

# Yuri V Kovchegov

## List of Publications by Year in descending order

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83  
papers

6,095  
citations

126907

33  
h-index

88630

70  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2332  
citing authors



#	ARTICLE	IF	CITATIONS
19	How classical gluon fields generate odd azimuthal harmonics for the two-gluon correlation function in high-energy collisions. Physical Review D, 2018, 97, .	4.7	29
20	Helicity evolution at small $x$ : Flavor singlet and nonsinglet observables. Physical Review D, 2017, 95, .	4.7	49
21	Small- $x$ Asymptotics of the Quark Helicity Distribution. Physical Review Letters, 2017, 118, 052001.	7.8	47
22	Small- $x$ asymptotics of the quark helicity distribution: Analytic results. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 136-140.	4.1	42
23	Small- $x$ asymptotics of the gluon helicity distribution. Journal of High Energy Physics, 2017, 2017, 1.	4.7	46
24	Calculating TMDs of a large nucleus: Quasi-classical approximation and quantum evolution. Nuclear Physics B, 2016, 903, 164-203.	2.5	30
25	Helicity evolution at small $x$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	61
26	Helicity evolution at small $x$ . , 2016, 2016, 1.		2
27	Regularization of the light-cone gauge gluon propagator singularities using sub-gauge conditions. Journal of High Energy Physics, 2015, 2015, 1-26.	4.7	4
28	Recent Developments at Small- $x$ . International Journal of Modern Physics Conference Series, 2015, 37, 1560054.	0.7	1
29	Classical gluon production amplitude for nucleus-nucleus collisions: First saturation correction in the projectile. Journal of High Energy Physics, 2015, 2015, 1.	4.7	14
30	Sivers function in the quasichlassical approximation. Physical Review D, 2014, 89, .	4.7	18
31	Two-gluon correlations in heavy-light ion collisions: Energy and geometry dependence, IR divergences, and $k_T$ dependence. Nuclear Physics A, 2014, 925, 254-295.	1.5	40
32	$\hat{\sigma}_3$ * $\hat{\sigma}_3$ * cross section at NLO and properties of the BFKL evolution at higher orders. Journal of High Energy Physics, 2014, 2014, 1.	4.7	19
33	LONG-RANGE RAPIDITY CORRELATIONS IN HEAVY-LIGHT ION COLLISIONS. International Journal of Modern Physics Conference Series, 2014, 25, 1460023.	0.7	2
34	$\hat{\sigma}_3$ * $\hat{\sigma}_3$ * cross section at NLO and properties of the BFKL evolution at higher orders. , 2014, 2014, 1.		1
35	Solution of the NLO BFKL equation and a strategy for solving the all-order BFKL equation. Journal of High Energy Physics, 2013, 2013, 1.	4.7	25
36	Long-range rapidity correlations in heavy-light ion collisions. Nuclear Physics A, 2013, 906, 50-83.	1.5	99

#	ARTICLE	IF	CITATIONS
37	Running coupling evolution for diffractive dissociation and the NLO odderon intercept. AIP Conference Proceedings, 2013, , .	0.4	6
38	Single-spin asymmetries in semi-inclusive deep inelastic scattering and Drell-Yan processes. Physical Review D, 2013, 88, .	4.7	27
39	New mechanism for generating a single transverse spin asymmetry. Physical Review D, 2012, 86, .	4.7	53
40	SINGLE SPIN ASYMMETRY IN HIGH ENERGY QCD. International Journal of Modern Physics Conference Series, 2012, 20, 177-186.	0.7	1
41	Long-range rapidity correlations in heavy ion collisions at strong coupling from AdS/CFT. Journal of High Energy Physics, 2011, 2011, 1.	4.7	5
42	Heavy ion collisions in AdS5. Nuclear Physics A, 2011, 855, 237-240.	1.5	0
43	Running coupling corrections to high energy inclusive gluon production. Nuclear Physics A, 2011, 849, 72-97.	1.5	29
44	Shock Wave Collisions and Thermalization in AdS <sub>5</sub> . Progress of Theoretical Physics Supplement, 2011, 187, 96-105.	0.1	8
45	Toward thermalization in heavy ion collisions at strong coupling. Journal of High Energy Physics, 2010, 2010, 1.	4.7	39
46	Comparing AdS/CFT calculations to HERA $F_2$ data. Physical Review D, 2009, 80, .	4.7	25
47	DIS in AdS. , 2009, , .		9
48	Subleading- corrections in non-linear small-x evolution. Nuclear Physics A, 2009, 823, 47-82.	1.5	84
49	Early Time Dynamics in Heavy Ion Collisions from CGC and from AdS/CFT. Nuclear Physics A, 2009, 830, 395c-402c.	1.5	12
50	Collinear singularities and running coupling corrections to gluon production in CGC. Nuclear Physics A, 2008, 807, 158-189.	1.5	24
51	Solving the high energy evolution equation including running coupling corrections. Physical Review D, 2007, 75, .	4.7	160
52	Baryon stopping in proton-nucleus collisions. Nuclear Physics A, 2007, 781, 122-149.	1.5	12
53	Quark loop contribution to BFKL evolution: Running coupling and leading- NLO intercept. Nuclear Physics A, 2007, 789, 260-284.	1.5	82
54	Triumvirate of running couplings in small-x evolution. Nuclear Physics A, 2007, 784, 188-226.	1.5	283

