

Martin Rodriguez-Vega

List of Publications by Year in descending order

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Version: 2024-02-01

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docs citations

24
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher-order Floquet topological phases with corner and bulk bound states. Physical Review B, 2019, 100, .	3.2	90
2	Floquet perturbation theory: formalism and application to low-frequency limit. New Journal of Physics, 2018, 20, 093022.	2.9	45
3	Low-frequency and Moiré Floquet engineering: A review. Annals of Physics, 2021, 435, 168434.	2.8	42
4	Universal Fluctuations of Floquet Topological Invariants at Low Frequencies. Physical Review Letters, 2018, 121, 036402.	7.8	36
5	Effective Floquet Hamiltonians for periodically driven twisted bilayer graphene. Physical Review B, 2020, 101, .	3.2	33
6	Effective Floquet Hamiltonian in the low-frequency regime. Physical Review B, 2020, 101, .	3.2	33
7	Floquet engineering of interlayer couplings: Tuning the magic angle of twisted bilayer graphene at the exit of a waveguide. Physical Review B, 2020, 101, .	3.2	29
8	Floquet engineering of twisted double bilayer graphene. Physical Review Research, 2020, 2, .	3.6	28
9	Magnetic Control of Soft Chiral Phonons in PbTe. Physical Review Letters, 2022, 128, 075901.	7.8	27
10	Discovery of the soft electronic modes of the trimeron order in magnetite. Nature Physics, 2020, 16, 541-545.	16.7	26
11	Electron-Phonon and Spin-Lattice Coupling in Atomically Thin Layers of MnBi_2Te_4 . Nano Letters, 2021, 21, 6139-6145.	9.1	25
12	Phonon-mediated dimensional crossover in bilayer MnBi_2Te_4 . Physical Review B, 2020, 102, .	3.2	21
13	Linear response theory and optical conductivity of Floquet topological insulators. Physical Review B, 2020, 101, .	3.2	19
14	Floquet engineering of topological transitions in a twisted transition metal dichalcogenide homobilayer. Physical Review B, 2021, 103, .	3.2	17
15	Floquet engineering and nonequilibrium topological maps in twisted trilayer graphene. Physical Review B, 2021, 104, .	3.2	13
16	Light-Driven Topological and Magnetic Phase Transitions in Thin Layer Antiferromagnets. Journal of Physical Chemistry Letters, 2022, 13, 4152-4158.	4.6	13
17	Group theory study of the vibrational modes and magnetic order in the topological antiferromagnet MnBi_2Te_4 . Physical Review B, 2020, 102, .	3.2	10
18	Magnons and magnetic fluctuations in atomically thin MnBi_2Te_4 . Nature Communications, 2022, 13, 2527.	12.8	10

#	ARTICLE	IF	CITATIONS
19	Quantum noise detects Floquet topological phases. Physical Review B, 2018, 98, .	3.2	8
20	Spin-charge coupled transport in van der Waals systems with random tunneling. Physical Review Research, 2019, 1, .	3.6	3
21	Real-time simulation of light-driven spin chains on quantum computers. Physical Review Research, 2022, 4, .	3.6	3
22	Direct driving of electronic and phononic degrees of freedom in a honeycomb bilayer with infrared light. Physical Review B, 2021, 104, .	3.2	3
23	Out-of-plane magnetic anisotropy in bulk ilmenite CoTiO_3 . Physical Review B, 2022, 105, .	3.2	2
24	Spin-phonon interaction in yttrium iron garnet. Physical Review B, 2021, 104, .	3.2	1