

# Jacquelyn Noronha-Hostler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8726786/publications.pdf>

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	Transport Coefficients of Hadronic Matter Near $T_c$ . Physical Review Letters, 2009, 103, 172302.	7.8	207
2	Bulk viscosity effects in event-by-event relativistic hydrodynamics. Physical Review C, 2013, 88, .	2.9	137
3	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
4	Critical point in the phase diagram of primordial quark-gluon matter from black hole physics. Physical Review D, 2017, 96, .	4.7	87
5	Neutron Star Equation of State in Light of GW190814. Physical Review Letters, 2020, 125, 261104.	7.8	86
6	Hadron mass spectrum and the shear viscosity to entropy density ratio of hot hadronic matter. Physical Review C, 2012, 86, .	2.9	84
7	Linear and cubic response to the initial eccentricity in heavy-ion collisions. Physical Review C, 2016, 93, .	2.9	79
8	Event-by-Event Hydrodynamics+Jet Loss: A Solution to the $R_{AA}$ stretchy="false">âŠ— $v$ . Physical Review Letters, 2016, 116, 252301.	7.8	78
9	Constraining the hadronic spectrum through QCD thermodynamics on the lattice. Physical Review D, 2017, 96, .	4.7	77
10	Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. Physical Review C, 2018, 97, .	2.9	77
11	QCD equation of state matched to lattice data and exhibiting a critical point singularity. Physical Review C, 2020, 101, .	2.9	71
12	Dynamical versus equilibrium properties of the QCD phase transition: A holographic perspective. Physical Review D, 2017, 96, .	4.7	66
13	Effects of viscosity on the mapping of initial to final state in heavy ion collisions. Physical Review C, 2015, 91, .	2.9	62
14	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
15	Relative flow fluctuations as a probe of initial state fluctuations. Physical Review C, 2017, 95, .	2.9	61
16	Suppression of Baryon Diffusion and Transport in a Baryon Rich Strongly Coupled Quark-Gluon Plasma. Physical Review Letters, 2015, 115, 202301.	7.8	59
17	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
18	Fast Equilibration of Hadrons in an Expanding Fireball. Physical Review Letters, 2008, 100, 252301.	7.8	50

#	ARTICLE	IF	CITATIONS
19	Sensitivity of flow harmonics to subnucleon scale fluctuations in heavy ion collisions. Physical Review C, 2016, 93, .	2.9	49
20	Symmetric cumulants and event-plane correlations in Pb + Pb collisions. Physical Review C, 2016, 94, .	2.9	48
21	Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. Physical Review C, 2016, 93, .	2.9	44
22	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
23	Skewness of elliptic flow fluctuations. Physical Review C, 2017, 95, .	2.9	43
24	Off-diagonal correlators of conserved charges from lattice QCD and how to relate them to experiment. Physical Review D, 2020, 101, .	4.7	42
25	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
26	Far-from-equilibrium search for the QCD critical point. Physical Review D, 2020, 102, .	4.7	38
27	Event-by-event correlations between soft hadrons and mesons in 5.02 TeV PbPb collisions at the CERN Large Hadron Collider. Physical Review C, 2017, 96, .	2.9	36
28	Hot and dense quark-gluon plasma thermodynamics from holographic black holes. Physical Review D, 2021, 104, .	4.7	36
29	Extreme matter meets extreme gravity: Ultraheavy neutron stars with phase transitions. Physical Review D, 2022, 105, .	4.7	36
30	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
31	Dynamics of chemical equilibrium of hadronic matter close to $T_c$ . Physical Review C, 2010, 81, .	2.9	33
32	Cumulants and nonlinear response of high harmonic flow at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2017, 95, .	2.9	32
33	Lattice-based equation of state at finite baryon number, electric charge, and strangeness chemical potentials. Physical Review C, 2019, 100, .	2.9	32
34	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
35	Hydrodynamic predictions for mixed harmonic correlations in 200 GeV Au+Au collisions. Physical Review C, 2017, 95, .	2.9	30
36	Understanding the $p/\epsilon$ ratio at LHC due to QCD mass spectrum. Nuclear Physics A, 2014, 931, 1108-1113.	1.5	28

