SinhuÃ© LÃ³pez-Moreno

List of Publications by Year
in descending order

37 papers	1,222 citations	361045 20 h-index	360668 35 g-index
37 all docs	37 docs citations	37 times ranked	1396 citing authors

#	Article	IF	Citations
1	The electronic structure of zircon-type orthovanadates: Effects of high-pressure and cation substitution. Journal of Applied Physics, 2011, 110, .	1.1	151
2	Pressure effects on the electronic and optical properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>WO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
19	First-principles study of pressure-induced structural phase transitions in MnF₂. Physical Chemistry Chemical Physics, 2016, 18, 33250-33263.	1.3	24
20	Phase transition systematics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiVO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> by means of high-pressureâ€“high-temperature Raman experiments. Physical Review B, 2018, 98, .	1.1	24
21	On the Control Parameters of the Quasiâ€One Dimensional Superconductivity in Sc₃CoC₄. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1985-1995.	0.6	19
22	Precise Characterization of the Rich Structural Landscape Induced by Pressure in Multifunctional FeVO₄. Inorganic Chemistry, 2020, 59, 6623-6630.	1.9	19
23	First-principles description of atomic gold chains on Ge(001). Physical Review B, 2010, 81, .	1.1	17
24	High-pressure characterization of multifunctional CrVO₄. Journal of Physics Condensed Matter, 2020, 32, 385403.	0.7	12
25	Ab initiocalculations of the wolframite MnWO₄under high pressure. High Pressure Research, 2009, 29, 578-581.	0.4	11
26	Pressure control of magnetic clusters in strongly inhomogeneous ferromagnetic chalcopyrites. Scientific Reports, 2015, 5, 7720.	1.6	11
27	First-principles study of elastic and thermal properties of scheelite-type molybdates and tungstates. Materials Today Communications, 2020, 24, 101089.	0.9	11
28	Structural, electronic, vibrational, and elastic properties of SWCNTs doped with B and N: an ab initio study. European Physical Journal D, 2013, 67, 1.	0.6	10
29	Changes in the magnetization hysteresis direction and structure-driven magnetoresistance of a chalcopyrite-based magnetic semiconductor. Journal Physics D: Applied Physics, 2016, 49, 125007.	1.3	10
30	Anharmonic contribution to the stabilization of Mg(OH)2 from first principles. Physical Chemistry Chemical Physics, 2018, 20, 17799-17808.	1.3	10
31	Ab initiostudy of the high-pressure phases and dynamical properties of ZnAl₂O₄and ZnGa₂O₄. High Pressure Research, 2009, 29, 573-577.	0.4	9
32	Physical properties of quasi-one-dimensional MgO and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>-based nanostructures. Physical Review B, 2014, 90, .	1.1	9
33	Fe/Ni core/shell nanowires and nanorods: a combined first-principles and atomistic simulation study. Physical Chemistry Chemical Physics, 2017, 19, 16267-16275.	1.3	7
34	First-principles study of Ni adatom migration on graphene with vacancies. RSC Advances, 2019, 9, 18823-18834.	1.7	7
35	Complex magnetic states in Ni/Fe bi-segmented nanorods. Physica Status Solidi - Rapid Research Letters, 2015, 9, 740-744.	1.2	4
36	Energetics and the magnetic state of Mn2 adsorbed on Au(111): Dimer bond distance dependence. Journal of Magnetism and Magnetic Materials, 2016, 403, 172-180.	1.0	4

#	Article	IF	Citations
37	First-principles study of Mn₃ adsorbed on Au(111) and Cu(111) surfaces. RSC Advances, 2021, 11, 31073-31083.	1.7	3