Rolando Saniz

List of Publications by Year
in descending order

13	289	1163117 8	1058476 14
papers	citations	h-index	g-index

14	14	14	485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	van der Waals bonding and the quasiparticle band structure of SnO from first principles. Physical Review B, 2013, 87, .	3.2	55
2	First-principles analysis of the spectroscopic limited maximum efficiency of photovoltaic absorber layers for CuAu-like chalcogenides and silicon. Physical Chemistry Chemical Physics, 2016, 18, 20542-20549.	2.8	54
3	Native point defects in CuIn_{1â^'x}Ga_xSe₂: hybrid density functional calculations predict the origin of p- and n-type conductivity. Physical Chemistry Chemical Physics, 2014, 16, 22299-22308.	2.8	44
4	A simplified approach to the band gap correction of defect formation energies: Al, Ga, and In-doped ZnO. Journal of Physics and Chemistry of Solids, 2013, 74, 45-50.	4.0	38
5	Auger electron emission initiated by the creation of valence-band holes in graphene by positron annihilation. Nature Communications, 2017, 8, 16116.	12.8	25
6	Structural and electronic properties of defects at grain boundaries in CuInSe₂. Physical Chemistry Chemical Physics, 2017, 19, 14770-14780.	2.8	16
7	Positron surface state as a spectroscopic probe for characterizing surfaces of topological insulator materials. Physical Review B, 2016, 94, .	3.2	15
8	Sulfur-alloyed Cr₂O₃: a new p-type transparent conducting oxide host. RSC Advances, 2017, 7, 4453-4459.	3.6	9
9	Application of the weighted-density approximation to the accurate description of electron-positron correlation effects in materials. Physical Review B, 2017, 96, .	3.2	7
10	Nature of the Positron State in CdSe Quantum Dots. Physical Review Letters, 2018, 121, 057401.	7.8	7
11	Charge Localization and Magnetic Correlations in the Refined Structure of U₃O₇. Inorganic Chemistry, 2021, 60, 10550-10564.	4.0	6
12	First-principles study of carbon impurities in CuInSe2 and CuGaSe2, present in non-vacuum synthesis methods. Journal of Applied Physics, 2015, 117, 015104.	2.5	5
13	First-principles study of defects at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e125" altimg="si6.svg"><mml:mrow><mml:mi>Î£</mml:mi><mml:mn>3</mml:mn></mml:mrow></mml:math> grain boundaries in CuGaSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e133" altimg="si24.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Solid State Communicati	1.9	3