

1. *S. Głazek*
“**Deuteron structure in elastic electron-deuteron scattering**”,
Acta Physica Polonica B **14**, 893 (1983).
2. *S. Głazek*
“**Relativistic effects in the deuteron binding energy**”,
Acta Physica Polonica B **15**, 889 (1984).
3. *S. Głazek*
“**Structure of the deuteron electromagnetic current and the continuity of nuclear and quark dynamics**”,
in “Few Body Problems in Physics”, Vol. II, p. 307,
ed. B. Zeitnitz, Elsevier, New York, 1984.
4. *A. Głazek, S. Głazek, J. M. Namysłowski, E. Werner*
“**Slow and fast quarks in nucleons**”,
Physics Letters B **158**, 150 (1985).
5. *S. Głazek*
“**Interaction and structure of nucleons in deuterium**”,
Acta Physica Austriaca, Suppl. **XXVII**, 661 (1985)
6. *S. Głazek, M. Schaden*
“**The role of mesonic degrees of freedom in deep inelastic structure functions of nuclei**”,
Zeitschrift fuer Physik A **323**, 451 (1986).
7. *S. Głazek*
“**Light front solution to problems of the conventional approach to deep inelastic electron-deuteron scattering**”,
Acta Physica Polonica B **18**, 85 (1987).
8. *S. Głazek*
“**Finding quarkonia in the QCD vacuum**”,
in “Recent Developments in Mathematical Physics”,
ed. H. Mitter and L. Pittner, Springer, Berlin, 1987.
9. *M. J. Lavelle, E. Werner, S. Głazek*
“**Hadron wave functions with condensate induced running masses**”,
in “The Elementary Structure of Matter”, Les Houches 1987,
ed. J. Richard, Springer, Berlin 1987.
10. *M. J. Lavelle, E. Werner, S. Głazek*
“**Nucleon properties with running quark masses**”,
Few Body Systems, Suppl. **2**, 519 (1987).
11. *S. Głazek, M. Schaden*
“**Gluon condensate induced confinement in mesons and baryons**”,
Physics Letters B **198**, 42 (1987).

12. *M. Schaden, S. Glazek, E. Werner*
“Hartree approximation to QCD in the Fock-Schwinger gauge”,
 Physical Review D **36**, 1922 (1987).
13. *S. Glazek, J. M. Namysłowski*
“Nucleon wave function with running quark masses”,
 Acta Physica Polonica B **19**, 569 (1988).
14. *S. Glazek*
“Light front QCD in the vacuum background”,
 Physical Review D **38**, 3277 (1988).
15. *S. Glazek*
“Hamiltonian eigenstates of hadrons in light front QCD including vacuum condensates”,
 in Proceedings of “IX International Seminar on High Energy Physics, Relativistic Nuclear Physics and QCD” (invited lecture), JINR, Dubna, USSR, 1988.
16. *S. Glazek*
“Multiparticle production probing few-body systems”,
 in “Few-Body XII”, ed. B. K. Jennings, TRIUMF, Vancouver, 1989.
17. *E. A. Bartnik, S. Glazek*
“Light front variational approach to scalar field theories”,
 Physical Review D **39**, 1249 (1989).
18. *S. Glazek, M. Sawicki*
“Relativistic bound state form factors in a solvable 1+1 dimensional model including pair creation”,
 Physical Review D **41**, 2563-2566 (1990).
19. *S. Glazek, C. M. Shakin*
“Boost invariant description of nuclear matter”,
 Physical Review C **44**, 1012-1023 (1991).
20. *S. D. Glazek, R. J. Perry*
“Special example of relativistic Hamiltonian field theory”,
 Physical Review D **45**, 3740-3754 (1992).
21. *S. D. Glazek, R. J. Perry*
“Fixed sources in light-front dynamics and Wilson’s model of coupling constant renormalization”,
 Physical Review D **45**, 3734-3739 (1992).
22. *S. D. Glazek, A. Harindranath, S. Pinsky, J. Shigemitsu, K. Wilson*
“On the relativistic bound state problem in the light-front Yukawa model”,
 Physical Review D **47**, 1599-1619 (1993).
23. *S. D. Glazek, K. G. Wilson*
“Renormalization of overlapping transverse divergences in a model light-front Hamiltonian”,
 Physical Review D **47**, 4657-4669 (1993).

