, 2014, 90, .	4.7	29
56	Locating the critical end point of QCD. Nuclear Physics A, 2014, 931, 774-779.	1.5	14
57	Running coupling in the conformal window of large-Nf QCD. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
58	Dynamical quark mass generation in a strong external magnetic field. Physical Review D, 2014, 89, .	4.7	54
59	Mass spectra and Regge trajectories of light mesons in the Bethe-Salpeter approach. European Physical Journal A, 2014, 50, 1.	2.5	52
60	Beyond rainbow-ladder in bound state equations. European Physical Journal A, 2014, 50, 1.	2.5	38
61	Polyakov loop potential at finite density. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 273-277.	4.1	76
62	Pion cloud effects on baryon masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 151-157.	4.1	45
63	Implications and phase structure of chiral limits http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>N</mml:mi></mml:mrow><mml:mrow><mml:mi>f</mml:mi></mml:mrow></mml:msub><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>N</mml:mi></mml:mrow><mml:mrow><mml:mi>f</mml:mi></mml:mrow></mml:msub></mml:math>	4.1	130
64	Role of momentum dependent dressing functions and vector meson dominance in hadronic light-by-light contributions to the muon $g-2$ http://www.w3.org/1998/Math/MathML display="inline"><mml:mi>g</mml:mi><mml:mo>âˆ“</mml:mo><mml:mn>2</mml:mn></mml:math> and High-Energy Physics, 2013, 716, 1036-1043. Physical Review D, 2013, 87, .	4.7	27
65	Nucleon Compton scattering in the Dyson-Schwinger approach. Physical Review D, 2013, 87, .	4.7	27
66	The phase diagram of $N_f = 2$ and $N_f = 2 + 1$ QCD from quark and gluon propagators. Journal of Physics: Conference Series, 2013, 426, 012021.	0.4	2
67	Analytic Structure of the Landau-Gauge Gluon Propagator. Physical Review Letters, 2012, 109, 252001.	7.8	143
68	Unified description of hadron-photon and hadron-meson scattering in the Dyson-Schwinger approach. Physical Review D, 2012, 85, .	4.7	16
69	Critical scaling of finite temperature QED3 in anisotropic space-time. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 532-537.	4.1	7
70	Tetraquark bound states in a Bethe-Salpeter approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 545-549.	4.1	80
71	Two-flavor QCD at finite temperature and chemical potential in a functional approach. Progress in Particle and Nuclear Physics, 2012, 67, 200-205.	14.4	6
72	Analytic structure of Landau gauge ghost and gluon propagators. Progress in Particle and Nuclear Physics, 2012, 67, 239-244.	14.4	7

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73	Effects of anisotropy in (2+1)-dimensional QED. Progress in Particle and Nuclear Physics, 2012, 67, 245-249.	14.4	3
74	Hadronic light-by-light scattering in the muon $g-2$: A Dyson-Schwinger equation approach. Physical Review D, 2011, 83, .	4.7	47
75	Chiral and deconfinement phase transitions of two-flavour QCD at finite temperature and chemical potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 438-441.	4.1	108
76	Leading-order calculation of hadronic contributions to the Muon $g-2$ using the Dyson-Schwinger approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 211-217.	4.1	22
77	Beyond Miransky scaling. Physical Review D, 2011, 84, .	4.7	42
78	Critical scaling at the QCD N_f chiral phase transition. Physical Review D, 2011, 84, .	4.7	20
79	Effects of anisotropy in QED ₃ from Dyson-Schwinger equations in a box. Physical Review B, 2011, 84, .	3.2	9
80	Scaling, decoupling and transversality of the gluon propagator. , 2011, , .		4
81	Hadronic contribution to the muon $g-2$ from a Dyson-Schwinger perspective. , 2011, , .		1
82	Chiral and deconfinement transition from correlation functions: SU(2) vs. SU(3). European Physical Journal C, 2010, 68, 165-181.	3.9	98
83	Quark spectral properties above T_c from Dyson-Schwinger equations. European Physical Journal C, 2010, 70, 1037-1049.	3.9	46
84	Bethe-Salpeter equations: mesons beyond the rainbow-ladder truncation. Chinese Physics C, 2010, 34, 1500-1503.	3.7	5
85	Volume behavior of quark condensate, pion mass, and decay constant from Dyson-Schwinger equations. Physical Review D, 2010, 81, .	4.7	38
86	Finite-volume effects and dynamical chiral symmetry breaking in QED ₃ . Physical Review B, 2009, 79, .	3.2	25
87	Deconfinement Phase Transition and the Quark Condensate. Physical Review Letters, 2009, 103, 052003.	7.8	103
88	Uniqueness of infrared asymptotics in Landau gauge Yang-Mills theory. II.. Physical Review D, 2009, 80, .	4.7	85
89	Probing the Gluon Self-Interaction in Light Mesons. Physical Review Letters, 2009, 103, 122001.	7.8	105
90	On the infrared behavior of Landau gauge Yang-Mills theory. Annals of Physics, 2009, 324, 2408-2437.	2.8	381

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91	The quark-gluon vertex in Landau gauge QCD: Its role in dynamical chiral symmetry breaking and quark confinement. <i>Annals of Physics</i> , 2009, 324, 106-172.	2.8	139
92	On Gribov's supercriticality picture of quark confinement. <i>European Physical Journal C</i> , 2009, 60, 47-61.	3.9	51
93	Chiral and deconfinement transition from Dyson-Schwinger equations. <i>Physical Review D</i> , 2009, 80, .	4.7	81
94	The infrared behavior of Landau gauge Yang-Mills theory in d , 3 and 4 dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 434-440.	4.1	58
95	Beyond the rainbow: Effects from pion back-coupling. <i>Physical Review D</i> , 2008, 78, .	4.7	73
96	Running coupling from the four-gluon vertex in Landau gauge Yang-Mills theory. <i>Physical Review D</i> , 2008, 78, .	4.7	37
97	DYNAMICALLY INDUCED SCALAR QUARK CONFINEMENT. <i>Modern Physics Letters A</i> , 2008, 23, 1105-1113.	1.2	31
98	Uniqueness of infrared asymptotics in Landau gauge Yang-Mills theory. <i>Physical Review D</i> , 2007, 75, .	4.7	112
99	Hadronic unquenching effects in the quark propagator. <i>Physical Review D</i> , 2007, 76, .	4.7	68
100	Large volume behaviour of Yang-Mills propagators. <i>Annals of Physics</i> , 2007, 322, 2916-2944.	2.8	48
101	Semiperturbative construction for the quark-gluon vertex. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 152, 43-46.	0.4	14
102	Studying unquenching effects in QCD with Dyson-Schwinger equations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 153, 90-97.	0.4	3
103	Infrared properties of QCD from Dyson-Schwinger equations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, R253-R291.	3.6	382
104	Infrared behavior and running couplings in interpolating gauges in QCD. <i>Physical Review D</i> , 2005, 72, .	4.7	24
105	Renormalization flow of Yang-Mills propagators. <i>Journal of High Energy Physics</i> , 2004, 2004, 048-048.	4.7	92