

# Rajan Gupta

## List of Publications by Year in descending order

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38  
papers

3,944  
citations

201674

27  
h-index

330143

37  
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39  
all docs

39  
docs citations

39  
times ranked

2372  
citing authors



#	ARTICLE	IF	CITATIONS
19	Axial-vector form factors of the nucleon from lattice QCD. Physical Review D, 2017, 96, .	4.7	80
20	Lattice QCD calculations of transverse momentum-dependent parton distributions (TMDs). EPJ Web of Conferences, 2016, 112, 01008.	0.3	1
21	Controlling excited-state contamination in nucleon matrix elements. Physical Review D, 2016, 93, .	4.7	36
22	Axial, scalar, and tensor charges of the nucleon from $\langle \bar{\psi} \gamma_5 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ Lattice QCD. Physical Review D, 2016, 94, .	4.7	104
23	Isovector and isoscalar tensor charges of the nucleon from lattice QCD. Physical Review D, 2015, 92, .	4.7	86
24	Dimension-5 $C \langle \bar{\psi} \gamma_5 \psi \rangle + P \langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle$ -odd operators: QCD mixing and renormalization. Physical Review D, 2015, 92, .	4.7	27
25	Neutron Electric Dipole Moment and Tensor Charges from Lattice QCD. Physical Review Letters, 2015, 115, 212002.	7.8	103
26	CO2 as a fracturing fluid: Potential for commercial-scale shale gas production and CO2 sequestration. Energy Procedia, 2014, 63, 7780-7784.	1.8	128
27	Equation of state in $T_j \text{ETQq1 } 1 \text{ } 0.784314 \text{ rgBT /Overlock } 10 \text{ Tf } 50$ QCD. Physical Review D, 2014, 90, .	4.7	694
28	QCD Phase Transition with Chiral Quarks and Physical Quark Masses. Physical Review Letters, 2014, 113, 082001.	7.8	286
29	Nucleon charges and electromagnetic form factors from $\langle \bar{\psi} \gamma_5 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ Lattice QCD. Physical Review D, 2014, 89, .	4.7	95
30	Chiral transition and $U \langle \bar{\psi} \gamma_5 \psi \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (stretchy="fa lattice QCD using domain wall fermions. Physical Review D, 2012, 86, .	4.7	211
31	Fluctuations and correlations of net baryon number, electric charge, and strangeness: A comparison of lattice QCD results with the hadron resonance gas model. Physical Review D, 2012, 86, .	4.7	211
32	Chiral and deconfinement aspects of the QCD transition. Physical Review D, 2012, 85, .	4.7	752
33	Probing novel scalar and tensor interactions from (ultra)cold neutrons to the LHC. Physical Review D, 2012, 85, .	4.7	188
34	Equation of State from Lattice QCD Calculations. Nuclear Physics A, 2011, 862-863, 111-117.	1.5	0
35	Equation of state and QCD transition at finite temperature. Physical Review D, 2009, 80, .	4.7	424
36	Scaling behavior of discretization errors in renormalization and improvement constants. Physical Review D, 2006, 73, .	4.7	8

#	ARTICLE	IF	CITATIONS
37	Improved bilinears in lattice QCD with nondegenerate quarks. Physical Review D, 2006, 73, .	4.7	57
38	General physics motivations for numerical simulations of quantum field theory. Parallel Computing, 1999, 25, 1199-1215.	2.1	10