24. *S. D. Glazek*
“Relativistic Bound States of Elementary Particles in Light-front Hamiltonian Approach to Quantum Field Theory”,
 Acta Physica Polonica B **24**, 1315-1430 (1993).
25. *S. D. Glazek, K. G. Wilson*
“Renormalization of Hamiltonians”,
 Physical Review D **48**, 5863-5872 (1993).
26. *S. D. Glazek, K. G. Wilson*
“Perturbative Renormalization Group for Hamiltonians”,
 Physical Review D **49**, 4214-4218 (1994).
27. *K. G. Wilson, T. S. Walhout, A. Harindranath, W. M. Zhang, R. J. Perry (OSU), and S. D. Glazek (WU)*
“Nonperturbative QCD: A Weak Coupling Treatment on the Light-front”,
 Physical Review D **49**, 6720-6766 (1994).
28. *M. Brisudová, S. D. Glazek*
“Relativistic scattering and bound-state properties in a special Hamiltonian model”,
 Physical Review D **50**, 971-979 (1994).
29. *S. D. Glazek*
“Similarity renormalization scheme”,
 in “Theory of Hadrons and Light-Front QCD”, Ed. S.D. Glazek,
 World Scientific, Singapore 1995, pp 208-212.
30. *S. D. Glazek*
“Relativistic Nuclear Physics”,
 in “Theory of Hadrons and Light-Front QCD”, Ed. S.D. Glazek,
 World Scientific, Singapore 1995, pp 306-310.
31. *A. B. Bylev, S. D. Glazek, J. Przeszowski*
“Relativistic Hamiltonian dynamics of pions in nucleons”,
 Physical Review C **53** (1996) 3097-3110.
32. *K. G. Wilson, S. D. Glazek*
“Renormalization Group for Hamiltonians”,
 in “Computational Physics”, Proceedings of the Ninth Physics Summer School, The Australian National University, Canberra, Australia, January 1996, Eds. H. J. Gardner and C. M. Savage, World Scientific, Singapore 1996, 197-210.
33. *S. D. Glazek, T. Mastowski*
“Renormalization of Hamiltonians”,
 “Lecture Notes of the First International School on Light-Cone Quantization”, Iowa State University Press, Ames, 1997.
34. *B. D. Jones, R. J. Perry (OSU), and S. D. Glazek (WU)*
“Analytic treatment of positronium spin splittings in light-front QED”,
 Physical Review D **55** (1997) 6561-6583.

35. *S. D. Glazek*
“Renormalization of Hamiltonians”,
in “New non-perturbative methods and quantization on the light cone”, Écoles des Houches 1997, Eds. P. Grange, H.C. Pauli, A. Neveu, S. Pinsky, E. Werner, Les Editions de Physique, Springer-Verlag, 1998, 17-23.
36. *S. D. Glazek, K. G. Wilson*
“Asymptotic Freedom and Bound States in Hamiltonian Dynamics”,
Physical Review D **57**, 3558-3566 (1998).
37. *S. D. Glazek*
“Similarity Renormalization Group Approach to Boost Invariant Hamiltonian Dynamics”,
Acta Physica Polonica B **29**, 1979-2064 (1998).
38. *S. D. Glazek*
“Boost Invariant Running Couplings in Effective Hamiltonians”,
Physical Review D **60**, 105030-42 (1999).
39. *S. D. Glazek*
“Running Couplings in Hamiltonians”,
Acta Physica Polonica B **31**, 909-930 (2000).
40. *S. D. Glazek*
“Asymptotically free running couplings in Hamiltonians”,
in “Light-cone QCD and Non-perturbative Hadron Physics”, Eds. A. W. Schreiber and A. G. Williams, World Scientific, Singapore 2000, 51-57.
41. *S. D. Glazek*
“Renormalization group procedure for effective particles in light-front Hamiltonian dynamics”,
Nuclear Physics B (Proc. Suppl.) **90**, 175-181 (2000).
42. *S. D. Glazek*
“Dynamics of Effective Gluons”,
Physical Review D **63**, 116006-23 (2001).
43. *S. D. Glazek, T. Mastowski*
“Renormalized Poincare algebra for effective particles in quantum field theory”,
Physical Review D **65**, 065011 (2002).
44. *S. D. Glazek*
“Gluon coupling strength in H(QCD)”,
Nuclear Physics B (Proc. Suppl.) **108**, 170 (2002).
45. *S. D. Glazek, M. Więckowski*
“Large-momentum convergence of Hamiltonian bound-state dynamics of effective fermions in quantum field theory”,
Physical Review D **66**, 016001 (2002).

