

# Carlos Mera Acosta

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

689  
citations

840776

11  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

973  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning Study of the Magnetic Ordering in 2D Materials. ACS Applied Materials & Interfaces, 2022, 14, 9418-9432.	8.0	35
2	Bayesian spatial modeling of COVID-19 case-fatality rate inequalities. Spatial and Spatio-temporal Epidemiology, 2022, 41, 100494.	1.7	3
3	High-throughput inverse design and Bayesian optimization of functionalities: spin splitting in two-dimensional compounds. Scientific Data, 2022, 9, 195.	5.3	2
4	Discovery of higher-order topological insulators using the spin Hall conductivity as a topology signature. Npj Computational Materials, 2021, 7, .	8.7	15
5	Different shapes of spin textures as a journey through the Brillouin zone. Physical Review B, 2021, 104, .	3.2	23
6	Exploring Two-Dimensional Materials Thermodynamic Stability via Machine Learning. ACS Applied Materials & Interfaces, 2020, 12, 20149-20157.	8.0	80
7	The Rashba Scale: Emergence of Band Anti-crossing as a Design Principle for Materials with Large Rashba Coefficient. Matter, 2020, 3, 145-165.	10.0	21
8	Inverse design of compounds that have simultaneously ferroelectric and Rashba cofunctionality. Physical Review B, 2020, 102, .	3.2	20
9	Amorphization of Indirect Band Gap Semiconductors To Tune Their Optoelectronic Properties. Journal of Physical Chemistry C, 2020, 124, 14432-14438.	3.1	7
10	Zeeman-type spin splitting in nonmagnetic three-dimensional compounds. Npj Quantum Materials, 2019, 4, .	5.2	23
11	Spin-Polarization Control Driven by a Rashba-Type Effect Breaking the Mirror Symmetry in Two-Dimensional Dual Topological Insulators. Physical Review Letters, 2019, 122, 036401.	7.8	25
12	From DFT to machine learning: recent approaches to materials science—a review. JPhys Materials, 2019, 2, 032001.	4.2	385
13	Hosts mobility and spatial spread of Rickettsia rickettsii. PLoS Computational Biology, 2018, 14, e1006636.	3.2	16
14	Transmission dynamics and control of Rickettsia rickettsii in populations of Hydrochoerus hydrochaeris and Amblyomma sculptum. PLoS Neglected Tropical Diseases, 2017, 11, e0005613.	3.0	32