

S Bondarenko

List of Publications by Year in descending order

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78
papers

2,230
citations

394421

19
h-index

223800

46
g-index

81
all docs

81
docs citations

81
times ranked

5036
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroweak effects in polarized muon-electron scattering. Physical Review D, 2022, 105, .	4.7	5
2	CPTM symmetry, closed time paths and cosmological constant problem in the formalism of extended manifold. European Physical Journal C, 2021, 81, 1.	3.9	3
3	Electroweak Effects in $e+e^{\rightarrow}\hat{t}^{\rightarrow}ZH$ Process. Symmetry, 2021, 13, 1256.	2.2	4
4	High energy scattering in Einsteinâ€™Cartan gravity. European Physical Journal C, 2021, 81, 1.	3.9	2
5	Unifying approaches: derivation of Balitsky hierarchy from the Lipatov effective action. European Physical Journal C, 2021, 81, 1.	3.9	5
6	Trinucleon form factors with relativistic multirank separable kernels. Nuclear Physics A, 2021, 1014, 122251.	1.5	1
7	Relativistic rank-one separable kernel for helium-3 charge form factor. Nuclear Physics A, 2020, 1004, 122065.	1.5	2
8	Asymmetries in Processes of Electronâ€™Positron Annihilation. Symmetry, 2020, 12, 1132.	2.2	4
9	One-loop electroweak radiative corrections to lepton pair production in polarized electron-positron collisions. Physical Review D, 2020, 102, .	4.7	8
10	High energy QCD Lipatovâ€™s effective action in Euclidean space. European Physical Journal C, 2020, 80, 1.	3.9	2
11	On The Contribution of the P and D Partial-Wave States to the Binding Energy of the Triton in the Bethe-Salpeter-Faddeev Approach. Physics of Atomic Nuclei, 2019, 82, 44-49.	0.4	3
12	NNLO classical solution for Lipatovâ€™s effective action for reggeized gluons. International Journal of Modern Physics A, 2019, 34, 1950111.	1.5	0
13	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
14	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108
15	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
16	Effective Action and Classical Solutions. Physics of Particles and Nuclei Letters, 2019, 16, 433-435.	0.4	1
17	One-loop electroweak radiative corrections to polarized $e+e^{\rightarrow}\hat{t}^{\rightarrow}ZH$ Process. Physical Review D, 2019, 100, .	4.7	8
18	Sensitivity of elastic electron scattering off the ^3He to the nucleon form factors. EPJ Web of Conferences, 2019, 204, 05009.	0.3	2

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19	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
20	Negative mass scenario and Schwarzschild spacetime in general relativity. Modern Physics Letters A, 2019, 34, 1950084.	1.2	12
21	Relativistic two-body interaction current in the elastic eD scattering. Physics of Particles and Nuclei Letters, 2018, 15, 49-56.	0.4	1
22	On correlators of Reggeon fields and operators of Wilson lines in high energy QCD. International Journal of Modern Physics A, 2018, 33, 1850204.	1.5	7
23	The Rank-One Separable Interaction Kernel for Nucleons with Scalar Propagator. Physics of Particles and Nuclei Letters, 2018, 15, 417-421.	0.4	3
24	On the Relativistic Separable Functions for the Breakup Reactions. EPJ Web of Conferences, 2018, 173, 02005.	0.3	0
25	The dimensionally reduced description of the high energy scattering and the effective action for the reggeized gluons. European Physical Journal C, 2018, 78, 1.	3.9	9
26	One-loop electroweak radiative corrections to polarized Bhabha scattering. Physical Review D, 2018, 98, .	4.7	15
27	Precision studies of observables in $pp \rightarrow W \rightarrow l \bar{\nu}_l$ and $pp \rightarrow \gamma, Z \rightarrow l^+ l^-$ processes at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	48
28	SANC: the process $\hat{p} \hat{p} \rightarrow \hat{p}$. Physics of Particles and Nuclei Letters, 2017, 14, 811-816.	0.4	3
29	Effective action for reggeized gluons, classical gluon field of relativistic color charge and color glass condensate approach. European Physical Journal C, 2017, 77, 1.	3.9	20
30	One-loop light-cone QCD, effective action for reggeized gluons and QCD RFT calculus. European Physical Journal C, 2017, 77, 1.	3.9	19
31	On the relativistic 3D partial-wave contribution to the bound three-nucleon system. EPJ Web of Conferences, 2017, 138, 06003.	0.3	3
32	Relativistic Three-Nucleon Calculations within the Bethe-Salpeter Approach. EPJ Web of Conferences, 2016, 108, 02015.	0.3	3
33	Computer system SANC: its development and applications. Journal of Physics: Conference Series, 2016, 762, 012062.	0.4	3
34	Update of the MCSANC Monte Carlo integrator, v. 1.20. JETP Letters, 2016, 103, 131-136.	1.4	23
35	Transport properties of a charged hot spot in an external electromagnetic field. Nuclear Physics A, 2016, 950, 129-162.	1.5	1
36	Nucleon form factors for elastic electron-deuteron scattering at high momentum transfer. JETP Letters, 2014, 99, 613-618.	1.4	12

