

Benjamin M Fregoso

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6423528/publications.pdf>

Version: 2024-02-01

22
papers

1,300
citations

471061

17
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	Design principles for shift current photovoltaics. Nature Communications, 2017, 8, 14176.	5.8	219
2	Large Bulk Photovoltaic Effect and Spontaneous Polarization of Single-Layer Monochalcogenides. Physical Review Letters, 2017, 119, 067402.	2.9	182
3	Soft Superconducting Gap in Semiconductor Majorana Nanowires. Physical Review Letters, 2013, 110, 186803.	2.9	118
4	Structural Phase Transition and Material Properties of Few-Layer Monochalcogenides. Physical Review Letters, 2016, 117, 246802.	2.9	101
5	<i>Colloquium</i> : Physical properties of group-IV monochalcogenide monolayers. Reviews of Modern Physics, 2021, 93, .	16.4	87
6	Driven electronic states at the surface of a topological insulator. Physical Review B, 2013, 88, .	1.1	84
7	Gigantic Surface Lifetime of an Intrinsic Topological Insulator. Physical Review Letters, 2015, 115, 116801.	2.9	84
8	Ferronematic Ground State of the Dilute Dipolar Fermi Gas. Physical Review Letters, 2009, 103, 205301.	2.9	72
9	Quantitative relationship between polarization differences and the zone-averaged shift photocurrent. Physical Review B, 2017, 96, .	1.1	70
10	Biaxial nematic phases in ultracold dipolar Fermi gases. New Journal of Physics, 2009, 11, 103003.	1.2	69
11	Bulk photovoltaic effects in the presence of a static electric field. Physical Review B, 2019, 100, .	1.1	43
12	Magnetization Signatures of Light-Induced Quantum Hall Edge States. Physical Review Letters, 2015, 114, 246802.	2.9	37
13	Strong second harmonic generation in two-dimensional ferroelectric IV-monochalcogenides. Journal of Physics Condensed Matter, 2017, 29, 43LT01.	0.7	29
14	Electrical detection of topological quantum phase transitions in disordered Majorana nanowires. Physical Review B, 2013, 88, .	1.1	25
15	Ultrafast Zero-Bias Surface Photocurrent in Germanium Selenide: Promise for Terahertz Devices and Photovoltaics. ACS Applied Materials & Interfaces, 2019, 11, 5492-5498.	4.0	20
16	Jerk Current: A Novel Bulk Photovoltaic Effect. Physical Review Letters, 2018, 121, 176604.	2.9	19
17	Injection current in ferroelectric group-IV monochalcogenide monolayers. Physical Review B, 2019, 100, .	1.1	19
18	Intrinsic surface dipole in topological insulators. Journal of Physics Condensed Matter, 2015, 27, 422001.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Nonadiabatic bulk-surface oscillations in driven topological insulators. <i>Physical Review B</i> , 2016, 94, .	1.1	8
20	Terahertz radiation of jerk photocurrent. <i>Physical Review B</i> , 2020, 102, .	1.1	2
21	Fregoso, Muniz, and Sipe Reply. <i>Physical Review Letters</i> , 2021, 126, 259702.	2.9	1
22	Energy relaxation dynamics in a nodal-line semimetal. <i>Physical Review B</i> , 2022, 105, .	1.1	0