

Caetano R Miranda

List of Publications by Year in descending order

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papers

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758635

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28
all docs

28
docs citations

28
times ranked

581
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of N-heterocyclic carbenes on Au(111). Nature Communications, 2021, 12, 4034.	5.8	47
2	Strain-induced phase transition in CrI ₃ bilayers. 2D Materials, 2020, 7, 035008.	2.0	45
3	Large disparity between optical and fundamental band gaps in layered In_2S_3 . Physical Review B, 2018, 98, .		
4	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
5	Orbital Pseudospin-Momentum Locking in Two-Dimensional Chiral Borophene. Nano Letters, 2019, 19, 6564-6568.	4.5	17
6	Confinement and fermion doubling problem in Dirac-like Hamiltonians. Physical Review B, 2017, 96, .	1.1	16
7	Tuning the topological states in metal-organic bilayers. Physical Review B, 2017, 96, .	1.1	15
8	Double flat bands in kagome twisted bilayers. Physical Review B, 2019, 100, .	1.1	15
9	Layertronic control of topological states in multilayer metal-organic frameworks. Journal of Chemical Physics, 2019, 150, 234701.	1.2	15
10	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
11	Amorphous Bi_2Te_3 structural, electronic, and topological nature from first principles. Physical Review B, 2021, 104, .		
12	Unveiling the dopant segregation effect at hematite interfaces. Applied Physics Letters, 2021, 118, .	1.5	13
13	Jacutingaite-family: A class of topological materials. Physical Review B, 2020, 102, .	1.1	13
14	Weak antilocalization in quasi-two-dimensional electronic states of epitaxial LuSb thin films. Physical Review B, 2019, 99, .	1.1	12
15	High-degeneracy points protected by site-permutation symmetries. Physical Review B, 2020, 101, .	1.1	10
16	Graphene on the oxidized SiC surface and the impact of the metal intercalation. Carbon, 2019, 145, 603-613.	5.4	9
17	Machine Learning of Microscopic Ingredients for Graphene Oxide/Cellulose Interaction. Langmuir, 2022, 38, 1124-1130.	1.6	8
18	Electronic correlations in the semiconducting half-Heusler compound FeVSb. Physical Review B, 2021, 103, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Simulations of X-ray absorption spectroscopy and energetic conformation of N-heterocyclic carbenes on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21504-21511.	1.3	6
20	Nanoribbons of transition metals ruled by grain boundaries in graphene: An ab initio study. <i>Materials Chemistry and Physics</i> , 2017, 194, 118-127.	2.0	5
21	Retention of contaminants Cd and Hg adsorbed and intercalated in aluminosilicate clays: A first principles study. <i>Journal of Chemical Physics</i> , 2017, 147, 174704.	1.2	5
22	At the Verge of Topology: Vacancy-Driven Quantum Spin Hall in Trivial Insulators. <i>Nano Letters</i> , 2021, 21, 9398-9402.	4.5	5
23	Engineering Metal- <i>sp</i> Dirac Bands on the Oxidized SiC Surface. <i>Nano Letters</i> , 2020, 20, 3956-3962.	4.5	4
24	Emergent quasiparticles in Euclidean tilings. <i>Nanoscale</i> , 2021, 13, 5270-5274.	2.8	4
25	Electronic Properties of the Weyl Semimetals Co_2MnX (X=Si, Ge, Sn). <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	1.2	2
26	Bandgap evolution in nanographene assemblies. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11501-11506.	1.3	1
27	Identifying the fingerprints of topological states by tuning magnetoresistance in a semimetal: The case of topological half-Heusler PtMn_2Sb . <i>Physical Review Materials</i> , 2021, 5, .	0.9	1
28	Role of Functional Thiolated Molecules on the Enhanced Electronic Transport of Interconnected MoS_2 Nanostructures. <i>Journal of Physical Chemistry C</i> , 2022, 126, 12159-12167.	1.5	0