

# Jacquelyn Noronha-Hostler

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

2,570  
citations

136950

32  
h-index

189892

50  
g-index

100  
all docs

100  
docs citations

100  
times ranked

3613  
citing authors

#	ARTICLE	IF	CITATIONS
1	The BEST framework for the search for the QCD critical point and the chiral magnetic effect. Nuclear Physics A, 2022, 1017, 122343.	1.5	51
2	Extreme matter meets extreme gravity: Ultraheavy neutron stars with phase transitions. Physical Review D, 2022, 105, .	4.7	36
3	Shear viscosity at finite baryon densities. EPJ Web of Conferences, 2022, 259, 13006.	0.3	0
4	Thermal-model-based characterization of heavy-ion-collision systems at chemical freeze-out. EPJ Web of Conferences, 2022, 259, 11010.	0.3	1
5	Off-of-equilibrium effects on Kurtosis Along Strangeness-Neutral Trajectories. EPJ Web of Conferences, 2022, 259, 10001.	0.3	1
6	Impact of multiplicity fluctuations on entropy scaling across system size. Physical Review C, 2022, 105, .	2.9	2
7	Building a testable shear viscosity across the QCD phase diagram. Physical Review C, 2022, 105, .	2.9	5
8	Monte Carlo event generator for initial conditions of conserved charges in nuclear geometry. Physical Review C, 2022, 105, .	2.9	6
9	Finding Structure in the Speed of Sound of Supranuclear Matter from Binary Love Relations. Physical Review Letters, 2022, 128, 161101.	7.8	27
10	Causality violations in realistic simulations of heavy-ion collisions. Physical Review C, 2022, 105, .	2.9	16
11	Ultracentral Collisions of Small and Deformed Systems at RHIC. Nuclear Physics A, 2021, 1005, 121839.	1.5	4
12	Chemical freeze-out parameters of net-kaons in heavy-ion collisions. Nuclear Physics A, 2021, 1005, 121865.	1.5	1
13	Projecting the likely importance of weak-interaction-driven bulk viscosity in neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1096-1108.	4.4	34
14	Skewness of mean transverse momentum fluctuations in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	11
15	Correlation between mean transverse momentum and anisotropic flow in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	21
16	Baseline predictions of elliptic flow and fluctuations for the RHIC Beam Energy Scan using response coefficients. Physical Review C, 2021, 103, .	2.9	13
17	Quartic cumulant of baryon number in the presence of a QCD critical point. Physical Review C, 2021, 103, .	2.9	23
18	Strangeness-neutral equation of state for QCD with a critical point. European Physical Journal Plus, 2021, 136, 1.	2.6	19

#	ARTICLE	IF	CITATIONS
19	Hot and dense quark-gluon plasma thermodynamics from holographic black holes. Physical Review D, 2021, 104, .	4.7	36
20	Jet Quenching in Relativistic Heavy-Ion Collisions. , 2021, , .		0
21	Importance of Multiplicity Fluctuations in Entropy Scaling. , 2021, , .		0
22	Future physics perspectives on the equation of state from heavy ion collisions to neutron stars. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 073001.	3.6	31
23	collisions at energies availab	2.9	13
24	Far-from-equilibrium search for the QCD critical point. Physical Review D, 2020, 102, .	4.7	38
25	modular simulation code of heavy flavor mesons	2.9	25
26	and the ultracentral	2.9	16
27	meson	2.9	14
28	Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	22
29	Off-diagonal correlators of conserved charges from lattice QCD and how to relate them to experiment. Physical Review D, 2020, 101, .	4.7	42
30	QCD equation of state matched to lattice data and exhibiting a critical point singularity. Physical Review C, 2020, 101, .	2.9	71
31	Correlations in the Initial Conditions of Heavy-Ion Collisions. EPJ Web of Conferences, 2020, 235, 08002.	0.3	1
32	Far From Equilibrium Hydrodynamics and the Beam Energy Scan. Journal of Physics: Conference Series, 2020, 1602, 012017.	0.4	5
33	Neutron Star Equation of State in Light of GW190814. Physical Review Letters, 2020, 125, 261104.	7.8	86
34	Cross-Correlators of Conserved Charges in QCD. Springer Proceedings in Physics, 2020, , 191-196.	0.2	0
35	Determination of Chemical Freeze-Out Parameters from Net-Kaon Fluctuations at RHIC. Springer Proceedings in Physics, 2020, , 367-371.	0.2	1
36	D Meson Sensitivity to a System Size Scan at LHC. Springer Proceedings in Physics, 2020, , 91-95.	0.2	0

