

# Azadeh Mohammadi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28  
papers

146  
citations

8  
h-index

10  
g-index

31  
ext. papers

225  
ext. citations

4.1  
avg, IF

3.76  
L-index

#	Paper	IF	Citations
28	Fermions in the presence of topological structures under geometric constrictions. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	2
27	Interaction between kinks and antikinks with double long-range tails. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 818, 136361	4.2	5
26	Fermions on wobbling kinks: normal versus quasinormal modes. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
25	Scattering cross-section in gravitating cosmic string spacetimes. <i>Classical and Quantum Gravity</i> , <b>2021</b> , 38, 205006	3.3	1
24	Wobbling double sine-Gordon kinks. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
23	Quasinormal modes in kink excitations and kink-antikink interactions: a toy model. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
22	A $(\phi^6)$ soliton with a long-range tail. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	2
21	Induced fermionic vacuum polarization in a de Sitter spacetime with a compactified cosmic string. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	3
20	Fermion transfer in the $\mathbb{Z}_4$ model with a half-BPS preserving impurity. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	6
19	Vacuum bosonic currents induced by a compactified cosmic string in dS background. <i>International Journal of Modern Physics D</i> , <b>2020</b> , 29, 2050103	2.2	0
18	Fermion bound states in geometrically deformed backgrounds. <i>Chinese Physics C</i> , <b>2019</b> , 43, 013101	2.2	6
17	Dirac field in the background of a planar defect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 420-424	4.2	9
16	Lorentz-violating dimension-five operator contribution to the black body radiation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 785, 191-196	4.2	11
15	Aharonov-Bohm effect for a fermion field in a planar black hole spacetime. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	5
14	Fermionic bound states in distinct kinklike backgrounds. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	15
13	Quantum corrections to the generalized Proca theory via a matter field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 141-151	4.2	8
12	Coupled fermion-kink system in Jackiw-Rebbi model. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	8

11	Finite temperature bosonic charge and current densities in compactified cosmic string spacetime. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
10	Induced fermionic current by a magnetic flux in a cosmic string spacetime at finite temperature. <i>International Journal of Modern Physics A</i> , <b>2016</b> , 31, 1641021	1.2	1
9	Finite temperature fermionic charge and current densities induced by a cosmic string with magnetic flux. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2015</b> , 48, 185401	2	7
8	Induced fermionic currents in de Sitter spacetime in the presence of a compactified cosmic string. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 135002	3.3	12
7	Fermion zero modes in the vortex background of a Chern-Simons-Higgs theory with a hidden sector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	0
6	An investigation of the Casimir energy for a fermion coupled to the sine-Gordon soliton with parity decomposition. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	4
5	Casimir energy for a coupled fermion-kink system and its stability. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	8
4	The radiative corrections to the mass of the kink using an alternative renormalization program. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	2
3	Casimir energy for a coupled fermion-soliton system. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	7
2	Shape invariance for the bent brane with two scalar fields. <i>European Physical Journal C</i> , <b>2007</b> , 49, 859-864.	4.2	10
1	SHAPE INVARIANCE AND BPS BOUNDS IN $\mathbb{Z}_2$ AND SINE-GORDON THEORIES. <i>Modern Physics Letters A</i> , <b>2007</b> , 22, 1349-1358	1.3	1