Benjamin M Fregoso

List of Publications by Year
in descending order

22	1,300	471061 17	676716 22
papers	citations	h-index	g-index

24	24	24	1627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy relaxation dynamics in a nodal-line semimetal. Physical Review B, 2022, 105, .	1.1	0
2	Colloquium : Physical properties of group-IV monochalcogenide monolayers. Reviews of Modern Physics, 2021, 93, .	16.4	87
3	Fregoso, Muniz, and Sipe Reply. Physical Review Letters, 2021, 126, 259702.	2.9	1
4	Terahertz radiation of jerk photocurrent. Physical Review B, 2020, 102, .	1.1	2
5	Bulk photovoltaic effects in the presence of a static electric field. Physical Review B, 2019, 100, .	1.1	43
6	Injection current in ferroelectric group-IV monochalcogenide monolayers. Physical Review B, 2019, 100, .	1.1	19
7	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
8	Jerk Current: A Novel Bulk Photovoltaic Effect. Physical Review Letters, 2018, 121, 176604.	2.9	19
9	Design principles for shift current photovoltaics. Nature Communications, 2017, 8, 14176.	5.8	219
10	Strong second harmonic generation in two-dimensional ferroelectric IV-monochalcogenides. Journal of Physics Condensed Matter, 2017, 29, 43LT01.	0.7	29
11	Quantitative relationship between polarization differences and the zone-averaged shift photocurrent. Physical Review B, 2017, 96, .	1.1	70
12	Large Bulk Photovoltaic Effect and Spontaneous Polarization of Single-Layer Monochalcogenides. Physical Review Letters, 2017, 119, 067402.	2.9	182
13	Structural Phase Transition and Material Properties of Few-Layer Monochalcogenides. Physical Review Letters, 2016, 117, 246802.	2.9	101
14	Nonadiabatic bulk-surface oscillations in driven topological insulators. Physical Review B, 2016, 94, .	1.1	8
15	Intrinsic surface dipole in topological insulators. Journal of Physics Condensed Matter, 2015, 27, 422001.	0.7	9
16	Gigantic Surface Lifetime of an Intrinsic Topological Insulator. Physical Review Letters, 2015, 115, 116801.	2.9	84
17	Magnetization Signatures of Light-Induced Quantum Hall Edge States. Physical Review Letters, 2015, 114, 246802.	2.9	37
18	Soft Superconducting Gap in Semiconductor Majorana Nanowires. Physical Review Letters, 2013, 110, 186803.	2.9	118

#	Article	IF	Citations
19	Driven electronic states at the surface of a topological insulator. Physical Review B, 2013, 88, .	1.1	84
20	Electrical detection of topological quantum phase transitions in disordered Majorana nanowires. Physical Review B, 2013, 88, .	1.1	25
21	Ferronematic Ground State of the Dilute Dipolar Fermi Gas. Physical Review Letters, 2009, 103, 205301.	2.9	72
22	Biaxial nematic phases in ultracold dipolar Fermi gases. New Journal of Physics, 2009, 11, 103003.	1.2	69