

# Van SÃ©rgio Alves

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1627308/publications.pdf>

Version: 2024-02-01

25  
papers

279  
citations

933447

10  
h-index

888059

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction Induced Quantum Valley Hall Effect in Graphene. Physical Review X, 2015, 5, .	8.9	45
2	Unitarity of theories containing fractional powers of the $\Delta^{\text{TM}}$ Alembertian operator. Physical Review D, 2014, 90, .	4.7	32
3	Chiral symmetry breaking in the pseudo-quantum electrodynamics. Physical Review D, 2013, 87, .	4.7	27
4	Spin $g$ -factor due to electronic interactions in graphene. Physical Review B, 2017, 95, .	3.2	25
5	Chiral-symmetry breaking in pseudoquantum electrodynamics at finite temperature. Physical Review D, 2015, 92, .	4.7	23
6	Quantum-electrodynamical approach to the exciton spectrum in transition-metal dichalcogenides. 2D Materials, 2018, 5, 041006.	4.4	18
7	Dynamical mass generation in pseudoquantum electrodynamics with four-fermion interactions. Physical Review D, 2017, 96, .	4.7	14
8	Chern-Simons terms in Lifshitz-like quantum electrodynamics. Physical Review D, 2013, 88, .	4.7	13
9	Renormalization of the band gap in 2D materials through the competition between electromagnetic and four-fermion interactions in large $N$ expansion. Physical Review D, 2020, 102, .	4.7	12
10	Pseudo quantum electrodynamics and Chern-Simons theory coupled to two-dimensional electrons. Physical Review D, 2020, 101, .	4.7	11
11	Two-dimensional Yukawa interactions from nonlocal Proca quantum electrodynamics. Physical Review D, 2018, 97, .	4.7	9
12	Cavity effects on the Fermi velocity renormalization in a graphene sheet. Nuclear Physics B, 2018, 932, 529-539.	2.5	9
13	Inhibition of the Fermi velocity renormalization in a graphene sheet by the presence of a conducting plate. Nuclear Physics B, 2017, 920, 221-231.	2.5	8
14	Screening and topological order in thin superconducting films. New Journal of Physics, 2018, 20, 083049.	2.9	5
15	Bounded particle interactions driven by a nonlocal dual Chern-Simons model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134860.	4.1	5
16	Light front Casimir effect. Physical Review D, 2013, 87, .	4.7	4
17	Influence of the four-fermion interactions in a massive electron system. Physical Review D, 2021, 103, .		
18	Two-loop photon self-energy in pseudoquantum electrodynamics in the presence of a conducting surface. Physical Review D, 2020, 102, .	4.7	4

#	ARTICLE	IF	CITATIONS
19	Bosonization, mass generation, and the pseudo-Chern-Simons action. Physical Review D, 2021, 103, .	4.7	3
20	Renormalization group approach in a Lifshitz-like Gross-Neveu-Thirring model. Physical Review D, 2018, 97, .	4.7	2
21	Dynamical mass generation in pseudoquantum electrodynamics with Gross-Neveu interaction at finite temperature. Physical Review D, 2021, 103, .	4.7	2
22	Effects of the pseudo-Chern-Simons action for strongly correlated electrons in a plane. Physical Review D, 2022, 105, .	4.7	2
23	fixed points in perturbative non-Abelian four-Fermi theory in $d = 4$ dimensions. Physical Review D, 2022, 105, .	2.1	1
24	Suppressing vacuum fluctuations with vortex excitations. Physical Review D, 2015, 92, .	4.7	1
25	Bosonic interactions in a nonlocal theory in $(2+1)$ dimensions. Physical Review D, 2019, 100, .	4.7	0