

# Azadeh Mohammadi

## List of Publications by Year in descending order

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31  
papers

250  
citations

840585

11  
h-index

1058333

14  
g-index

31  
all docs

31  
docs citations

31  
times ranked

121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lorentz-violating dimension-five operator contribution to the black body radiation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 191-196.	1.5	18
2	Interaction between kinks and antikinks with double long-range tails. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136361.	1.5	18
3	Wobbling double sine-Gordon kinks. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
4	Fermionic bound states in distinct kinklike backgrounds. European Physical Journal C, 2017, 77, 1.	1.4	17
5	Induced fermionic currents in de Sitter spacetime in the presence of a compactified cosmic string. Classical and Quantum Gravity, 2015, 32, 135002.	1.5	14
6	Coupled fermion-kink system in Jackiw-Rebbi model. European Physical Journal C, 2017, 77, 1.	1.4	13
7	Dirac field in the background of a planar defect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 420-424.	1.5	13
8	Fermion transfer in the $\mathbb{R}^4$ model with a half-BPS preserving impurity. Physical Review D, 2020, 102, .	1.6	12
9	Quasinormal modes in kink excitations and kink-antikink interactions: a toy model. European Physical Journal C, 2020, 80, 1.	1.4	12
10	Shape invariance for the bent brane with two scalar fields. European Physical Journal C, 2007, 49, 859-864.	1.4	11
11	Quantum corrections to the generalized Proca theory via a matter field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 141-151.	1.5	11
12	Casimir energy for a coupled fermion-soliton system. Journal of High Energy Physics, 2011, 2011, 1.	1.6	10
13	Casimir energy for a coupled fermion-kink system and its stability. Physical Review D, 2013, 87, .	1.6	10
14	Finite temperature fermionic charge and current densities induced by a cosmic string with magnetic flux. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 185401.	0.7	9
15	Fermions in the presence of topological structures under geometric constrictions. Physical Review D, 2021, 103, .	1.6	9
16	Finite temperature bosonic charge and current densities in compactified cosmic string spacetime. Physical Review D, 2016, 93, .	1.6	7
17	Aharonov-Bohm effect for a fermion field in a planar black hole spacetime. European Physical Journal C, 2017, 77, 1.	1.4	7
18	Fermion bound states in geometrically deformed backgrounds. Chinese Physics C, 2019, 43, 013101.	1.5	7

#	ARTICLE	IF	CITATIONS
19	Induced fermionic vacuum polarization in a de Sitter spacetime with a compactified cosmic string. Physical Review D, 2020, 101, .	1.6	6
20	An investigation of the Casimir energy for a fermion coupled to the sine-Gordon soliton with parity decomposition. European Physical Journal C, 2014, 74, 1.	1.4	5
21	A $\phi^6$ soliton with a long-range tail. European Physical Journal C, 2020, 80, 1.	1.4	5
22	The radiative corrections to the mass of the kink using an alternative renormalization program. Journal of High Energy Physics, 2012, 2012, 1.	1.6	4
23	Fermions on wobbling kinks: normal versus quasinormal modes. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
24	Induced fermionic current by a magnetic flux in a cosmic string spacetime at finite temperature. International Journal of Modern Physics A, 2016, 31, 1641021.	0.5	2
25	Vacuum bosonic currents induced by a compactified cosmic string in dS background. International Journal of Modern Physics D, 2020, 29, 2050103.	0.9	2
26	Boundary effects on classical liquid density fluctuations. Physical Review D, 2021, 104, .	1.6	2
27	SHAPE INVARIANCE AND BPS BOUNDS IN $\mathbb{R}^4$ AND SINE-GORDON THEORIES. Modern Physics Letters A, 2007, 22, 1349-1358.	0.5	1
28	Fermion zero modes in the vortex background of a Chern-Simons-Higgs theory with a hidden sector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
29	Scattering cross-section in gravitating cosmic string spacetimes. Classical and Quantum Gravity, 2021, 38, 205006.	1.5	1
30	Thermal Casimir effect in a classical liquid in a quasiperiodically identified conical spacetime. Physical Review D, 2022, 105, .	1.6	1
31	Fermion zero modes in a vortex background. Physical Review D, 2016, 94, .	1.6	0