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37	Heavy flavor dynamics across system size at the LHC. Journal of Physics: Conference Series, 2020, 1602, 012019.	0.4	0
38	CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. Physical Review C, 2019, 100, .	2.9	44
39	Confronting hydrodynamic predictions with Xe-Xe data. Nuclear Physics A, 2019, 982, 371-374.	1.5	5
40	Probing the transverse size of initial inhomogeneities with flow observables. Nuclear Physics A, 2019, 982, 419-422.	1.5	1
41	Analysis of Kaon fluctuations from the beam energy scan at RHIC. Nuclear Physics A, 2019, 982, 799-802.	1.5	1
42	Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	38
43	Lattice-based equation of state at finite baryon number, electric charge, and strangeness chemical potentials. Physical Review C, 2019, 100, .	2.9	32
44	Extracting the strangeness freeze-out temperature from net-Kaon data at RHIC. , 2019, , .		1
45	Heavy flavour dynamics in event-by-event viscous hydrodynamic backgrounds. , 2019, , .		0
46	Sensitivity of D meson azimuthal anisotropies to system size and nuclear structure. , 2019, , .		0
47	Phenomenology of Strange Resonances. , 2018, , 61-76.		0
48	Hadron thermodynamics from imaginary chemical potentials. EPJ Web of Conferences, 2018, 175, 07046.	0.3	0
49	Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. Physical Review C, 2018, 97, .	2.9	77
50	Freeze-out properties from net-Kaon fluctuations at RHIC. Journal of Physics: Conference Series, 2018, 1070, 012003.	0.4	1
51	Effect of the QCD equation of state and strange hadronic resonances on multiparticle correlations in heavy ion collisions. Physical Review C, 2018, 98, .	2.9	62
52	Sensitivity of observables to coarse-graining size in heavy-ion collisions. Physical Review C, 2018, 97, .	2.9	28
53	Hydrodynamic predictions for mixed harmonic correlations in 200 GeV Au+Au collisions. Physical Review C, 2017, 95, .	2.9	30
54	Skewness of elliptic flow fluctuations. Physical Review C, 2017, 95, .	2.9	43

#	ARTICLE	IF	CITATIONS
55	Constraining the hadronic spectrum through QCD thermodynamics on the lattice. Physical Review D, 2017, 96, .	4.7	77
56	Cumulants and nonlinear response of high $p_T$ harmonic flow at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2017, 95, .	2.9	32
57	Relative flow fluctuations as a probe of initial state fluctuations. Physical Review C, 2017, 95, .	2.9	61
58	Dynamical versus equilibrium properties of the QCD phase transition: A holographic perspective. Physical Review D, 2017, 96, .	4.7	66
59	Heavy flavor $R_{AA}$ and $v_n$ in event-by-event viscous relativistic hydrodynamics. Journal of Physics: Conference Series, 2017, 779, 012035.	0.4	1
60	Critical point in the phase diagram of primordial quark-gluon matter from black hole physics. Physical Review D, 2017, 96, .	4.7	87
61	Mixed Harmonic Correlations: Hydrodynamic Predictions at RHIC using Experimental Analysis Techniques. Nuclear Physics A, 2017, 967, 389-392.	1.5	0
62	Event-by-event $v_n$ correlations of soft hadrons and heavy mesons in heavy ion collisions. Nuclear Physics A, 2017, 967, 664-667.	1.5	2
63	Jet modifications in event-by-event hydrodynamically evolving media. Nuclear Physics A, 2017, 967, 161-168.	1.5	0
64	Event-by-event correlations between soft hadrons and $D^0$ mesons in 5.02 TeV PbPb collisions at the CERN Large Hadron Collider. Physical Review C, 2017, 96, .	2.9	16
65	Resolving the $R_{AA}$ to $v_n$ puzzle. Nuclear and Particle Physics Proceedings, 2017, 289-290, 65-70.	0.5	1
66	Heavy meson flow harmonics in event-by-event viscous relativistic hydrodynamics. Nuclear and Particle Physics Proceedings, 2017, 289-290, 221-224.	0.5	1
67	Hydrodynamic Overview at Hot Quarks 2016. Journal of Physics: Conference Series, 2017, 832, 012046.	0.4	0
68	Strangeness at finite temperature from Lattice QCD. Journal of Physics: Conference Series, 2017, 779, 012050.	0.4	2
69	The fluctuations of quadrangular flow. Journal of Physics: Conference Series, 2017, 779, 012064.	0.4	4
70	Solving the $R_{AA}$ $\langle b^2 \rangle$ puzzle. Journal of Physics: Conference Series, 2016, 736, 012019.	0.4	0
71	Heavy flavor electron $R_{AA}$ and $\tilde{\Gamma}$ in event-by-event relativistic hydrodynamics. Journal of Physics: Conference Series, 2016, 706, 052005.	0.4	0
72	The unreasonable effectiveness of hydrodynamics in heavy ion collisions. Nuclear Physics A, 2016, 956, 890-893.	1.5	7