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37	SANC system and its applications for LHC. Journal of Physics: Conference Series, 2014, 523, 012043.	0.4	3
38	NLO EW and QCD proton-proton cross section calculations with mcsanc-v1.01. Computer Physics Communications, 2013, 184, 2343-2350.	7.5	45
39	Relativistic complex separable potential of the neutron-proton system. Nuclear Physics, Section B, Proceedings Supplements, 2013, 245, 291-297.	0.4	1
40	Elastic electron-deuteron scattering with modified dipole fit. Nuclear Physics, Section B, Proceedings Supplements, 2013, 245, 65-68.	0.4	12
41	Standard SANC modules for NLO QCD radiative corrections to single top-quark production. Physics of Particles and Nuclei Letters, 2012, 9, 472-483.	0.4	3
42	SANC integrator in the progress: QCD and EW contributions. JETP Letters, 2012, 96, 285-289.	1.4	32
43	Final state interaction effects in electrodisintegration of the deuteron in the Bethe-Salpeter approach. JETP Letters, 2012, 94, 738-743.	1.4	6
44	Relativistic complex separable potential for describing the neutron-proton system in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	0.4	1
45	Relativistic complex separable potential of the neutron-proton system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 264-268.	4.1	11
46	Electroweak radiative corrections to single top production. European Physical Journal C, 2011, 71, 1.	3.9	12
47	Covariant Relativistic Separable Kernel Approach for Electrodisintegration of the Deuteron at High Momentum Transfer. Few-Body Systems, 2011, 49, 121-128.	1.5	20
48	Gluon density and functions from BK equation with local impact parameter dependence in DIS on nuclei. Nuclear Physics A, 2011, 853, 71-96.	1.5	2
49	NLO QCD corrections to Drell-Yan processes in the SANC framework. Physics of Atomic Nuclei, 2010, 73, 1761-1769.	0.4	10
50	SANCnews: Top decays in QCD and EW sectors. Physics of Particles and Nuclei Letters, 2010, 7, 72-79.	0.4	5
51	Standard SANC modules. Computer Physics Communications, 2010, 181, 305-312.	7.5	30
52	Covariant separable interaction for the neutron-proton system in $\hat{\alpha}$ partial-wave state. Nuclear Physics A, 2010, 848, 75-91.	1.5	6
53	Relativistic multirank interaction kernels of the neutron-proton system. Nuclear Physics A, 2010, 832, 233-248.	1.5	13
54	Gluon density and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" } \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle F \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ functions from BK equation with impact parameter dependence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 665, 72-78.	4.1	12

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55	Boundary conditions in the QCD nucleus-nucleus scattering problem. Nuclear Physics A, 2008, 799, 151-166.	1.5	17
56	BFKL ansatz for BK equation in conformal basis. Nuclear Physics A, 2008, 800, 63-84.	1.5	4
57	Electroweak radiative corrections to the three channels of the process $f_1 f_2 \rightarrow \gamma^* \rightarrow \gamma \gamma$. European Physical Journal C, 2008, 54, 187-197.	3.9	3
58	One-loop corrections to the Drell-Yan process in SANC. European Physical Journal C, 2008, 54, 451-460.	3.9	76
59	One-rank interaction kernel of the two-nucleon system for medium and high energies. JETP Letters, 2008, 87, 653-658.	1.4	4
60	Solving effective field theory of interacting QCD pomerons in the semiclassical approximation. Physical Review D, 2007, 75, .	4.7	23
61	SANCnews: Sector. Computer Physics Communications, 2007, 177, 738-756.	7.5	13
62	Langevin equation in effective theory of interacting QCD pomerons in the limit of large. Nuclear Physics A, 2007, 792, 264-287.	1.5	14
63	The relativistic impulse approximation for the exclusive electrodisintegration of the deuteron. Physics of Atomic Nuclei, 2007, 70, 2054-2065.	0.4	3
64	Implementation of NLO QCD corrections into the framework of computer system SANC. Physics of Particles and Nuclei Letters, 2007, 4, 451-460.	0.4	9
65	Exploiting the equivalence of reggeon field theory in zero transverse dimensions and reaction-diffusion processes. European Physical Journal C, 2007, 50, 593-601.	3.9	24
66	SANCnews: Sector 4f, charged current. European Physical Journal C, 2007, 51, 585-591.	3.9	10
67	Electroweak radiative corrections to the three channels of the process $f_1 f_2 \rightarrow \gamma^* \rightarrow \gamma \gamma$. European Physical Journal C, 2007, 52, 83-92.	3.9	7
68	SANCscope v.1.00. Computer Physics Communications, 2006, 174, 481-517.	7.5	72
69	One-loop corrections to the Drell-Yan process in SANC: the charged current case. European Physical Journal C, 2006, 46, 407-412.	3.9	76
70	Exclusive Higgs boson production at the CERN LHC: Hard rescattering corrections. Physical Review D, 2006, 73, .	4.7	31
71	One-loop corrections to the Drell-Yan process in SANC: the charged current case. , 2006, 46, 407.		2
72	SANC press release. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 576-577.	1.6	4

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73	Separable kernel of nucleon-nucleon interaction in the Bethe-Salpeter approach for $J = 0, 1$. Nuclear Physics A, 2003, 721, C413-C416.	1.5	2
74	Dispersion representation for the nucleon-nucleon Tmatrix in the Bethe-Salpeter approach. Physical Review C, 2002, 65, .	2.9	4
75	Bethe-Salpeter approach with the separable interaction for the deuteron. Progress in Particle and Nuclear Physics, 2002, 48, 449-535.	14.4	42
76	A pomeron approach to hadron-nucleus and nucleus-nucleus soft interaction at high energy. Nuclear Physics A, 2001, 683, 649-691.	1.5	28
77	Sensitivity of polarization observables in elastic ed scattering to the neutron form factors. Physics of Atomic Nuclei, 2000, 63, 774-781.	0.4	6
78	Bethe-Salpeter amplitudes and static properties of the deuteron. Physical Review C, 1996, 54, 986-1005.	2.9	28