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37	Sensitivity of observables to coarse-graining size in heavy-ion collisions. Physical Review C, 2018, 97, .	2.9	28
38	Finding Structure in the Speed of Sound of Supranuclear Matter from Binary Love Relations. Physical Review Letters, 2022, 128, 161101.	7.8	27
39	Sensitivity study with a $\chi^2$ fit to the $D$ and $B$ mesons modular simulation code of heavy flavor $R_{AA}$ and azimuthal anisotropies based on beam energy, initial conditions, hadronization, and sup. Physical Review C, 2021, 103, .	2.9	25
40	Quartic cumulant of baryon number in the presence of a QCD critical point. Physical Review C, 2021, 103, .	2.9	23
41	Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	22
42	Particle ratios as a probe of the QCD critical temperature. Physical Review C, 2010, 82, .	2.9	21
43	Correlation between mean transverse momentum and anisotropic flow in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	21
44	Strangeness-neutral equation of state for QCD with a critical point. European Physical Journal Plus, 2021, 136, 1.	2.6	19
45	Role deformation of $Pb$ and the ultracentral $v_2$ to $v_4$ in heavy-ion collisions. Physical Review C, 2022, 105, .	2.9	16
46	Causality violations in realistic simulations of heavy-ion collisions. Physical Review C, 2022, 105, .	2.9	16
47	System-size scan of $D$ meson $R_{AA}$ and $v_2$ in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	14
48	Baseline predictions of elliptic flow and fluctuations for the RHIC Beam Energy Scan using response coefficients. Physical Review C, 2021, 103, .	2.9	13
49	Elliptic-flow suppression due to hadron mass spectrum. Physical Review C, 2014, 89, .	2.9	13
50	Elliptic-flow suppression due to hadron mass spectrum. Physical Review C, 2014, 89, .	2.9	11
51	Skewness of mean transverse momentum fluctuations in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	11
52	Thermalization through Hagedorn states: the importance of multiparticle collisions. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094017.	3.6	8
53	The unreasonable effectiveness of hydrodynamics in heavy ion collisions. Nuclear Physics A, 2016, 956, 890-893.	1.5	7
54	Chemical equilibration of baryons in an expanding fireball. European Physical Journal: Special Topics, 2008, 155, 61-66.	2.6	6

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55	Particle ratios and the QCD critical temperature. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094062.	3.6	6
56	Monte Carlo event generator for initial conditions of conserved charges in nuclear geometry. Physical Review C, 2022, 105, .	2.9	6
57	Confronting hydrodynamic predictions with Xe-Xe data. Nuclear Physics A, 2019, 982, 371-374.	1.5	5
58	Far From Equilibrium Hydrodynamics and the Beam Energy Scan. Journal of Physics: Conference Series, 2020, 1602, 012017.	0.4	5
59	Building a testable shear viscosity across the QCD phase diagram. Physical Review C, 2022, 105, .	2.9	5
60	Chemical Equilibration and Transport Properties of Hadronic Matter near $T_c$ . Nuclear Physics A, 2009, 830, 745c-748c.	1.5	4
61	$v$ -USPhydro: Bulk Viscosity Effects on Event-by-Event Relativistic Hydrodynamics. Journal of Physics: Conference Series, 2013, 458, 012018.	0.4	4
62	The fluctuations of quadrangular flow. Journal of Physics: Conference Series, 2017, 779, 012064.	0.4	4
63	Ultracentral Collisions of Small and Deformed Systems at RHIC. Nuclear Physics A, 2021, 1005, 121839.	1.5	4
64	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
65	Strangeness at finite temperature from Lattice QCD. Journal of Physics: Conference Series, 2017, 779, 012050.	0.4	2
66	Impact of multiplicity fluctuations on entropy scaling across system size. Physical Review C, 2022, 105, .	2.9	2
67	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
68	Resolving the $R_{AA}$ to $v_n$ puzzle. Nuclear and Particle Physics Proceedings, 2017, 289-290, 65-70.	0.5	1
69	Heavy meson flow harmonics in event-by-event viscous relativistic hydrodynamics. Nuclear and Particle Physics Proceedings, 2017, 289-290, 221-224.	0.5	1
70	Freeze-out properties from net-Kaon fluctuations at RHIC. Journal of Physics: Conference Series, 2018, 1070, 012003.	0.4	1
71	Probing the transverse size of initial inhomogeneities with flow observables. Nuclear Physics A, 2019, 982, 419-422.	1.5	1
72	Analysis of Kaon fluctuations from the beam energy scan at RHIC. Nuclear Physics A, 2019, 982, 799-802.	1.5	1

