

Mikhail A Braun

List of Publications by Year in descending order

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116
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116
all docs

116
docs citations

116
times ranked

3666
citing authors

#	ARTICLE	IF	CITATIONS
1	The QCD odderon in elastic (anti)proton scattering. European Physical Journal C, 2021, 81, 1.	1.4	0
2	Flow coefficients in O-O, Al-Al, and Cu-Cu collisions at 200 GeV in the fusing color string model. Physical Review C, 2021, 103, .	1.1	0
3	Local one-dimensional reggeon model of the interaction of pomerons and odderons. European Physical Journal C, 2021, 81, 1.	1.4	1
4	The Odderon and BKP States in Quantum Chromodynamics. , 2021, , 239-281.		0
5	Four-pomeron vertex. European Physical Journal C, 2021, 81, 1.	1.4	0
6	Elliptic and triangular flows in dAu collisions at 200 GeV in the fusing color string model. European Physical Journal A, 2020, 56, 1.	1.0	2
7	Triple-pomeron amplitude in the effective action approach. European Physical Journal C, 2020, 80, 1.	1.4	2
8	On the one-dimensional reggeon model: eigenvalues of the Hamiltonian and the propagator. European Physical Journal C, 2019, 79, 1.	1.4	2
9	Gluon emission at small longitudinal momenta in the QCD effective action approach. European Physical Journal C, 2019, 79, 1.	1.4	0
10	Diffractive scattering on the deuteron projectile in the NLO: triple interaction of reggeized gluons. European Physical Journal C, 2018, 78, 1.	1.4	1
11	pt dependence of the flow coefficients for pp collisions in the color string scenario: Monte Carlo simulations. European Physical Journal A, 2018, 54, 1.	1.0	5
12	Pomeron fan diagrams in perturbative QCD. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
13	Diffractive scattering on the deuteron. European Physical Journal C, 2017, 77, 1.	1.4	10
14	The Casimir energy in a dispersive and absorptive medium in the Fano diagonalization approach. Theoretical and Mathematical Physics(Russian Federation), 2017, 190, 237-250.	0.3	4
15	Energy loss as the origin of a universal scaling law of the elliptic flow. European Physical Journal A, 2017, 53, 1.	1.0	8
16	Off-shell gluon production in interaction of a projectile with 2 or 3 targets. European Physical Journal C, 2017, 77, 1.	1.4	13
17	The general configuration-space Faddeev formalism for studying pd scattering. EPJ Web of Conferences, 2016, 113, 03017.	0.1	0
18	An effective two reggeon two reggeon + particle vertex in Lipatov's effective action and regge kinematics. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 959-965.	0.1	1

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19	The inclusive jet production in the BFKL "Bartels approach with a running coupling introduced via bootstrap. European Physical Journal C, 2015, 75, 1.	1.4	9
20	Gluon emission in interaction of two reggeons. European Physical Journal C, 2015, 75, 1.	1.4	6
21	Ridge from strings. European Physical Journal A, 2015, 51, 1.	1.0	32
22	Yu. V. Novozhilov: Creative path. Theoretical and Mathematical Physics(Russian Federation), 2015, 184, 1203-1212.	0.3	0
23	On the Casimir energy of the electromagnetic field in the dispersive and absorptive medium. International Journal of Modern Physics A, 2014, 29, 1450101.	0.5	0
24	Neutron "Deuteron Scattering Observables at E lab = 14.1 MeV. Few-Body Systems, 2014, 55, 1033-1034.	0.7	0
25	On the application of the effective action approach to amplitudes with reggeon splitting. European Physical Journal C, 2014, 74, 1.	1.4	4
26	Double inclusive cross sections for gluon production in collision of two projectiles on two targets in the BFKL approach. European Physical Journal C, 2014, 74, 1.	1.4	0
27	On the collision of two projectiles on two targets in the BFKL approach. European Physical Journal C, 2013, 73, 1.	1.4	8
28	Inclusive cross sections for gluon production in collision of two projectiles on two targets in the BFKL approach. European Physical Journal C, 2013, 73, 1.	1.4	5
29	Casimir energy of the quantum field in a dispersive and absorptive medium. Theoretical and Mathematical Physics(Russian Federation), 2013, 175, 771-778.	0.3	4
30	Scattering amplitude and pomeron loops in perturbative QCD at large Q^2 . overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.5	7
31	Gluon production in the Lipatov effective action formalism. European Physical Journal C, 2013, 73, 1.	1.4	13
32	Anisotropic flows from colour strings: Monte Carlo simulations. Nuclear Physics A, 2013, 906, 14-27.	0.6	41
33	BFKL pomeron in the external field of the nucleus in -dimensional QCD. Nuclear Physics B, 2012, 863, 495-509.	0.9	2
34	Production of a gluon with the exchange of three reggeized gluons in the Lipatov effective action approach. European Physical Journal C, 2012, 72, 1.	1.4	20
35	On the inclusive gluon production in the Lipatov effective action formalism. European Physical Journal C, 2012, 72, 1.	1.4	16
36	BFKL pomeron propagator in the external field of the nucleus. Nuclear Physics B, 2011, 851, 533-550.	0.9	3

