

# Zhengkang Zhang

## List of Publications by Year in descending order

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23  
papers

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citations

430442

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docs citations

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times ranked

807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark photon dark matter produced by axion oscillations. Physical Review D, 2019, 99, .	1.6	136
2	Covariant diagrams for one-loop matching. Journal of High Energy Physics, 2017, 2017, 1.	1.6	69
3	Mixed heavyâ€“light matching in the Universal One-Loop Effective Action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 166-176.	1.5	68
4	Multichannel direct detection of light dark matter: Target comparison. Physical Review D, 2020, 101, .	1.6	66
5	Extending the Universal One-Loop Effective Action: heavy-light coefficients. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
6	Multi-channel direct detection of light dark matter: theoretical framework. Journal of High Energy Physics, 2020, 2020, 1.	1.6	63
7	Detecting Light Dark Matter with Magnons. Physical Review Letters, 2020, 124, 201801.	2.9	49
8	Effective theories of universal theories. Journal of High Energy Physics, 2016, 2016, 1.	1.6	48
9	Time to Go Beyond Triple-Gauge-Boson-Coupling Interpretation of $W$ Pair Production. Physical Review Letters, 2017, 118, 011803.	2.9	41
10	Detectability of axion dark matter with phonon polaritons and magnons. Physical Review D, 2020, 102, .	1.6	35
11	The fermionic universal one-loop effective action. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
12	STrEAMlining EFT Matching. SciPost Physics, 2021, 10, .	1.5	32
13	Implications of an Improved Neutron-Antineutron Oscillation Search for Baryogenesis: A Minimal Effective Theory Analysis. Physical Review Letters, 2018, 121, 171801.	2.9	28
14	Functional prescription for EFT matching. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
15	Extended calculation of dark matter-electron scattering in crystal targets. Physical Review D, 2021, 104, .	1.6	28
16	Effective field theory of dark matter direct detection with collective excitations. Physical Review D, 2022, 105, .	1.6	24
17	Directional detectability of dark matter with single phonon excitations: Target comparison. Physical Review D, 2022, 105, .	1.6	23
18	Dark matter absorption via electronic excitations. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19

#	ARTICLE	IF	CITATIONS
19	Effective field theory approach to trans-TeV supersymmetry: covariant matching, Yukawa unification and Higgs couplings. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	18
20	Renormalization group evolution of the universal theories EFT. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	15
21	Role of low-energy observables in precision Higgs boson analyses. <i>Physical Review D</i> , 2015, 91, .	1.6	6
22	Magic zeroes and hidden symmetries. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	4
23	Establishing the isolated standard model. <i>Physical Review D</i> , 2017, 96, .	1.6	1