

Ac Dias

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

117
citations

6
h-index

10
g-index

19
ext. papers

193
ext. citations

3.7
avg, IF

2.87
L-index

#	Paper	IF	Citations
14	Tailoring Excitonic and Optoelectronic Properties of Transition Metal Dichalcogenide Bilayers. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 9173-9184	3.8	1
13	Excitonic Effects on Two-Dimensional Transition-Metal Dichalcogenide Monolayers: Impact on Solar Cell Efficiency. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3265-3278	6.1	2
12	Role of Structural Phases and Octahedra Distortions in the Optoelectronic and Excitonic Properties of CsGeX ₃ (X = Cl, Br, I) Perovskites. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19142-19155	3.8	6
11	Robust room temperature emissions of trion in darkish WSe monolayers: effects of dark neutral and charged excitonic states. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 365702	1.8	2
10	Anisotropy of the spin-polarized edge current in monolayer transition metal dichalcogenide zigzag nanoribbons. <i>Physical Review B</i> , 2020 , 101,	3.3	4
9	Magnetic-gateable valley exciton emission. <i>Npj Computational Materials</i> , 2020 , 6,	10.9	4
8	Large room-temperature valley polarization by valley-selective switching of exciton ground state. <i>Physical Review B</i> , 2020 , 101,	3.3	7
7	Fully spin-polarized open and closed nodal lines in Eborophene by magnetic proximity effect. <i>Physical Review B</i> , 2019 , 100,	3.3	7
6	Band structure of monolayer transition-metal dichalcogenides and topological properties of their nanoribbons: Next-nearest-neighbor hopping. <i>Physical Review B</i> , 2018 , 98,	3.3	24
5	Optically dark excitonic states mediated exciton and biexciton valley dynamics in monolayer WSe. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 265502	1.8	6
4	Tunable spin and valley dependent magneto-optical absorption in molybdenum disulfide quantum dots. <i>Scientific Reports</i> , 2017 , 7, 41044	4.9	19
3	Robust effective Zeeman energy in monolayer MoS ₂ quantum dots. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 375803	1.8	14
2	Valley Zeeman energy in monolayer MoS ₂ quantum rings: Aharonov-Bohm effect. <i>Physical Review B</i> , 2016 , 93,	3.3	15
1	Particle-hole-like symmetry and valley degeneracy splitting in graphene dot and antidot. <i>Europhysics Letters</i> , 2015 , 111, 38002	1.6	1