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37	Configuration-space Faddeev calculation for proton-deuteron observables at energy $E_{\text{lab}} = 3 \text{ MeV}$. , 2011, , .		0
38	Unitarity of the tree approximation to the Glauber AA amplitude for large A. Physics of Atomic Nuclei, 2011, 74, 199-208.	0.1	0
39	Elliptic flow from colour strings. European Physical Journal C, 2011, 71, 1.	1.4	24
40	Gluon production on two centers and the effective action approach. European Physical Journal C, 2011, 71, 1.	1.4	24
41	QED in dispersive and absorptive media. Theoretical and Mathematical Physics(Russian Federation), 2011, 169, 1413-1422.	0.3	2
42	Configuration-Space Faddeev Calculation for Proton-Deuteron Elastic Scattering Observables. Few-Body Systems, 2011, 50, 267-269.	0.7	1
43	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.	0.5	171
44	Production of two gluons in the Lipatov effective action formalism. European Physical Journal C, 2010, 65, 385-394.	1.4	13
45	First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s} = 900 \text{ GeV}$. European Physical Journal C, 2010, 65, 111-125.	1.4	124
46	Loops in the gluon emission amplitude: reggeization from eikonal scattering. European Physical Journal C, 2010, 66, 147-161.	1.4	1
47	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	1.4	199
48	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	1.4	212
49	Hadron-nucleus scattering in the local reggeon model with pomeron loops for realistic nuclei. European Physical Journal C, 2010, 69, 75-83.	1.4	4
50	BKP states in the inclusive gluon production. European Physical Journal C, 2010, 70, 73-90.	1.4	2
51	Jet energy loss due to multiple scattering in the nucleus. Nuclear Physics A, 2010, 836, 293-310.	0.6	0
52	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s} = 900 \text{ GeV}$ with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 53-68.		
53	Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	2.9	67
54	Two-pion Bose-Einstein correlations in proton-proton collisions at $\sqrt{s} = 900 \text{ GeV}$. Physical Review D, 2010, 82, .	1.6	61