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73	Symmetric cumulants and event-plane correlations in Pb + Pb collisions. Physical Review C, 2016, 94, .	2.9	48
74	Linear and cubic response to the initial eccentricity in heavy-ion collisions. Physical Review C, 2016, 93, .	2.9	79
75	Sensitivity of flow harmonics to subnucleon scale fluctuations in heavy ion collisions. Physical Review C, 2016, 93, .	2.9	49
76	Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. Physical Review C, 2016, 93, .	2.9	44
77	Event-by-Event Hydrodynamics + Jet Loss: A Solution to the $R_{AA}$ puzzle. Physical Review Letters, 2016, 116, 252301.	7.8	78
78	Suppression of Baryon Diffusion and Transport in a Baryon Rich Strongly Coupled Quark-Gluon Plasma. Physical Review Letters, 2015, 115, 202301.	7.8	59
79	Effects of viscosity on the mapping of initial to final state in heavy ion collisions. Physical Review C, 2015, 91, .	2.9	62
80	Elliptic-flow suppression due to hadron mass spectrum. Physical Review C, 2014, 89, .	2.9	11
81	Bulk viscosity-driven suppression of shear viscosity effects on the flow harmonics at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2014, 90, .	2.9	93
82	Understanding the $p/\epsilon$ ratio at LHC due to QCD mass spectrum. Nuclear Physics A, 2014, 931, 1108-1113.	1.5	28
83	Bulk viscosity effects in event-by-event relativistic hydrodynamics. Physical Review C, 2013, 88, .	2.9	137
84	v-USPhydro: Bulk Viscosity Effects on Event-by-Event Relativistic Hydrodynamics. Journal of Physics: Conference Series, 2013, 458, 012018.	0.4	4
85	Hadron mass spectrum and the shear viscosity to entropy density ratio of hot hadronic matter. Physical Review C, 2012, 86, .	2.9	84
86	Hagedorn states and thermalization. Physics of Particles and Nuclei Letters, 2011, 8, 831-837.	0.4	0
87	Fast chemical equilibration of hadrons in an expanding fireball. Indian Journal of Physics, 2011, 85, 819-824.	1.8	0
88	Hagedorn States and Thermalization. , 2011, , .		1
89	Thermalization through Hagedorn states: the importance of multiparticle collisions. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094017.	3.6	8
90	Dynamics of chemical equilibrium of hadronic matter close to $T_c$ . Physical Review C, 2010, 81, .	2.9	33

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91	Particle ratios as a probe of the QCD critical temperature. <i>Physical Review C</i> , 2010, 82, .	2.9	21
92	Particle ratios and the QCD critical temperature. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010, 37, 094062.	3.6	6
93	Transport Coefficients of Hadronic Matter Near $T_c$ . <i>Physical Review Letters</i> , 2009, 103, 172302.	7.8	207
94	Chemical Equilibration and Transport Properties of Hadronic Matter near $T_c$ . <i>Nuclear Physics A</i> , 2009, 830, 745c-748c.	1.5	4
95	Chemical equilibration of baryons in an expanding fireball. <i>European Physical Journal: Special Topics</i> , 2008, 155, 61-66.	2.6	6
96	Fast Equilibration of Hadrons in an Expanding Fireball. <i>Physical Review Letters</i> , 2008, 100, 252301.	7.8	50