

# Andrey Kotov

## List of Publications by Year in descending order

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34  
papers

618  
citations

687363

13  
h-index

580821

25  
g-index

35  
all docs

35  
docs citations

35  
times ranked

332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-color QCD with non-zero chiral chemical potential. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
2	Temperature dependence of shear viscosity of SU(3)-gluodynamics within lattice simulation. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
3	Study of the QCD phase diagram with a nonzero chiral chemical potential. Physical Review D, 2016, 93, .	4.7	51
4	Study of the phase diagram of dense two-color QCD within lattice simulation. Physical Review D, 2016, 94, .	4.7	47
5	Catalysis of dynamical chiral symmetry breaking by chiral chemical potential. Physical Review D, 2016, 93, .	4.7	44
6	Electromagnetic superconductivity of vacuum induced by strong magnetic field: Numerical evidence in lattice gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 667-671.	4.1	41
7	Temperature dependence of the bulk viscosity within lattice simulation of $SU(3)$ gluodynamics. Physical Review D, 2017, 95, 054004.	4.7	34
8	Lattice study of the electromagnetic conductivity of the quark-gluon plasma in an external magnetic field. Physical Review D, 2020, 102, .	4.7	33
9	Influence of relativistic rotation on the confinement-deconfinement transition in gluodynamics. Physical Review D, 2021, 103, .	4.7	29
10	Lattice study of static quark-antiquark interactions in dense quark matter. Journal of High Energy Physics, 2019, 2019, 1.	4.7	23
11	Lattice study of thermodynamic properties of dense $SU(3)$ gluodynamics. Physical Review D, 2020, 102, .	4.7	19
12	QCD transition at the physical point, and its scaling window from twisted mass Wilson fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136749.	4.1	19
13	Monte Carlo study of Dirac semimetals phase diagram. Physical Review B, 2016, 94, .	3.2	15
14	Study of shear viscosity of SU(2)-gluodynamics within lattice simulation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
15	Fate of the $\hat{\mu}$ in the quark gluon plasma. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 794, 83-88.	4.1	13
16	Finite-density QCD transition in a magnetic background field. Physical Review D, 2019, 100, .	4.7	13
17	Catalysis of dynamical chiral symmetry breaking by chiral chemical potential in Dirac semimetals. Physical Review B, 2019, 100, .	3.2	12
18	Study of the Confinement/Deconfinement Phase Transition in Rotating Lattice SU(3) Gluodynamics. JETP Letters, 2020, 112, 6-12.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Sphaleron Transition Rate in Lattice Gluodynamics. JETP Letters, 2018, 108, 352-355.	1.4	9
20	Lattice study of QCD at finite chiral density: topology and confinement. European Physical Journal A, 2021, 57, 1.	2.5	8
21	Lattice Simulation Study of the Properties of Cold Quark Matter with a Nonzero Isospin Density. JETP Letters, 2019, 110, 1-4.	1.4	7
22	More on the flavor dependence of $m_{\pm}/f\pi$ . Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
23	Finite temperature QCD with $N_f=2+1+1$ Wilson twisted mass fermions at physical pion, strange and charm masses. European Physical Journal A, 2020, 56, 1.	2.5	6
24	Gluon Propagators in QC2D at High Baryon Density. Particles, 2020, 3, 308-319.	1.7	5
25	Calculation of the viscosity of SU(2) gluodynamics with the lattice simulation. JETP Letters, 2013, 98, 127-129.	1.4	4
26	Lattice simulation study of SU(2) QCD with a nonzero baryon density. JETP Letters, 2015, 101, 732-734.	1.4	4
27	Gliding Down the QCD Transition Line, from $N_f = 2$ till the Onset of Conformality. Symmetry, 2021, 13, 1833.	2.2	4
28	Study of the phase diagram of SU(2) quantum chromodynamics with nonzero chirality. JETP Letters, 2015, 100, 547-549.	1.4	3
29	Two-color QCD with chiral chemical potential. AIP Conference Proceedings, 2016, , .	0.4	3
30	Lattice Study of QCD Properties under Extreme Conditions: Temperature, Density, Rotation, and Magnetic Field. Physics of Particles and Nuclei, 2021, 52, 536-541.	0.7	3
31	Correlations of Abelian monopoles in quark-gluon plasma. Physical Review D, 2012, 86, .	4.7	2
32	Shear viscosity in SU(2) lattice gluodynamics. Journal of Physics: Conference Series, 2015, 607, 012019.	0.4	0
33	Lattice simulation of two-color QCD with $N_f=2$ at non-zero baryon density. Journal of Physics: Conference Series, 2016, 668, 012120.	0.4	0
34	Phase Diagram of Quantum Chromodynamics in the Temperature–Baryon Density–Magnetic Field Parameter Space. Physics of Atomic Nuclei, 2020, 83, 1656-1659.	0.4	0