

# David J Mulryne

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,531  
citations

331670

21  
h-index

302126

39  
g-index

46  
all docs

46  
docs citations

46  
times ranked

679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Gaussianity in inflationary scenarios for primordial black holes. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	5.4	13
2	Non-Gaussianity after many-field reheating. Physical Review D, 2021, 103, .	4.7	0
3	Derivation of regularized field equations for the Einstein-Gauss-Bonnet theory in four dimensions. Physical Review D, 2020, 102, .	4.7	119
4	Observational constraints on the regularized 4D Einstein-Gauss-Bonnet theory of gravity. Physical Review D, 2020, 102, .	4.7	48
5	Dissecting the growth of the power spectrum for primordial black holes. Physical Review D, 2019, 100, .	4.7	73
6	Primordial curvature perturbation from lattice simulations. Physical Review D, 2019, 100, .	4.7	5
7	Numerically evaluating the bispectrum in curved field-space with PyTransport 2.0. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023.	5.4	19
8	Nonperturbative $\langle \delta^2 \delta \rangle$ formalism. Physical Review D, 2018, 98, .	4.7	3
9	Attractor behaviour in multifield inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 032-032.	5.4	56
10	PyTransport: A Python package for the calculation of inflationary correlation functions. Journal of Open Source Software, 2018, 3, 494.	4.6	17
11	Linear density perturbations in multifield coupled quintessence. Physical Review D, 2017, 95, .	4.7	8
12	Numerical evaluation of the bispectrum in multiple field inflation the transport approach with code. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 033-033.	5.4	41
13	Non-Gaussianity in multiple three-form field inflation. Physical Review D, 2016, 94, .	4.7	11
14	The separate universe approach to soft limits. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 035-035.	5.4	11
15	Generating the cosmic microwave background power asymmetry with $\langle \delta^2 \delta \rangle$ Physical Review D, 2015, 92, .	4.7	16
16	The squeezed limit of the bispectrum in multi-field inflation. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	5.4	20
17	The curvature perturbation at second order. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 040-040.	5.4	19
18	Resolving primordial physics through correlated signatures. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 010-010.	5.4	6

#	ARTICLE	IF	CITATIONS
19	TRANSPORT TECHNIQUES FOR NON-GAUSSIANITY. , 2015, , .		0
20	Exploring two-field inflation in the Wess-Zumino model. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 012-012.	5.4	9
21	General analytic predictions of two-field inflation and perturbative reheating. Physical Review D, 2014, 89, .	4.7	18
22	What Planck does not tell us about inflation. Physical Review D, 2013, 88, .	4.7	9
23	Transporting non-Gaussianity from sub to super-horizon scales. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 010-010.	5.4	24
24	Transport equations for the inflationary trispectrum. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 019-019.	5.4	22
25	Three-form inflation and non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 016-016.	5.4	20
26	Inflationary perturbation theory is geometrical optics in phase space. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 010-010.	5.4	49
27	Large trispectrum in two-field slow-roll inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 001-001.	5.4	19
28	Non-Gaussianity from the hybrid potential. Physical Review D, 2011, 84, .	4.7	31
29	EVOLUTION OF NON-GAUSSIANITY IN MULTI-SCALAR FIELD MODELS. International Journal of Modern Physics Conference Series, 2011, 03, 203-214.	0.7	5
30	Moment transport equations for the primordial curvature perturbation. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 030-030.	5.4	46
31	Evolution of fNL to the adiabatic limit. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 005-005.	5.4	75
32	Towards an observational appraisal of string cosmology. Classical and Quantum Gravity, 2011, 28, 204010.	4.0	4
33	Moment transport equations for non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 024-024.	5.4	42
34	High-density regime of kinetic-dominated loop quantum cosmology. Physical Review D, 2010, 82, .	4.7	17
35	Non-linear non-local Cosmology. , 2009, , .		13
36	Dynamics and stability of light-like tachyon condensation. Journal of High Energy Physics, 2009, 2009, 018-018.	4.7	18

#	ARTICLE	IF	CITATIONS
37	Gravitational wave background from superinflation in loop quantum cosmology. Physical Review D, 2009, 79, .	4.7	48
38	Diffusing nonlocal inflation: Solving the field equations as an initial value problem. Physical Review D, 2008, 78, .	4.7	39
39	Superinflation in loop quantum cosmology. Physical Review D, 2008, 77, .	4.7	63
40	Nonlinear vector perturbations in a contracting universe. Classical and Quantum Gravity, 2007, 24, 2721-2734.	4.0	16
41	Constraints on a scale invariant power spectrum from superinflation in loop quantum cosmology. Physical Review D, 2006, 74, .	4.7	32
42	Graceful entrance to braneworld inflation. Physical Review D, 2006, 73, .	4.7	54
43	INFLATIONARY COSMOLOGY AND OSCILLATING UNIVERSES IN LOOP QUANTUM COSMOLOGY. International Journal of Modern Physics A, 2005, 20, 2347-2357.	1.5	33
44	An emergent universe from a loop. Physical Review D, 2005, 71, .	4.7	186
45	Inflationary cosmology and quantization ambiguities in semiclassical loop quantum gravity. Physical Review D, 2004, 70, .	4.7	59
46	Oscillatory universes in loop quantum cosmology and initial conditions for inflation. Physical Review D, 2004, 70, .	4.7	95