

Christopher J Monahan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Parton distributions and lattice QCD calculations: A community white paper. <i>Progress in Particle and Nuclear Physics</i> , 2018, 100, 107-160.	14.4	186
2	Rare decay $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:mi} \rangle B \langle /mml:mi \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:mi} \rangle K \langle /mml:mi \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{a}, \langle /mml:msup \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:math} \text{ variant="bold"} \rangle + \langle /mml:math \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{a}, \langle /mml:msup \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:math} \text{ variant="bold"} \rangle \hat{a} \langle /mml:math \rangle \langle /mml:msup \rangle \langle /mml:math \rangle$ form factors from lattice QCD. <i>Physical Review D</i> , 2013, 88, 054503.	4.7	69
3	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle B \langle /mml:mi \rangle \langle \text{mml:mi} \rangle s \langle /mml:mi \rangle \langle /mml:msub \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:math} \text{ stretchy="false"} \rangle \hat{a} \langle /mml:math \rangle \langle \text{mml:mi} \rangle K \langle /mml:mi \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:mi} \rangle \hat{1}/2 \langle /mml:mi \rangle \langle /mml:math \rangle$ form factors from lattice QCD. <i>Physical Review D</i> , 2014, 90, 034503.	4.7	66
4	Quasi parton distributions and the gradient flow. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	60
5	Role of the Euclidean signature in lattice calculations of quasidistributions and other nonlocal matrix elements. <i>Physical Review D</i> , 2017, 96, 034503.	4.7	42
6	Parton distribution functions from reduced Ioffe-time distributions. <i>Physical Review D</i> , 2018, 97, 034503.	4.7	42
7	Finite-volume effects due to spatially nonlocal operators. <i>Physical Review D</i> , 2018, 98, 034503.	4.7	37
8	Smeared quasidistributions in perturbation theory. <i>Physical Review D</i> , 2018, 97, 034503.	4.7	32
9	Locally smeared operator product expansions in scalar field theory. <i>Physical Review D</i> , 2015, 91, 034503.	4.7	26
10	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle F \langle /mml:mi \rangle \langle \text{mml:mi} \rangle K \langle /mml:mi \rangle \langle /mml:msub \rangle \langle \text{mml:mo} \rangle \langle /mml:mo \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle F \langle /mml:mi \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ 4.7 from M $\ddot{\alpha}$ bius domain-wall fermions solved on gradient-flowed HISQ ensembles. <i>Physical Review D</i> , 2020, 102, 034503.	4.7	25
11	Unpolarized gluon distribution in the nucleon from lattice quantum chromodynamics. <i>Physical Review D</i> , 2021, 104, 034503.	4.7	25
12	$Bs \hat{a} \langle /mml:math \rangle Ds \hat{a}, \langle /mml:math \rangle \hat{1}/2$ form factors and the fragmentation fraction ratio fs/fd . <i>Physical Review D</i> , 2017, 95, 034503.	4.7	23
13	Transversity parton distribution function of the nucleon using the pseudodistribution approach. <i>Physical Review D</i> , 2022, 105, 034503.	4.7	19
14	Short flow-time coefficients of $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle \langle \text{mml:mi} \rangle C \langle /mml:mi \rangle \langle \text{mml:mi} \rangle P \langle /mml:mi \rangle \langle /mml:math \rangle$ -violating operators. <i>Physical Review D</i> , 2020, 102, 034503.	4.7	15
15	M $\ddot{\alpha}$ bius domain-wall fermions on gradient-flowed dynamical HISQ ensembles. <i>Physical Review D</i> , 2017, 96, 034503. Scale setting the M $\ddot{\alpha}$ bius domain wall fermion on gradient-flowed HISQ action using the omega baryon mass and the gradient-flow scales $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle t \langle /mml:mi \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mn} \rangle 0 \langle /mml:mn \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ and $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle w \langle /mml:mi \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mn} \rangle 0 \langle /mml:mn \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$.	4.7	12
16	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle t \langle /mml:mi \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mn} \rangle 0 \langle /mml:mn \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ and $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle w \langle /mml:mi \rangle \langle \text{mml:mi} \rangle \langle /mml:mi \rangle \langle \text{mml:mn} \rangle 0 \langle /mml:mn \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$.	4.7	9
17	Notes on lattice observables for parton distributions: nongauge theories. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	7
18	One-loop matching for quark dipole operators in a gradient-flow scheme. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	6

#	ARTICLE	IF	CITATIONS
19	Detailed analysis of excited-state systematics in a lattice QCD calculation of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:msub\rangle\langle mml:mi\rangle g\langle/mml:mi\rangle A\langle/mml:mi\rangle \langle mml:msub\rangle\langle mml:mi\rangle$ Physical Review C, 2022, 105, .		
20	The gradient flow in simple field theories. , 2016, , .	1	
21	Model-independent framework for determining finite-volume effects of spatially nonlocal operators. Physical Review D, 2021, 103, .	4.7	0