

Caetano R Miranda

List of Publications by Year in descending order

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581
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning of Microscopic Ingredients for Graphene Oxide/Cellulose Interaction. Langmuir, 2022, 38, 1124-1130.	1.6	8
2	Electronic Properties of the Weyl Semimetals Co_2MnX (X=Si, Ge, Sn). Physica Status Solidi - Rapid Research Letters, 2022, 16, .	1.2	2
3	Role of Functional Thiolated Molecules on the Enhanced Electronic Transport of Interconnected MoS_2 Nanostructures. Journal of Physical Chemistry C, 2022, 126, 12159-12167.	1.5	0
4	Bandgap evolution in nanographene assemblies. Physical Chemistry Chemical Physics, 2021, 23, 11501-11506.	1.3	1
5	Unveiling the dopant segregation effect at hematite interfaces. Applied Physics Letters, 2021, 118, .	1.5	13
6	Self-assembly of N-heterocyclic carbenes on Au(111). Nature Communications, 2021, 12, 4034.	5.8	47
7	Emergent quasiparticles in Euclidean tilings. Nanoscale, 2021, 13, 5270-5274.	2.8	4
8	Electronic correlations in the semiconducting half-Heusler compound FeVSb. Physical Review B, 2021, 103, .	1.1	7
9	At the Verge of Topology: Vacancy-Driven Quantum Spin Hall in Trivial Insulators. Nano Letters, 2021, 21, 9398-9402.	4.5	5
10	Amorphous Bi_2Te_3 structural, electronic, and topological nature from first principles. Physical Review B, 2021, 104, .	0.9	1
11	Identifying the fingerprints of topological states by tuning magnetoresistance in a semimetal: The case of topological half-Heusler PtMn_2 . Physical Review Materials, 2021, 5, .	0.9	1
12	High-degeneracy points protected by site-permutation symmetries. Physical Review B, 2020, 101, .	1.1	10
13	Simulations of X-ray absorption spectroscopy and energetic conformation of N-heterocyclic carbenes on Au(111). Physical Chemistry Chemical Physics, 2020, 22, 21504-21511.	1.3	6
14	Strain-induced phase transition in CrI_3 bilayers. 2D Materials, 2020, 7, 035008.	2.0	45
15	Engineering Metal-sp ^{xy} Dirac Bands on the Oxidized SiC Surface. Nano Letters, 2020, 20, 3956-3962.	4.5	4
16	Jacutingaite-family: A class of topological materials. Physical Review B, 2020, 102, .	1.1	13
17	Orbital Pseudospin-Momentum Locking in Two-Dimensional Chiral Borophene. Nano Letters, 2019, 19, 6564-6568.	4.5	17
18	Double flat bands in kagome twisted bilayers. Physical Review B, 2019, 100, .	1.1	15

#	ARTICLE	IF	CITATIONS
19	Graphene on the oxidized SiC surface and the impact of the metal intercalation. Carbon, 2019, 145, 603-613.	5.4	9
20	Layertronic control of topological states in multilayer metal-organic frameworks. Journal of Chemical Physics, 2019, 150, 234701.	1.2	15
21	Weak antilocalization in quasi-two-dimensional electronic states of epitaxial LuSb thin films. Physical Review B, 2019, 99, .	1.1	12
22	Topological flat band, Dirac fermions and quantum spin Hall phase in 2D Archimedean lattices. Physical Chemistry Chemical Physics, 2019, 21, 22344-22350.	1.3	39
23	Large disparity between optical and fundamental band gaps in layered In_2S_3 . Physical Review B, 2018, 98, .	1.1	1
24	Quantum anomalous Hall effect in metal-bis(dithiolene), magnetic properties, doping and interfacing graphene. Physical Chemistry Chemical Physics, 2018, 20, 22652-22659.	1.3	14
25	Nanolines of transition metals ruled by grain boundaries in graphene: An ab initio study. Materials Chemistry and Physics, 2017, 194, 118-127.	2.0	5
26	Tuning the topological states in metal-organic bilayers. Physical Review B, 2017, 96, .	1.1	15
27	Retention of contaminants Cd and Hg adsorbed and intercalated in aluminosilicate clays: A first principles study. Journal of Chemical Physics, 2017, 147, 174704.	1.2	5
28	Confinement and fermion doubling problem in Dirac-like Hamiltonians. Physical Review B, 2017, 96, .	1.1	16