Stanislaw Glazek

List of Publications by Year
in descending order

Version: 2024-02-01

51 papers	1,220 citations	516681 16 h-index	361001 35 g-index
53 all docs	53 docs citations	53 times ranked	459 citing authors

#	Article	IF	Citations
1	Renormalization of Hamiltonians. Physical Review D, 1993, 48, 5863-5872.	4.7	401
2	Nonperturbative QCD: A weak-coupling treatment on the light front. Physical Review D, 1994, 49, 6720-6766.	4.7	240
3	Limit Cycles in Quantum Theories. Physical Review Letters, 2002, 89, 230401.	7.8	78
4	Asymptotic freedom and bound states in Hamiltonian dynamics. Physical Review D, 1998, 57, 3558-3566.	4.7	39
5	Universality, marginal operators, and limit cycles. Physical Review B, 2004, 69, .	3.2	33
6	Asymptotic freedom in the front-form Hamiltonian for quantum chromodynamics of gluons. Physical Review D, 2015, 92, .	4.7	31
7	Analytic treatment of positronium spin splittings in light-front QED. Physical Review D, 1997, 55, 6561-6583.	4.7	30
8	Dynamics of effective gluons. Physical Review D, 2001, 63, .	4.7	28
9	Special example of relativistic hamiltonian field theory. Physical Review D, 1992, 45, 3740-3754.	4.7	26
10	Renormalization of overlapping transverse divergences in a model light-front Hamiltonian. Physical Review D, 1993, 47, 4657-4669.	4.7	26
11	Impact of bound states on similarity renormalization group transformations. Physical Review D, 2008, 78, .	4.7	20
12	Renormalized quarkâ€“antiquark Hamiltonian induced by a gluon mass ansatz in heavy-flavor QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 172-178.	4.1	20
13	Approximate Hamiltonian for baryons in heavy-flavor QCD. European Physical Journal C, 2018, 78, 1.	3.9	20
14	Large-momentum convergence of Hamiltonian bound-state dynamics of effective fermions in quantum field theory. Physical Review D, 2002, 66, .	4.7	19
15	Fixed sources in light-front dynamics and Wilson's model of coupling-constant renormalization. Physical Review D, 1992, 45, 3734-3739.	4.7	17
16	Harmonic oscillator force between heavy quarks. Physical Review D, 2004, 69, .	4.7	16
17	Model of the AdS/QFT duality. Physical Review D, 2013, 88, .	4.7	16
18	Optimization of perturbative similarity renormalization group for Hamiltonians with asymptotic freedom and bound states. Physical Review D, 2003, 67, .	4.7	14

#	Article	IF	Citations
19	Renormalized PoincarÃ© algebra for effective particles in quantum field theory. Physical Review D, 2002, 65, .	4.7	12
20	Limit cycles of effective theories. Physical Review D, 2007, 75, .	4.7	11
21	Boost-invariant Hamiltonian approach to heavy quarkonia. Physical Review D, 2006, 74, .	4.7	10
22	Renormalization group procedure for effective particles: Elementary example of an exact solution with finite mass corrections and no involvement of vacuum. Physical Review D, 2012, 85, .	4.7	10
23	Fermion mass mixing and vacuum triviality in the renormalization group procedure for effective particles. Physical Review D, 2013, 87, .	4.7	8
24	Calculation of size for bound-state constituents. Physical Review D, 2014, 90, .	4.7	8
25	Special relativity constraints on an effective constituent theory of hybrids. Physical Review D, 2003, 67, .	4.7	7
26	Hypothesis of Quark Binding by Condensation of Gluons in Hadrons. Few-Body Systems, 2012, 52, 367-373.	1.5	7
27	Manifestation of proton structure in ridge-like correlations in high-energy protonâ€“proton collisions. Lithuanian Journal of Physics, 2015, 55, .	0.4	7
28	Relativistic scattering and bound-state properties in a special Hamiltonian model. Physical Review D, 1994, 50, 971-979.	4.7	6
29	Boost-invariant running couplings in effective Hamiltonians. Physical Review D, 1999, 60, .	4.7	6
30	Relativistic Hamiltonian dynamics of pions in nucleons. Physical Review C, 1996, 53, 3097-3110.	2.9	5
31	Proton Structure in High-Energy High-Multiplicity pâ€“p Collisions. Few-Body Systems, 2016, 57, 425-430.	1.5	5
32	Effective Particles in Quantum Field Theory. Few-Body Systems, 2017, 58, 1.	1.5	4
33	Computation of effective front form Hamiltonians for massive Abelian gauge theory. Physical Review D, 2020, 101, .	4.7	4
34	Ridge effect, azimuthal correlations, and other novel features of gluonic string collisions in high energy photon-mediated reactions. Physical Review D, 2018, 97, .	4.7	3
35	Elementary example of exact effective-Hamiltonian computation. Physical Review D, 2021, 103, .	4.7	3
36	Limit Cycles in Quantum Mechanics. Lecture Notes in Physics, 2006, , 65-78.	0.7	2

#	Article	IF	Citations
37	Light-front Hamiltonians for heavy quarks and gluons. Nuclear Physics, Section B, Proceedings Supplements, 2006, 161, 59-68.	0.4	2
38	Neutrino oscillations in the front form of Hamiltonian dynamics. Physical Review D, 2013, 87, .	4.7	2
39	Example of a Model for AdS/QFT Duality. Few-Body Systems, 2014, 55, 463-469.	1.5	2
40	Renormalization group procedure for effective particles in light-front Hamiltonian dynamics. Nuclear Physics, Section B, Proceedings Supplements, 2000, 90, 175-178.	0.4	1
41	Publisherâ€™s Note: Neutrino oscillations in the formal theory of scattering [Phys. Rev. D85, 125001 (2012)]. Physical Review D, 2012, 85, .	4.7	1
42	Neutrino oscillations in the formal theory of scattering. Physical Review D, 2012, 85, .	4.7	1
43	Renormalization group approach to quantum Hamiltonian dynamics. International Journal of Modern Physics A, 2015, 30, 1530023.	1.5	1
44	Elementary example of energy and momentum of an extended physical system in special relativity. American Journal of Physics, 2017, 85, 529-541.	0.7	1
45	Theory of Hadrons and Light-Front QCD. , 1995, , .		1
46	Fermion Mass Mixing in Vacuum. Few-Body Systems, 2014, 55, 535-544.	1.5	0
47	Proton Radius Puzzle in Hamiltonian Dynamics. Few-Body Systems, 2015, 56, 311-317.	1.5	0
48	Asymptotically free interactions in the Fock space. AIP Conference Proceedings, 2016, , .	0.4	0
49	Asymptocic Freedom of Gluons in Hamiltonian Dynamics. Few-Body Systems, 2016, 57, 509-513.	1.5	0
50	MASSES AND BOOST-INVARIANT WAVE FUNCTIONS OF HEAVY QUARKONIA FROM THE LIGHT-FRONT HAMILTONIAN OF QCD. , 2007, , .		0
51	Title is missing!. , 2017, , .		0