

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