

Gerson J Ferreira

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4757290/publications.pdf>

Version: 2024-02-01

29
papers

483
citations

686830

13
h-index

676716

22
g-index

31
all docs

31
docs citations

31
times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetically Defined Qubits on 3D Topological Insulators. <i>Physical Review Letters</i> , 2013, 111, 106802.	2.9	70
2	Low-bias negative differential resistance in graphene nanoribbon superlattices. <i>Physical Review B</i> , 2011, 84, .	1.1	59
3	Helical states in curved bilayer graphene. <i>Physical Review B</i> , 2012, 86, .	1.1	57
4	Topological flat band, Dirac fermions and quantum spin Hall phase in 2D Archimedean lattices. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22344-22350.	1.3	39
5	Current-Controlled Spin Precession of Quasistationary Electrons in a Cubic Spin-Orbit Field. <i>Physical Review Letters</i> , 2016, 116, 196802.	2.9	30
6	Spin-orbit coupling in wurtzite heterostructures. <i>Physical Review B</i> , 2020, 101, .	1.1	22
7	Spin drift and diffusion in one- and two-subband helical systems. <i>Physical Review B</i> , 2017, 95, .	1.1	19
8	Orbital Pseudospin-Momentum Locking in Two-Dimensional Chiral Borophene. <i>Nano Letters</i> , 2019, 19, 6564-6568.	4.5	17
9	Confinement and fermion doubling problem in Dirac-like Hamiltonians. <i>Physical Review B</i> , 2017, 96, .	1.1	16
10	Macroscopic transverse drift of long current-induced spin coherence in two-dimensional electron gases. <i>Physical Review B</i> , 2016, 94, .	1.1	15
11	Tuning the topological states in metal-organic bilayers. <i>Physical Review B</i> , 2017, 96, .	1.1	15
12	Layertronic control of topological states in multilayer metal-organic frameworks. <i>Journal of Chemical Physics</i> , 2019, 150, 234701.	1.2	15
13	Quantum anomalous Hall effect in metal-bis(dithiolene), magnetic properties, doping and interfacing graphene. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22652-22659.	1.3	14
14	Gate control of the spin mobility through the modification of the spin-orbit interaction in two-dimensional systems. <i>Physical Review B</i> , 2017, 95, .	1.1	11
15	Conductance and Kondo Interference beyond Proportional Coupling. <i>Physical Review Letters</i> , 2017, 119, 116801.	2.9	10
16	Interplay between boundary conditions and Wilson's mass in Dirac-like Hamiltonians. <i>Physical Review B</i> , 2019, 100, .	1.1	10
17	High-degeneracy points protected by site-permutation symmetries. <i>Physical Review B</i> , 2020, 101, .	1.1	10
18	Topological nonsymmorphic ribbons out of symmorphic bulk. <i>Physical Review B</i> , 2016, 93, .	1.1	9

#	ARTICLE	IF	CITATIONS
19	Zitterbewegung and bulk-edge Landau-Zener tunneling in topological insulators. Physical Review B, 2018, 98, .	1.1	9
20	Electrical control of spin relaxation anisotropy during drift transport in a two-dimensional electron gas. Physical Review B, 2020, 102, .	1.1	6
21	Many-Body Effects on the \tilde{I}_{xx} Ringlike Structures in Two-Subband Wells. Physical Review Letters, 2010, 104, 066803.	1.1	3
22	Spin drift-diffusion for two-subband quantum wells. Physical Review B, 2021, 103, .	1.1	5
23	Suppressed topological phase transitions due to nonsymmorphism in SnTe stacking. Scientific Reports, 2018, 8, 9452.	1.6	4
24	Ringlike structures in the densityâ€“magnetic-field \tilde{I}_{xx} diagram of two-subband quantum Hall systems. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4364-4367.	0.8	3
25	Collapse of \tilde{I}_{xx} Ringlike Structures in 2DEGs Under Tilted Magnetic Fields. Journal of Superconductivity and Novel Magnetism, 2010, 23, 19-22.	0.8	3
26	Macroscopic transport of a current-induced spin polarization. Journal of Physics: Conference Series, 2017, 864, 012060.	0.3	3
27	Fabry-PÃ©rot resonant vortices and magnetoconductance in topological insulator constrictions with magnetic barriers. Physical Review B, 2021, 103, .	1.1	3
28	Engineering topological phases in triple HgTe/CdTe quantum wells. Scientific Reports, 2022, 12, 2617.	1.6	3
29	Exact exchange: A pathway for a density functional theory of the integer quantum Hall effect. Europhysics Letters, 2017, 119, 57001.	0.7	1