#	ARTICLE	IF	CITATIONS
55	Baryon Stopping in pA Collisions. Nuclear Physics A, 2007, 783, 573-576.	1.5	0
56	Parton Saturation and the Color Glass Condensate. Nuclear Physics A, 2007, 785, 68-75.	1.5	0
57	Production of $q\bar{q}$ pairs in proton-nucleus collisions at high energies. Physical Review D, 2006, 74, .	4.7	41
58	Thoughts on non-perturbative thermalization and jet quenching in heavy ion collisions. Nuclear Physics A, 2006, 764, 476-497.	1.5	13
59	Can thermalization in heavy ion collisions be described by QCD diagrams?. Nuclear Physics A, 2005, 762, 298-325.	1.5	37
60	Cronin effect and high-pT suppression in p(d)A collisions. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S979-S982.	3.6	7
61	Inclusive two-gluon and valence-quark-gluon production in DIS and pA collisions. Physical Review D, 2004, 70, .	4.7	130
62	Saturation Physics in Heavy Ion Collisions. AIP Conference Proceedings, 2004, , .	0.4	0
63	Baryon stopping and valence quark distribution at small x. Nuclear Physics A, 2004, 730, 160-190.	1.5	57
64	Perturbative odderon in the dipole model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 586, 267-281.	4.1	83
65	Nuclear modification factor in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	4.1	183
66	SATURATION PHYSICS MEETS RHIC DATA. , 2004, , .		0
67	Elliptic flow from parton saturation. Nuclear Physics A, 2003, 715, 891c-894c.	1.5	1
68	Correlation functions and cumulants in elliptic flow analysis. Nuclear Physics A, 2003, 717, 249-267.	1.5	17
69	Cronin effect and high-pT suppression in pA collisions. Physical Review D, 2003, 68, .	4.7	293
70	Inclusive gluon production in deep inelastic scattering at high parton density. Physical Review D, 2002, 65, .	4.7	228
71	Instantons in the saturation environment. Nuclear Physics A, 2002, 699, 745-769.	1.5	23
72	Elliptic flow from minijet production in heavy ion collisions. Nuclear Physics A, 2002, 708, 413-434.	1.5	53

#	ARTICLE	IF	CITATIONS
73	HIGH ENERGY QCD AND THE LARGE $N_C$ LIMIT. , 2002, , .		0
74	QCD at high parton density. AIP Conference Proceedings, 2001, , .	0.4	0
75	QCD instantons and the soft pomeron. Nuclear Physics A, 2001, 690, 621-646.	1.5	62
76	Classical initial conditions for ultrarelativistic heavy ion collisions. Nuclear Physics A, 2001, 692, 557-582.	1.5	93
77	Unitarization of the BFKL Pomeron on a nucleus. Physical Review D, 2000, 61, .	4.7	618
78	Diffraction structure function in a quasiclassical approximation. Physical Review D, 1999, 60, .	4.7	78
79	Small- $x$ structure function of a nucleus including multiple Pomeron exchanges. Physical Review D, 1999, 60, .	4.7	1,112
80	Gluon production in current-nucleus and nucleon-nucleus collisions in a quasi-classical approximation. Nuclear Physics B, 1998, 529, 451-479.	2.5	327
81	Classical gluon radiation in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 1997, 56, 1084-1094.	2.9	147
82	Quantum structure of the non-Abelian Weizsäcker-Williams field for a very large nucleus. Physical Review D, 1997, 55, 5445-5455.	4.7	182
83	Non-Abelian Weizsäcker-Williams field and a two-dimensional effective color charge density for a very large nucleus. Physical Review D, 1996, 54, 5463-5469.	4.7	349