46. *S. D. Glazek*
“Renormalization group and special relativity in the Fock space”,
 Acta Physica Slovaca **52**, 581 (2002).
47. *S. D. Glazek, K. G. Wilson*
“Limit cycles in quantum theories”,
 Physical Review Letters **89**, 230401 (2002).
48. *S. D. Glazek, A. Szczepaniak*
“Special relativity constraints on an effective constituent theory of hybrids”,
 Physical Review D **67**, 034019 (2003).
49. *S. D. Glazek*
“Similarity renormalization group as a theory of effective particles”,
 IFT-33-03, hep-th/0310248, 6 ps., invited talk at Hadrons and Beyond (LC 03), Durham,
 England, 5-9 Aug 2003, in Proceedings, Ed. S. Dalley.
50. *S. D. Glazek, J. Młynik*
“Optimization of perturbative similarity renormalization group for Hamiltonians with asymptotic freedom and bound states”,
 Physical Review D **67**, 045001 (2003).
51. *S. D. Glazek, J. Młynik*
“Accuracy estimate for a relativistic Hamiltonian approach to bound-state problems in theories with asymptotic freedom”,
 Acta Physica Polonica B **35**, 723 (2004).
52. *S. D. Glazek, K. G. Wilson*
“Universality, marginal operators, and limit cycles”,
 Physical Review B **69**, 094304 (2004).
53. *S. D. Glazek, K. G. Wilson*
“Limit Cycles In Quantum Theories: Erratum”,
 Physical Review Letters **92**, 139901 (2004).
54. *S. D. Glazek*
“Harmonic oscillator force between heavy quarks”,
 Physical Review D **69**, 065002 (2004).
55. *S. D. Glazek*
“Limit Cycles in Quantum Mechanics”,
 in *Mathematical Physics of Quantum Mechanics*,
 Lecture Notes in Physics, Vol. 690, 65-78, Springer, 2006.
56. *S. D. Glazek*
“Light-front Hamiltonians for Heavy Quarks and Gluons”,
 Nuclear Physics B (Proc. Suppl.) **161**, 59-68 (2006).
57. *S. D. Glazek, J. Narebski*
“Special Relativity in Decays of Hybrids”,
 Acta Physica Polonica B **37**, 389 (2006).

58. *S. D. Glazek*
“Masses and Boost-Invariant Wave Functions of Heavy Quarkonia from the Light-Front Hamiltonian of QCD”,
 in *Continuous Advances in QCD 2006*, Eds. M. Peloso, M. Shifman (World Scientific, 2007).
59. *S. D. Glazek, J. Młynik*
“Boost-invariant Hamiltonian approach to heavy quarkonia”,
 Physical Review D **74**, 105015 (2006).
60. *S. D. Glazek*
“Limit cycles of effective theories”,
 Physical Review D **75**, 025005 (2007).
61. *S. D. Glazek, R. J. Perry*
“Impact of bound states on similarity renormalization group transformations”,
 Physical Review D **78**, 045011 (2008).
62. *S. D. Glazek*
“Renormalization group and bound states”,
 Acta Physica Polonica B **39**, 3395-3421 (2008).
63. *S. D. Glazek*
“Fine points on Productive Learning”,
 Physics Today **61**, 11-12 (2008).
64. *S. D. Glazek*
“Renormalization group and bound states”,
 Proceedings of Science, LC2008, 004 (2008); <http://pos.sissa.it>.
65. *S. D. Glazek*
“Non-local structure of renormalized Hamiltonian densities on the light-front hyperplane in space-time”,
 Acta Physica Polonica B **41**, 1937-1976 (2010).
66. *S. D. Glazek*
“Momentum and position variables in light-front Hamiltonians and wave functions”,
 Proceedings of Science, LC2010, 003 (2010); <http://pos.sissa.it>.
67. *S. D. Glazek*
“Non-local Interactions in Renormalized Hamiltonians”,
 Acta Physica Polonica B **41**, 2669-2684 (2010).
68. *S. D. Glazek*
“Reinterpretation of gluon condensate in dynamics of hadronic constituents”,
 Acta Physica Polonica B **42**, 1933-2010 (2011).
69. *S. D. Glazek*
“Hypothesis of Quark Binding by Condensation of Gluons in Hadrons”,
 Few Body Systems **52**, 367-373 (2012).

