Martin Rodriguez-Vega

List of Publications by Year
in descending order

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24	537	623734 14	642732 23
papers	citations	h-index	g-index

24	24	24	443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Control of Soft Chiral Phonons in PbTe. Physical Review Letters, 2022, 128, 075901.	7.8	27
2	Real-time simulation of light-driven spin chains on quantum computers. Physical Review Research, 2022, 4, .	3.6	3
3	Out-of-plane magnetic anisotropy in bulk ilmenite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CoTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	3.2	2
4	Magnons and magnetic fluctuations in atomically thin MnBi2Te4. Nature Communications, 2022, 13, 2527.	12.8	10
5	Light-Driven Topological and Magnetic Phase Transitions in Thin Layer Antiferromagnets. Journal of Physical Chemistry Letters, 2022, 13, 4152-4158.	4.6	13
6	Floquet engineering of topological transitions in a twisted transition metal dichalcogenide homobilayer. Physical Review B, 2021, 103, .	3.2	17
7	Low-frequency and MoirÃ©â€“Floquet engineering: A review. Annals of Physics, 2021, 435, 168434.	2.8	42
8	Spin-phonon interaction in yttrium iron garnet. Physical Review B, 2021, 104, .	3.2	1
9	Electronâ€“Phonon and Spinâ€“Lattice Coupling in Atomically Thin Layers of MnBi₂Te₄. Nano Letters, 2021, 21, 6139-6145.	9.1	25
10	Floquet engineering and nonequilibrium topological maps in twisted trilayer graphene. Physical Review B, 2021, 104, .	3.2	13
11	Direct driving of electronic and phononic degrees of freedom in a honeycomb bilayer with infrared light. Physical Review B, 2021, 104, .	3.2	3
12	Group theory study of the vibrational modes and magnetic order in the topological antiferromagnet MnBi2Te4. Physical Review B, 2020, 102, .	3.2	10
13	Phonon-mediated dimensional crossover in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Cr</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">I</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2020, 102, .	3.2	21
14	Linear response theory and optical conductivity of Floquet topological insulators. Physical Review B, 2020, 101, .	3.2	19
15	Effective Floquet Hamiltonians for periodically driven twisted bilayer graphene. Physical Review B, 2020, 101, .	3.2	33
16	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
17	Discovery of the soft electronic modes of the trimeron order in magnetite. Nature Physics, 2020, 16, 541-545.	16.7	26
18	Effective Floquet Hamiltonian in the low-frequency regime. Physical Review B, 2020, 101, .	3.2	33

#	Article	IF	Citations
19	Floquet engineering of twisted double bilayer graphene. Physical Review Research, 2020, 2, .	3.6	28
20	Higher-order Floquet topological phases with corner and bulk bound states. Physical Review B, 2019, 100, .	3.2	90
21	Spin-charge coupled transport in van der Waals systems with random tunneling. Physical Review Research, 2019, 1, .	3.6	3
22	Floquet perturbation theory: formalism and application to low-frequency limit. New Journal of Physics, 2018, 20, 093022.	2.9	45
23	Quantum noise detects Floquet topological phases. Physical Review B, 2018, 98, .	3.2	8
24	Universal Fluctuations of Floquet Topological Invariants at Low Frequencies. Physical Review Letters, 2018, 121, 036402.	7.8	36