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55	PT symmetry and Hermitian Hamiltonian in the local supercritical pomeron model. European Physical Journal C, 2009, 59, 795-808.	1.4	5
56	Pomeron loops in the perturbative QCD with large N_c . European Physical Journal C, 2009, 63, 287-296.	1.4	12
57	Nucleus-nucleus cross-sections and long-range correlations with a local supercritical pomeron. Nuclear Physics A, 2008, 806, 230-244.	0.6	5
58	Boundary conditions in the QCD nucleus-nucleus scattering problem. Nuclear Physics A, 2008, 799, 151-166.	0.6	17
59	Odderon with a running coupling constant. European Physical Journal C, 2008, 53, 59-63.	1.4	3
60	Single and double inclusive cross sections for nucleus-nucleus collisions in the perturbative QCD. European Physical Journal C, 2008, 55, 377-386.	1.4	11
61	Loops in the reggeon model for hA scattering. European Physical Journal C, 2008, 58, 383-394.	1.4	7
62	Glauber shadowing in jet and particle production in nucleus-nucleus collisions within perturbative QCD. Physics of Atomic Nuclei, 2008, 71, 1988-1993.	0.1	0
63	Long-range correlations in hadron-nucleus collisions. Physical Review C, 2007, 75, .	1.1	25
64	A study of neutron-deuteron scattering in configuration space. Nuclear Physics A, 2007, 790, 699c-702c.	0.6	0
65	Two-jet inclusive cross-sections in heavy-ion collisions in the perturbative QCD. Nuclear Physics A, 2007, 784, 407-425.	0.6	0
66	On the $dT=0$ toy model in reggeon field theory. European Physical Journal C, 2007, 50, 857-869.	1.4	19
67	The reggeon ² reggeons+particle vertex in the Lipatov effective action formalism. European Physical Journal C, 2007, 51, 103-111.	1.4	24
68	Pomeron with a running coupling constant in the nucleus. European Physical Journal C, 2007, 51, 625-632.	1.4	3
69	Rapidity and centrality dependence in the percolating color strings scenario. Nuclear Physics A, 2006, 778, 217-232.	0.6	0
70	On the inclusive gluon jet production from the triple pomeron vertex in the perturbative QCD. European Physical Journal C, 2006, 48, 501-510.	1.4	24
71	Conformally invariant pomeron interaction in perturbative QCD with large N_c . European Physical Journal C, 2006, 48, 511-522.	1.4	11
72	Initial condition for evolution of the perturbative QCD Pomeron in a nucleus. Theoretical and Mathematical Physics(Russian Federation), 2006, 148, 923-927.	0.3	2

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73	ALICE: Physics Performance Report, Volume II. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1295-2040.	1.4	441
74	Jet production in pA and AA collisions in the perturbative QCD pomeron model. European Physical Journal C, 2005, 39, 451-464.	1.4	6
75	On inclusive gluon jet production off the nucleus in perturbative QCD. European Physical Journal C, 2005, 42, 169-181.	1.4	13
76	Correlations between multiplicities and average transverse momentum in the percolating color strings approach. European Physical Journal C, 2004, 32, 535-546.	1.4	79
77	Nucleus-nucleus interaction in the perturbative QCD. European Physical Journal C, 2004, 33, 113-122.	1.4	63
78	The process $\gamma^* + p \rightarrow \eta_c + X$: a test for the perturbative QCD odderon. European Physical Journal C, 2004, 33, 511-521.	1.4	13
79	Quark Coalescence Mechanism near the Threshold. Theoretical and Mathematical Physics (Russian) Tj ETQq1 1 0.784314 rgBT/Overlock	0.3	12
80	Percolation of strings and the relativistic energy data on multiplicity and transverse momentum distributions. Physical Review C, 2002, 65, .	1.1	80
81	Correlations between η_c and jet multiplicities from the Balitskiĭ-Fadin-Kuraev-Lipatov chain. Physical Review D, 2002, 65, .	1.6	0
82	The bootstrap for impact factors and the gluon wave function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 477, 156-162.	1.5	26
83	Transverse-momentum dependence of cumulative pions. Physics of Atomic Nuclei, 2000, 63, 1831-1834.	0.1	8
84	Cross sections and asymmetries for elastic ^3He scattering in the energy region around the \hat{p} resonance. Physics of Atomic Nuclei, 2000, 63, 795-800.	0.1	0
85	Transverse Momentum Distributions and Their Forward-Backward Correlations in the Percolating Color String Approach. Physical Review Letters, 2000, 85, 4864-4867.	2.9	77
86	FUSION OF STRINGS VS. PERCOLATION AND THE TRANSITION TO THE QUARK-GLUON PLASMA. International Journal of Modern Physics A, 1999, 14, 2689-2704.	0.5	46
87	The bootstrap and the 2nd order corrections for the interaction of two reggeized gluons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 454, 319-327.	1.5	21
88	The n -jet inclusive cross-section in the Hard Pomeron model. European Physical Journal C, 1998, 4, 685-692.	1.4	4
89	THE SYSTEM OF FOUR REGGEIZED GLUONS AND THE THREE-POMERON VERTEX IN THE HIGH COLOUR LIMIT. , 1998, , .		0
90	ON THE ODDERON INTERCEPT IN QCD. , 1998, , .		0