70. *S. D. Glazek, A. P. Trawiński*
“Neutrino oscillations in the formal theory of scattering”,
 Phys. Rev. D **85**, 125001 (2012).
71. *S. D. Glazek*
“Perturbative formulae for relativistic interactions of effective particles”,
 Acta Physica Polonica B **42**, 1843-1862 (2012).
72. *S. D. Glazek*
“Renormalization group procedure for effective particles: elementary example of exact solution with finite mass corrections and no involvement of vacuum”,
 Physical Review D **85**, 125018 (2012).
73. *S. D. Glazek, A. P. Trawiński*
“Neutrino oscillations in the front form of Hamiltonian dynamics”,
 Physical Review D **87**, 025002 (2013).
74. *A. P. Trawiński, S. D. Glazek*
“Neutrino oscillations in Hamiltonian dynamics”,
 Acta Physica Polonica Supp. **6**, 273 (2013).
75. *S. D. Glazek*
“Elementary example of mass mixing dynamics without involvement of the vacuum”,
 Acta Physica Polonica Supp. **6**, 295 (2013).
76. *S. D. Glazek*
“Fermion mass mixing and vacuum triviality in the renormalization group procedure for effective particles”,
 Physical Review D **87**, 125032 (2013).
77. *S. D. Glazek, A. P. Trawiński*
“Model of the AdS/QFT duality”,
 Physical Review D **88**, 105025 (2013) 10 pages.
78. *B.L.G. Bakker, A. Bassetto, S.J. Brodsky, W. Broniowski, S. Dalley, T. Frederico, S.D. Glazek, J.R. Hiller, C.R. Ji, V. Karmanov et al.*
“Light-Front Quantum Chromodynamics: A framework for the analysis of hadron physics”,
 Nucl. Phys. Proc. Suppl. **251-252** (2014) 165-174.
79. *S. D. Glazek*
“Fermion mass mixing in vacuum”,
 Few Body Syst. **55** (2014) 535-544.
80. *A. P. Trawiński, S. D. Glazek*
“Example of a Model for AdS/QFT Duality”,
 Few Body Syst. **55** (2014) 463-469.
81. *S. D. Glazek*
“Calculation of size for bound-state constituents”,
 Physical Review D **90**, 045020 (2014).

