

# Mrinal Dasgupta

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

1,436  
citations

20  
h-index

37  
g-index

39  
ext. papers

1,618  
ext. citations

5.2  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
36	Towards an understanding of jet substructure. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	242
35	Accounting for coherence in interjet flow. <i>Journal of High Energy Physics</i> , <b>2002</b> , 2002, 017-017	5.4	113
34	Non-perturbative QCD effects in jets at hadron colliders. <i>Journal of High Energy Physics</i> , <b>2008</b> , 2008, 055-055	5.4	110
33	Event shapes in $e^+e^-$ annihilation and deep inelastic scattering. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2004</b> , 30, R143-R181	2.9	91
32	Jet substructure with analytical methods. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	83
31	Small-radius jets to all orders in QCD. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	79
30	On jet mass distributions in Z+jet and dijet processes at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	66
29	Resummed event-shape variables in DIS. <i>Journal of High Energy Physics</i> , <b>2002</b> , 2002, 032-032	5.4	65
28	Non-global logarithms and jet algorithms in high- $p_T$ jet shapes. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	59
27	On QCD resummation with kt clustering. <i>Journal of High Energy Physics</i> , <b>2006</b> , 2006, 044-044	5.4	53
26	Inclusive jet spectrum for small-radius jets. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	52
25	Logarithmic accuracy of parton showers: a fixed-order study. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	45
24	Predictions for Drell-Yan. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 715, 152-156	4.2	42
23	Dijet rates with symmetric cuts. <i>Journal of High Energy Physics</i> , <b>2004</b> , 2004, 027-027	5.4	42
22	Resummation of thrust distributions in DIS. <i>Journal of High Energy Physics</i> , <b>2000</b> , 2000, 001-001	5.4	35
21	Parton Showers beyond Leading Logarithmic Accuracy. <i>Physical Review Letters</i> , <b>2020</b> , 125, 052002	7.4	34
20	On jet substructure methods for signal jets. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	34

19	QCD predictions for new variables to study dilepton transverse momenta at hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 75-81	4.2	33
18	Universality of $1/Q$ corrections revisited. <i>Journal of High Energy Physics</i> , <b>1999</b> , 1999, 025-025	5.4	22
17	Improved jet substructure methods: Y-splitter and variants with grooming. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
16	Angular ordering and parton showers for non-global QCD observables. <i>Journal of High Energy Physics</i> , <b>2007</b> , 2007, 050-050	5.4	20
15	Two-loop enhancement factor for $1/Q$ corrections to event shapes in deep inelastic scattering. <i>Journal of High Energy Physics</i> , <b>1998</b> , 1998, 001-001	5.4	19
14	The $\theta$ -distribution of the Z boson at hadron colliders. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 022-022	5.4	15
13	Probing the low transverse momentum domain of Z production with novel variables. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	14
12	On the universality of hadronisation corrections to QCD jets. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 004-004	5.4	8
11	Power corrections to fragmentation functions in non-singlet deep inelastic scattering. <i>Journal of High Energy Physics</i> , <b>1998</b> , 1998, 017-017	5.4	8
10	Jet shapes for boosted jet two-prong decays from first-principles. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-50	5.4	5
9	Groomed jet mass as a direct probe of collinear parton dynamics. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	5
8	Top tagging: an analytical perspective. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
7	The $Q^2$ -distribution of the Breit current hemisphere in DIS as a probe of small- $x$ -broadening effects. <i>Journal of High Energy Physics</i> , <b>2006</b> , 2006, 080-080	5.4	3
6	Aspects of power corrections in hadron-hadron collisions. <i>Journal of High Energy Physics</i> , <b>2007</b> , 2007, 013-013	5.4	3
5	On de-globalization in quantum chromodynamics <b>2004</b> , 62, 675-678		3
4	Investigating top tagging with Y-splitter and N-subjettiness. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
3	Power corrections in QCD. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2002</b> , 28, 907-914	2.9	1
2	Dissecting the collinear structure of quark splitting at NNLL. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0

- 1 Status of resummed predictions for QCD final state observables. *Nuclear Physics, Section B, Proceedings Supplements*, **2004**, 133, 53-58