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73	Chemical freeze-out parameters of net-kaons in heavy-ion collisions. Nuclear Physics A, 2021, 1005, 121865.	1.5	1
74	Correlations in the Initial Conditions of Heavy-Ion Collisions. EPJ Web of Conferences, 2020, 235, 08002.	0.3	1
75	Hagedorn States and Thermalization. , 2011, , .		1
76	Extracting the strangeness freeze-out temperature from net-Kaon data at RHIC. , 2019, , .		1
77	Determination of Chemical Freeze-Out Parameters from Net-Kaon Fluctuations at RHIC. Springer Proceedings in Physics, 2020, , 367-371.	0.2	1
78	Thermal-model-based characterization of heavy-ion-collision systems at chemical freeze-out. EPJ Web of Conferences, 2022, 259, 11010.	0.3	1
79	Off-of-equilibrium effects on Kurtosis Along Strangeness-Neutral Trajectories. EPJ Web of Conferences, 2022, 259, 10001.	0.3	1
80	Hagedorn states and thermalization. Physics of Particles and Nuclei Letters, 2011, 8, 831-837.	0.4	0
81	Fast chemical equilibration of hadrons in an expanding fireball. Indian Journal of Physics, 2011, 85, 819-824.	1.8	0
82	Solving the $R_{AA} \langle i \rangle \langle b \rangle \hat{S} - \dots$ puzzle. Journal of Physics: Conference Series, 2016, 736, 012019.	0.4	0
83	Heavy flavor electron $R_{AA}$ and $\dots$ in event-by-event relativistic hydrodynamics. Journal of Physics: Conference Series, 2016, 706, 052005.	0.4	0
84	Mixed Harmonic Correlations: Hydrodynamic Predictions at RHIC using Experimental Analysis Techniques. Nuclear Physics A, 2017, 967, 389-392.	1.5	0
85	Jet modifications in event-by-event hydrodynamically evolving media. Nuclear Physics A, 2017, 967, 161-168.	1.5	0
86	Hydrodynamic Overview at Hot Quarks 2016. Journal of Physics: Conference Series, 2017, 832, 012046.	0.4	0
87	Phenomenology of Strange Resonances. , 2018, , 61-76.		0
88	Hadron thermodynamics from imaginary chemical potentials. EPJ Web of Conferences, 2018, 175, 07046.	0.3	0
89	Jet Quenching in Relativistic Heavy-Ion Collisions. , 2021, , .		0
90	Importance of Multiplicity Fluctuations in Entropy Scaling. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
91	Heavy flavour dynamics in event-by-event viscous hydrodynamic backgrounds. , 2019, , .		0
92	Sensitivity of D meson azimuthal anisotropies to system size and nuclear structure. , 2019, , .		0
93	Cross-Correlators of Conserved Charges in QCD. Springer Proceedings in Physics, 2020, , 191-196.	0.2	0
94	D Meson Sensitivity to a System Size Scan at LHC. Springer Proceedings in Physics, 2020, , 91-95.	0.2	0
95	Heavy flavor dynamics across system size at the LHC. Journal of Physics: Conference Series, 2020, 1602, 012019.	0.4	0
96	Shear viscosity at finite baryon densities. EPJ Web of Conferences, 2022, 259, 13006.	0.3	0