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91	Jet production from the perturbative QCD pomeron with a running coupling constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 137-148.	1.5	0
92	The EMC effect at low x in perturbative QCD. Zeitschrift für Physik C-Particles and Fields, 1997, 76, 81-90.	1.5	4
93	On the Nikolaev-Zakharov-Zoller form for the BFKL pomeron. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 103-106.	1.5	0
94	Properties of the hard pomeron with a running coupling constant and the high-energy scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 823-831.	1.5	4
95	Percolation Approach to Quark-Gluon Plasma and J/ψ Suppression. Physical Review Letters, 1996, 77, 3736-3738.	2.9	146
96	Scaling behaviour and correlations in the string fusion model for heavy ion collisions. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 489-493.	1.5	5
97	Monte Carlo model for multiparticle production at ultrarelativistic energies. Physical Review C, 1995, 52, 362-373.	1.1	6
98	Inelastic diffractive production and string fusion in hadron-nucleus collisions. Physical Review C, 1995, 51, 3393-3403.	1.1	2
99	Long and Short Range Correlations: A Signature of String Fusion. Physical Review Letters, 1994, 73, 2813-2816.	2.9	88
100	String fusion and particle production at high energies: Monte-Carlo string fusion model. Zeitschrift für Physik C-Particles and Fields, 1994, 63, 507-516.	1.5	54
101	On the decay width of multiply measured unstable state. Foundations of Physics Letters, 1993, 6, 481-490.	0.6	1
102	On interference of cumulative proton production mechanisms. Journal of Physics G: Nuclear and Particle Physics, 1993, 19, 517-529.	1.4	9
103	Separation of the contributions originating from short- and long-range nuclear phenomena for cumulative proton production. Journal of Physics G: Nuclear and Particle Physics, 1993, 19, 531-543.	1.4	3
104	On the description of multiple measurements of an unstable state. Foundations of Physics, 1992, 22, 617-630.	0.6	6
105	Particle production at high energies in the Cardy pomeron model. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 643-652.	1.5	0
106	Production of fast fragments in high-energy hadron collisions with nuclei. Journal of Physics G: Nuclear and Particle Physics, 1990, 16, 1615-1626.	1.4	6
107	Relationship between a quasipotential equation and a Schrödinger equation. Theoretical and Mathematical Physics(Russian Federation), 1987, 72, 958-964.	0.3	9
108	Energy level shifts and transition probabilities in a relativistic atom. Theoretical and Mathematical Physics(Russian Federation), 1984, 59, 573-581.	0.3	3

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109	Relativistic adiabatic perturbation theory for degenerate levels. Theoretical and Mathematical Physics(Russian Federation), 1980, 45, 975-982.	0.3	8
110	On renormalization and the τ operation for quantum electrodynamics in an external field. Theoretical and Mathematical Physics(Russian Federation), 1978, 34, 98-105.	0.3	0
111	Perturbation theory for level shifts and transition probabilities in a relativistic two-electron system. Theoretical and Mathematical Physics(Russian Federation), 1978, 34, 36-42.	0.3	0
112	N-Reggeon vertex for generalized Veneziano models. Theoretical and Mathematical Physics(Russian Federation), 1978, 34, 98-105.	0.3	0
113	Multichannel interaction of particles with identical quantum numbers and conditions for particles to be composite. Theoretical and Mathematical Physics(Russian Federation), 1972, 11, 333-341.	0.3	0
114	Renormalization for a relativistic Fermi system in an external field. Theoretical and Mathematical Physics(Russian Federation), 1972, 12, 652-656.	0.3	2
115	On the S matrix for a field theory with Lagrangians that depend on derivatives. Theoretical and Mathematical Physics(Russian Federation), 1971, 6, 229-235.	0.3	1
116	Composite and elementary particles with the same quantum numbers in quantum field theory. Theoretical and Mathematical Physics(Russian Federation), 1971, 8, 654-662.	0.3	1