

Lidia C Gomes

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,873
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

2975
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural defects in compounds ZnX_2Sb_2 . <i>Physical Review Materials</i> , 2022, 6, . Origin of disorder and its relationship with electronic properties. <i>Physical Review Materials</i> , 2022, 6, .	2.4	2
2	Native Defect Engineering in $CuInTe_2$. <i>Chemistry of Materials</i> , 2021, 33, 359-369.	6.7	18
3	Anomalous electronic properties in layered, disordered $ZnVSb$. <i>Physical Review Materials</i> , 2021, 5, .	2.4	2
4	Understanding Cu incorporation in the Cu_2Sn structure using resonant x-ray diffraction. <i>Physical Review Materials</i> , 2021, 5, .	2.4	2
5	Electronic and optical properties of low-dimensional group-IV monochalcogenides. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	29
6	Carrier density control in $Cu_2HgGeTe_4$ and discovery of Hg_2GeTe_4 viaphase boundary mapping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 621-631.	10.3	27
7	Dual phases of crystalline and electronic structures in the nanocrystalline perovskite $CsPbBr_3$. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	41
8	New kagome prototype materials: discovery of KV_3 and CsV_3 . <i>Physical Review Materials</i> , 2019, 3, .	2.4	398
9	Accessing valley degree of freedom in bulk Tin(II) sulfide at room temperature. <i>Nature Communications</i> , 2018, 9, 1455.	12.8	56
10	Second-Harmonic Spectroscopy for Defects Engineering Monitoring in Transition Metal Dichalcogenides. <i>Advanced Optical Materials</i> , 2018, 6, 1701327.	7.3	29
11	Ultralow Thermal Conductivity in Diamond-Like Semiconductors: Selective Scattering of Phonons from Antisite Defects. <i>Chemistry of Materials</i> , 2018, 30, 3395-3409.	6.7	28
12	Electric-field-tuned topological phase transition in ultrathin Na_3Bi . <i>Nature</i> , 2018, 564, 390-394.	27.8	155
13	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017, 17, 4122-4129.	9.1	117
14	Spatial charge inhomogeneity and defect states in topological Dirac semimetal thin films of Na_3Bi . <i>Science Advances</i> , 2017, 3, eaao6661.	10.3	15
15	Vacancies and oxidation of two-dimensional group-IV monochalcogenides. <i>Physical Review B</i> , 2016, 94, .	3.2	77
16	Valley physics in tin (II) sulfide. <i>Physical Review B</i> , 2016, 93, .	3.2	101
17	Strongly bound Mott-Wannier excitons in GeS and $GeSe$ monolayers. <i>Physical Review B</i> , 2016, 94, .	3.2	76
18	Phosphorene analogues: Isoelectronic two-dimensional group-IV monochalcogenides with orthorhombic structure. <i>Physical Review B</i> , 2015, 92, .	3.2	391

#	ARTICLE	IF	CITATIONS
19	Enhanced piezoelectricity and modified dielectric screening of two-dimensional group-IV monochalcogenides. <i>Physical Review B</i> , 2015, 92, .	3.2	179
20	Lattice Relaxation at the Interface of Two-Dimensional Crystals: Graphene and Hexagonal Boron-Nitride. <i>Nano Letters</i> , 2014, 14, 5133-5139.	9.1	89
21	Stability of Edges and Extended Defects on Boron Nitride and Graphene Monolayers: The Role of Chemical Environment. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11770-11779.	3.1	36
22	Controlling thermoelectric transport via native defects in the diamond-like semiconductors $\text{Cu}_2\text{HgGeTe}_4$ and Hg_2GeTe_4 . <i>Journal of Materials Chemistry A</i> , 0, , .	10.3	4