82. *C. K. Barsky and S. D. Glazek*
“21 st Century Ergonomic Education: From Little e to Big E”,
 in Proceedings of the 5th International Conference on Applied Human Factors and Ergonomics AHFE 2014, Kraków, Poland 19-23 July 2014, Eds. T. Ahram, W. Karwowski and T. Marek.
83. *A. P. Trawiński, S. D. Glazek, S. J. Brodsky, G. F. de Téra mond, H. G. Dosch*
“Effective confining potentials for QCD”,
 Physical Review D **90**, 074017 (2014).
84. *S. D. Glazek*
“Renormalization group approach to quantum Hamiltonian dynamics”,
 International Journal of Modern Physics A **30**, 1530023 (2015).
85. *S. D. Glazek*
“Proton radius puzzle in Hamiltonian dynamics”,
 Few Body Syst. **56**, 311-317 (2015).
86. *M. Gómez-Rocha, S. D. Glazek*
“Asymptotic freedom in the front-form Hamiltonian for quantum chromodynamics of gluons”,
 Phys. Rev. D **92**, 065005 (2015).
87. *P. Kubiczek, S. D. Glazek*
“Manifestation of proton structure in the initial-state anisotropies in high-energy proton-proton collisions”,
 Lit. J. of Phys. **55**, 155-161 (2015).
88. *S. D. Glazek, M. Gómez-Rocha*
“Asymptotic freedom of gluons in the Fock space”,
 Acta Phys. Polon. B **47**, 225-242 (2016).
89. *S. D. Glazek, P. Kubiczek*
“Proton structure in high-energy high-multiplicity p-p collisions”,
 Few Body Syst. **57**, 425-430 (2016).
90. *M. Gómez-Rocha, S. D. Glazek*
“Asymptotic freedom of gluons in Hamiltonian dynamics”,
 Few Body Syst. **57**, 509-513 (2016).
91. *S. D. Glazek, M. Gómez-Rocha*
“Asymptotically free interactions in the Fock space”,
 AIP Conf.Proc. **1735** (2016) 080005.
92. *S. D. Glazek, A. P. Trawiński*
“Effective particles in quantum field theory”,
 Few Body Syst. **58**, 49 (2017) .
93. *K. Serafin, S. D. Glazek*
“Elementary example of energy and momentum of an extended physical system in special relativity”,
 Am. J. Phys. **85**, 529 (2017).

94. *S. D. Glazek, M. Gómez-Rocha, J. More, K. Serafin*
“Renormalized quark-antiquark Hamiltonian induced by a gluon mass ansatz in heavy-flavor QCD”,
 Phys. Lett. B **773**, 172-178 (2017).
95. *S. J. Brodsky, S. D. Glazek, A. S. Goldhaber, R. W. Brown*
“Ridge Production in High-Multiplicity Hadronic Ultra-Peripheral Proton-Proton Collisions”,
 CERN Proceedings, Vol 1 (2018) PHOTON 2017 Proceedings, in print.
96. *S. M. Dawid, R. Gonsior, J. Kwapisz, K. Serafin, M. Tobolski, S. D. Glazek*
“Renormalization group procedure for potential $-g/r^2$ ”,
 Phys. Lett. B **777**, 260-264 (2018).
97. *K. Serafin, M. Gómez-Rocha, J. More, S. D. Glazek*
“Approximate Hamiltonian for baryons in heavy-flavor QCD”,
 Eur. Phys. J. C **78**, 964 (2018).
98. *S. D. Glazek, S. J. Brodsky, A. S. Goldhaber, R. W. Brown*
“Ridge effect, azimuthal correlations, and other novel features of gluonic string collisions in high energy photon-mediated reactions”,
 Phys. Rev. D **97**, 114021 (2018).
99. *S. D. Glazek*
“Massive Abelian gauge bosons in front-form Hamiltonians”,
 Acta Physica Polonica B **50**, 5 (2019).
100. *S. D. Glazek*
“Gauge boson mass as regulator”,
 PoS **374**, QCD on the light cone: from hadrons to heavy ions - LC2019, Ecole Polytechnique, Palaiseau, France, 16-20 September 2019, arXiv:2001.08274[hep-th].
101. *S. D. Glazek*
“Computation of effective front form Hamiltonians for massive Abelian gauge theory”,
 Phys. Rev. D **101**, 034005 (2020).
102. *S. D. Glazek*
“Autorytet, autonomia i płaca nauczycieli”,
 PAUza Akademicka, Numer 519, str. 3.
103. *S. D. Glazek*
“Fizyka a oświata”,
 Postępy Fizyki **71**, zeszyt 1 (2020) 26-30.
104. *S. D. Glazek*
“Elementary example of exact effective-Hamiltonian computation”,
 Phys. Rev. D **103**, 014021 (2021).
105. *S. D. Glazek*
“Niedoceniana zasada”,
 Postępy Fizyki **74**, zeszyt 4 (2023) 27-30.

106. *K. Serafin, M. Gómez-Rocha, J. More, S.D. Glazek*
“**Dynamics of heavy quarks in the Fock space**”,
Phys. Rev. D **109**, 016017 (2024).
107. *M. Girguś and S. D. Glazek*
“**Spiral cutoff-flow of quantum quartic oscillator**”,
Nucl. Phys. B **1010**, 116776 (2025).