Maxwell T Hansen

List of Publications by Year
in descending order

32	1,761	257450 24	395702 33
papers	citations	h-index	g-index

34	34	34	619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relativistic, model-independent determination of electromagnetic finite-size effects beyond the pointlike approximation. Physical Review D, 2022, 105, .	4.7	7
2	Inclusive rates from smeared spectral densities in the two-dimensional O(3) non-linear Ïƒ-model. Journal of High Energy Physics, 2022, 2022, .	4.7	16
3	Energy-Dependent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï€</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>Ï€</mml:mi> Scattering Amplitude from QCD. Physical Review Letters, 2021, 126, 012001.	7.8	26
4	Decay amplitudes to three hadrons from finite-volume matrix elements. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
5	Role of boundary conditions in quantum computations of scattering observables. Physical Review D, 2021, 103, .	4.7	21
6	Long-range electroweak amplitudes of single hadrons from Euclidean finite-volume correlation functions. Physical Review D, 2020, 101, .	4.7	25
7	Consistency checks for two-body finite-volume matrix elements. II. Perturbative systems. Physical Review D, 2020, 101, .	4.7	11
8	Generalizing the relativistic quantization condition to include all three-pion isospin channels. Journal of High Energy Physics, 2020, 2020, 1.	4.7	48
9	Form factors of two-hadron states from a covariant finite-volume formalism. Physical Review D, 2019, 100, .	4.7	25
10	Finite-Volume Effects in (gâˆ’2)Î¼HVP,LO. Physical Review Letters, 2019, 123, 172001.	7.8	16
11	Three-particle systems with resonant subprocesses in a finite volume. Physical Review D, 2019, 99, .	4.7	63
12	Scattering amplitudes from finite-volume spectral functions. Physical Review D, 2019, 100, .	4.7	34
13	Unitarity of the infinite-volume three-particle scattering amplitude arising from a finite-volume formalism. Physical Review D, 2019, 100, .	4.7	41
14	Consistency checks for two-body finite-volume matrix elements: Conserved currents and bound states. Physical Review D, 2019, 100, .	4.7	15
15	Lattice QCD and Three-Particle Decays of Resonances. Annual Review of Nuclear and Particle Science, 2019, 69, 65-107.	10.2	92
16	Opportunities for Lattice QCD in quark and lepton flavor physics. European Physical Journal A, 2019, 55, 1.	2.5	24
17	Numerical exploration of three relativistic particles in a finite volume including two-particle resonances and bound states. Journal of High Energy Physics, 2019, 2019, 1.	4.7	56
18	Finite volume matrix elements of two-body states. , 2019, , .		1

#	Article	IF	Citations
19	Finite-volume effects due to spatially nonlocal operators. Physical Review D, 2018, 98, .	4.7	37
20	Numerical study of the relativistic three-body quantization condition in the isotropic approximation. Physical Review D, 2018, 98, .	4.7	56
21	Applying the relativistic quantization condition to a three-particle bound state in a periodic box. Physical Review D, 2017, 95, .	4.7	33
22	Relating the finite-volume spectrum and the two-and-three-particle <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi></mml:mrow></mml:math> matrix for relativistic systems of identical scalar particles. Physical Review D, 2017, 95, .	4.7	120
23	From deep inelastic scattering to heavy-flavor semileptonic decays: Total rates into multihadron final states from lattice QCD. Physical Review D, 2017, 96, .	4.7	60
24	Role of the Euclidean signature in lattice calculations of quasidistributions and other nonlocal matrix elements. Physical Review D, 2017, 96, .	4.7	42
25	Relativistic, model-independent, multichannel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2</mml:mn><mml:mo stretchy="false">â†’</mml:mo><mml:mn>2</mml:mn></mml:math> transition amplitudes in a finite volume. Physical Review D, 2016, 94, .	4.7	59
26	Perturbative results for two- and three-particle threshold energies in finite volume. Physical Review D, 2016, 93, .	4.7	44
27	Threshold expansion of the three-particle quantization condition. Physical Review D, 2016, 93, .	4.7	64
28	Multichannel<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>0</mml:mn><mml:mo stretchy="false">â†’</mml:mo><mml:mn>2</mml:mn></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo stretchy="false">â†’</mml:mo><mml:mn>2</mml:mn></mml:math>transition amplitudes for arbitrary spin particles in a finite volume. Physical Review D, 2015, 92, .	4.7	83
29	Expressing the three-particle finite-volume spectrum in terms of the three-to-three scattering amplitude. Physical Review D, 2015, 92, .	4.7	144
30	Multichannel<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo stretchy="false">â†’</mml:mo><mml:mn>2</mml:mn></mml:math>transition amplitudes in a finite volume. Physical Review D, 2015, 91, .	4.7	92
31	Relativistic, model-independent, three-particle quantization condition. Physical Review D, 2014, 90, .	4.7	158
32	Multiple-channel generalization of Lellouch-LÃ¼scher formula. Physical Review D, 2012, 86, .	4.7	201