

Andrs Camilo Garca-Castro

List of Publications by Citations

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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.

27 papers	307 citations	11 h-index	17 g-index
29 ext. papers	388 ext. citations	5.1 avg, IF	3.43 L-index

#	Paper	IF	Citations
27	Geometric ferroelectricity in fluoroperovskites. <i>Physical Review B</i> , 2014 , 89,	3.3	48
26	Rationalizing and engineering Rashba spin-splitting in ferroelectric oxides. <i>Npj Quantum Materials</i> , 2019 , 4,	5	36
25	Prediction and control of spin polarization in a Weyl semimetallic phase of BiSb. <i>Physical Review B</i> , 2016 , 94,	3.3	31
24	Strain-Engineered Multiferroicity in Pnma NaMnF ₃ Fluoroperovskite. <i>Physical Review Letters</i> , 2016 , 116, 117202	7.4	29
23	Tailoring LaAlO ₃ /SrTiO ₃ Interface Metallicity by Oxygen Surface Adsorbates. <i>Nano Letters</i> , 2016 , 16, 2739-43	11.5	28
22	Spin texture induced by oxygen vacancies in strontium perovskite (001) surfaces: A theoretical comparison between SrTiO ₃ and SrHfO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	17
21	Room temperature ferroelectricity in fluoroperovskite thin films. <i>Scientific Reports</i> , 2017 , 7, 7182	4.9	17
20	First-principles study of vibrational and noncollinear magnetic properties of the perovskite to postperovskite pressure transition of NaMnF ₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	15
19	Charge Transfer to LaAlO ₃ /SrTiO ₃ Interfaces Controlled by Surface Water Adsorption and Proton Hopping. <i>Advanced Functional Materials</i> , 2016 , 26, 5453-5459	15.6	15
18	Multiferroic BaCoF ₄ in Thin Film Form: Ferroelectricity, Magnetic Ordering, and Strain. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2694-703	9.5	14
17	Direct Magnetization-Polarization Coupling in BaCuF ₄ . <i>Physical Review Letters</i> , 2018 , 121, 117601	7.4	12
16	Piezoelectric and ferroelectric response enhancement in multiferroic YCrO ₃ films by reduction in thickness. <i>Materials Letters</i> , 2014 , 114, 148-151	3.3	9
15	Anharmonic contribution to the stabilization of Mg(OH) from first principles. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17799-17808	3.6	6
14	Electrostatic potential and valence modulation in LaSrMnO thin films. <i>Scientific Reports</i> , 2018 , 8, 14313	4.9	6
13	Surface Recombination in Ultra-Fast Carrier Dynamics of Perovskite Oxide LaSrMnO Thin Films. <i>ACS Nano</i> , 2019 , 13, 3457-3465	16.7	5
12	Noncollinear magnetism in post-perovskites from first principles: Comparison between CaRhO ₃ and NaNiF ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 689-694	1.3	4
11	Engineering of Ferroic Orders in Thin Films by Anionic Substitution. <i>Advanced Functional Materials</i> , 2017 , 27, 1701135	13.6	4

10	Octahedral distortion and electronic properties of the antiperovskite oxide Ba ₃ SiO: First principles study. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 136, 109126	3.9	3
9	Unveiling the mechanisms behind the ferroelectric response in the Sr(Nb,Ta)ON oxynitrides. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 17142-17149	3.6	3
8	Incipient geometric lattice instability of cubic fluoroperovskites. <i>Physical Review B</i> , 2021 , 104,	3.3	2
7	Search for ferroelectricity in fluoroperovskites: comparison between LiNiF ₃ and NaNiF ₃ . <i>Journal of Physics: Conference Series</i> , 2019 , 1247, 012045	0.3	1
6	Oxyfluoride superlattices KTaO ₃ /KMF ₃ (M=Zn,Ni): Structural and electronic phenomena. <i>Physical Review B</i> , 2020 , 102,	3.3	1
5	DFT Study on Metamagnetics $\text{M}(\text{OH})_2$ (M = Mn, Fe, Co, Ni). <i>Journal of Physics: Conference Series</i> , 2019 , 1247, 012046	0.3	0
4	Hybrid-improper ferroelectric behavior in Ba ₃ SiO/Ba ₃ GeO oxide antiperovskite superlattices. <i>European Physical Journal B</i> , 2019 , 92, 1	1.2	0
3	Insights in the A- and B-site R^{2+} Radii Influence in the Polar Character of ABF ₄ . <i>Journal of Physics: Conference Series</i> , 2020 , 1541, 012012	0.3	0
2	Pressure-Induced Layered Structure in BaWO ₄ . <i>Journal of Physics: Conference Series</i> , 2020 , 1541, 012011	0.3	0
1	Temperature dependence of magnetic and magnetotransport properties in BiFeO ₃ thin films by pulsed laser deposition. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1636, 1		