

# Sean Gavin

## List of Publications by Year in descending order

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57  
papers

1,682  
citations

361413  
20  
h-index

276875  
41  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring the Rate of Isotropization of Quark-Gluon Plasma Using Rapidity Correlations. Nuclear Physics A, 2019, 982, 311-314.	1.5	2
2	Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. Physical Review C, 2017, 95, .	2.9	7
3	Rapidity Correlation Structures from Causal Hydrodynamics. Journal of Physics: Conference Series, 2016, 736, 012020.	0.4	5
4	Rapidity correlation structure in nuclear collisions. Physical Review C, 2016, 94, .	2.9	13
5	Fluctuating Hydrodynamics Confronts the Rapidity Dependence of Transverse Momentum Fluctuations. Journal of Physics: Conference Series, 2013, 446, 012029.	0.4	1
6	Rapidity Dependence of Transverse Momentum Correlations from Fluctuating Hydrodynamics. Journal of Physics: Conference Series, 2013, 458, 012005.	0.4	0
7	Probing early-time correlations in heavy ion collisions. Journal of Physics: Conference Series, 2013, 426, 012028.	0.4	0
8	Fluctuation probes of early-time correlations in nuclear collisions. Physical Review C, 2012, 85, .	2.9	33
9	Fluctuation and flow probes of early-time correlations in relativistic heavy ion collisions. Journal of Physics: Conference Series, 2012, 389, 012038.	0.4	1
10	Flow fluctuations from early-time correlations in nuclear collisions. Physical Review C, 2012, 86, .	2.9	14
11	Long range correlations and hydrodynamic expansion. Nuclear Physics A, 2011, 854, 106-112.	1.5	0
12	Longitudinal dependence of two-particle momentum correlations from the hydrodynamic flow model NEXSPHERIO. Physical Review C, 2011, 84, .	2.9	8
13	Effects of momentum conservation and flow on angular correlations observed in experiments at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2011, 84, .	2.9	98
14	The relationship between the soft and hard ridges. Journal of Physics: Conference Series, 2010, 230, 012029.	0.4	0
15	Soft contribution to the hard ridge in relativistic nuclear collisions. Nuclear Physics A, 2010, 836, 43-58.	1.5	21
16	Long range correlations and the soft ridge in relativistic nuclear collisions. Physical Review C, 2009, 79, .	2.9	127
17	Two Ridges, One Explanation. Nuclear Physics A, 2009, 830, 623c-624c.	1.5	1
18	Long range untriggered two particle correlations. European Physical Journal C, 2009, 62, 277-280.	3.9	6

#	ARTICLE	IF	CITATIONS
19	Transverse radial flow effects on two- and three-particle angular correlations. Nuclear Physics A, 2008, 802, 107-121.	1.5	45
20	Viscosity and the soft ridge at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104084.	3.6	14
21	Measuring viscosity at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S835-S838.	3.6	1
22	Measuring shear viscosity using correlations. Brazilian Journal of Physics, 2007, 37, 1023-1030.	1.4	6
23	Status and promise of particle interferometry in heavy-ion collisions. Brazilian Journal of Physics, 2007, 37, xxxi-xxxiv.	1.4	1
24	Probing Quark Gluon Liquid Using Transverse Momentum Fluctuations. Nuclear Physics A, 2006, 774, 623-626.	1.5	4
25	Diffusion and Two-Particle Correlations. Acta Physica Hungarica A Heavy Ion Physics, 2006, 25, 515-524.	0.4	3
26	Measuring the Shear Viscosity at RHIC. AIP Conference Proceedings, 2006, , .	0.4	0
27	Measuring Shear Viscosity Using Transverse Momentum Correlations in Relativistic Nuclear Collisions. Physical Review Letters, 2006, 97, 162302.	7.8	125
28	Fluctuations from Thermalization at RHIC. Acta Physica Hungarica A Heavy Ion Physics, 2005, 24, 65-70.	0.4	1
29	Causal diffusion at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S77-S84.	3.6	3
30	JETS AND FLOW EFFECTS ON TRANSVERSE MOMENTUM FLUCTUATIONS. International Journal of Modern Physics A, 2005, 20, 3786-3788.	1.5	2
31	Strange fluctuations at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S271-S275.	3.6	0
32	Traces of thermalization at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S1385-S1388.	3.6	10
33	Traces of Thermalization from prompt Fluctuations in Nuclear Collisions. Physical Review Letters, 2004, 92, 162301.	7.8	52
34	Proton Fluctuations. Acta Physica Hungarica A Heavy Ion Physics, 2004, 21, 267-272.	0.4	1
35	Causal diffusion and the survival of charge fluctuations in nuclear collisions. Physical Review C, 2004, 70, .	2.9	63
36	Kaon and pion fluctuations from small disoriented chiral condensates. Physical Review C, 2002, 65, .	2.9	20

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37	Baryon Fluctuations from the QCD Phase Transition. Acta Physica Hungarica A Heavy Ion Physics, 2002, 15, 269-277.	0.4	8
38	Baryon fluctuations and the QCD phase transition. Physical Review C, 2001, 64, .	2.9	43
39	Covariance of antiproton yield and source size in nuclear collisions. Physical Review C, 2000, 61, .	2.9	8
40	Survival Probabilities of Disoriented Chiral Domains in Relativistic Heavy Ion Collisions. , 1998, , 43-53.		0
41	Charmonium Suppression by Comover Scattering in Pb+Pb Collisions. Physical Review Letters, 1997, 78, 1006-1009.	7.8	84
42	and $\bar{\psi}\psi$ suppression by comovers in Pb+Pb collisions. Nuclear Physics A, 1996, 610, 442-451.	1.5	41
43	Lepton production from charm decay in nuclear collisions at $\sqrt{s}=200$ GeV and 5.5 TeV per nucleon. Physical Review C, 1996, 54, 2606-2623.	2.9	53
44	Disoriented chiral condensates. Nuclear Physics A, 1995, 590, 163-177.	1.5	34
45	QCD and the chiral critical point. Physical Review D, 1994, 49, R3079-R3082.	4.7	72
46	How to make large domains of disoriented chiral condensate. Physical Review Letters, 1994, 72, 2143-2146.	7.8	117
47	Larger domains of disoriented chiral condensate through annealing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 329, 486-492.	4.1	111
48	Evidence of high densities from suppression. Nuclear Physics A, 1994, 566, 383-386.	1.5	15
49	Energy loss at large $x_F$ in nuclear collisions. Physical Review Letters, 1992, 68, 1834-1837.	7.8	103
50	Pions in and out of equilibrium. Nuclear Physics A, 1992, 544, 459-462.	1.5	3
51	Partial thermalization in ultrarelativistic heavy-ion collisions. Nuclear Physics B, 1991, 351, 561-578.	2.5	41
52	Antiproton suppression in heavy ion collisions. Nuclear Physics A, 1991, 527, 637-640.	1.5	0
53	Baryonometry in heavy ion collisions. Nuclear Physics A, 1991, 525, 459-462.	1.5	0
54	$\bar{\psi}\psi$ suppression: catching up with the comovers. Nuclear Physics A, 1991, 525, 693-696.	1.5	3

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55	Pion interferometric tests of transport models. Nuclear Physics B, 1990, 329, 357-375.	2.5	46
56	Initial and final state interactions in $J/\psi$ production. Nuclear Physics A, 1989, 498, 477-481.	1.5	1
57	Transport coefficients in ultra-relativistic heavy-ion collisions. Nuclear Physics A, 1985, 435, 826-843.	1.5	211