Pablo D Borges

List of Publications by Year
in descending order

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28 papers	449 citations	1039880 9 h-index	752573 20 g-index
28 all docs	28 docs citations	28 times ranked	675 citing authors

#	Article	IF	Citations
1	Theoretical and experimental study of effects of Co2+ doping on structural and electronic properties of ZnO. Journal of Physics and Chemistry of Solids, 2021, , 110501.	1.9	5
2	Evaluation of Ni doping for promoting favorable electronic structures in CuCrO2 and AgCrO2 from a first-principles perspective. Ceramics International, 2020, 46, 26777-26783.	2.3	4
3	Ab initio study of Pr1-xSrxCrO3-Î´ cubic perovskites: Solid oxide fuel cells applications. Journal of Solid State Chemistry, 2020, 290, 121581.	1.4	5
4	Effects of vacancies and p-doping on the optoelectronic properties of Cu- and Ag-based transparent conducting oxides. Journal of Applied Physics, 2019, 126, .	1.1	8
5	Symmetry considerations on band filling and first optical transition in NiO. European Physical Journal B, 2019, 92, 1.	0.6	1
6	Structural and Electronic Properties of Iron-Doped Sodium Montmorillonite Clays: A First-Principles DFT Study. ACS Omega, 2019, 4, 14369-14377.	1.6	10
7	Structural stability and electronic properties of XTO2 (X= Cu, Ag; T=Al, Cr): An ab initio study including X vacancies and Mg doping. Solid State Sciences, 2019, 88, 48-56.	1.5	15
8	Adsorption of Dicamba herbicide onto a carbon replica obtained from a layered double hydroxide. Dalton Transactions, 2018, 47, 3119-3127.	1.6	10
9	A First Principles Study on the Electronic, Optical and Hole Effective Mass Properties of Mg-Doped CuAlO2 and AgAlO2. MRS Advances, 2018, 3, 3315-3321.	0.5	4
10	Electronic and optical properties of antiferromagnetic iron doped NiO â€“ A first principles study. AIP Advances, 2017, 7, .	0.6	12
11	Adsorption of Acid Yellow 42 dye on calcined layered double hydroxide: Effect of time, concentration, pH and temperature. Applied Clay Science, 2017, 140, 132-139.	2.6	113
12	Ab initio study of oxygen vacancy effects on electronic and optical properties of NiO. MRS Advances, 2016, 1, 2617-2622.	0.5	9
13	Native defects as sources of optical transitions in MgAl₂O₄spinel. Materials Research Express, 2016, 3, 076202.	0.8	27
14	Ab initio study of thermoelectric properties of doped SnO2 superlattices. Journal of Solid State Chemistry, 2015, 231, 123-131.	1.4	5
15	Thermoelectric properties of IVâ€“VI-based heterostructures and superlattices. Journal of Solid State Chemistry, 2015, 227, 123-131.	1.4	8
16	Complex centers of hydrogen in tin dioxide. Theoretical Chemistry Accounts, 2015, 134, 1.	0.5	5
17	Electronic and thermoelectric properties of InN studied using ab initio density functional theory and Boltzmann transport calculations. Journal of Applied Physics, 2014, 116, 223706.	1.1	8
18	Structural, electronic, vibrational and dielectric properties of selected high-shape K semiconductor oxides. Journal Physics D: Applied Physics, 2014, 47, 413001.	1.3	5

#	Article	IF	Citations
19	Lattice contribution to the high dielectric constant of PbTe. Physical Review B, 2013, 87, .	1.1	19
20	Theoretical study of the influence of vacancies in the magnetic stability of V-, Cr-, and Mn-doped SnO2. Applied Surface Science, 2013, 267, 115-118.	3.1	7
21	Study of the oxygen vacancy influence on magnetic properties of Fe- and Co-doped SnO2 diluted alloys. Nanoscale Research Letters, 2012, 7, 540.	3.1	14
22	Magnetic and electronic properties of Sn1â€“xCrxO2 diluted alloys. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1378-1381.	1.7	6
23	Electronic and magnetic properties of SnO2/CrO2 thin superlattices. Nanoscale Research Letters, 2011, 6, 146.	3.1	8
24	Electronic structure and dielectric properties calculations of pure tin dioxide and of vacancies in tin dioxide. AIP Conference Proceedings, 2010, , .	0.3	5
25	DFT study of the electronic, vibrational, and optical properties of SnO2. Theoretical Chemistry Accounts, 2010, 126, 39-44.	0.5	100
26	Electronic, vibrational and related properties of group IV metal oxides by ab initio calculations. Applied Surface Science, 2008, 255, 752-754.	3.1	5
27	Optical Properties and Carrier Effective Masses of Rutile SnO2 as Obtained from Full Relativistic Ab Initio Calculations. AIP Conference Proceedings, 2007, , .	0.3	7
28	Moderately and strongly supercooled liquids: A temperature-derivative study of the primary relaxation time scale. Journal of Chemical Physics, 2005, 122, 114510.	1.2	24