

# Adilmo Lima

## List of Publications by Year in descending order

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39  
papers

413  
citations

759233

12  
h-index

839539

18  
g-index

39  
all docs

39  
docs citations

39  
times ranked

414  
citing authors



#	ARTICLE	IF	CITATIONS
19	Theoretical analysis of optical characteristics of the alpha spodumene in ultraviolet region. <i>Optical Materials</i> , 2009, 31, 1478-1482.	3.6	9
20	First-principles study of the Bi <sub>M</sub> O <sub>4</sub> antisite defect in the Bi <sub>12</sub> MO <sub>20</sub> (M=Si, Ge, Ti) sillenite compounds. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 495505.	1.8	9
21	Optical absorption spectrum and electronic structure of multiferroic hexagonal YMnO <sub>3</sub> compound. <i>Optical Materials</i> , 2017, 64, 406-412.	3.6	9
22	Atomistic simulation of trivalent ions doped in the hexagonal LuMnO <sub>3</sub> ferroelectric phase. <i>Journal of Alloys and Compounds</i> , 2016, 689, 977-982.	5.5	8
23	First-principles study of structural, electronic, energetic and optical properties of substitutional Cu defect in Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> scintillator. <i>Journal of Alloys and Compounds</i> , 2018, 735, 756-764.	5.5	8
24	New insights into the electronic and optical properties of the Bi <sub>4</sub> M <sub>3</sub> O <sub>12</sub> (M= Si or Ge) scintillators. <i>Optical Materials</i> , 2017, 73, 642-646.	3.6	6
25	Non-collinear spin DFT study of the ground state magnetic structure, optical and electronic properties of the hexagonal LuFeO <sub>3</sub> multiferroic. <i>Journal of Alloys and Compounds</i> , 2020, 813, 152227.	5.5	6
26	Thermoluminescent properties studies of spodumene lilac sample to dosimetric applications. <i>Journal of Physics: Conference Series</i> , 2010, 249, 012013.	0.4	5
27	The structural, magnetic and electronic properties of the ground state of the hexagonal LuMnO <sub>3</sub> multiferroic. <i>Physica Scripta</i> , 2020, 95, 085801.	2.5	5
28	Analysis of Orbital Hybridization in the Magnetoelectric $\text{YMnO}_3$ Crystal From First Principles Calculations. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4687-4690.	2.1	4
29	Structural, electronic and optical characterization of substitutional Ag defect in Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> scintillator. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 146, 109615.	4.0	4
30	Electronic and optical properties of multifunctional R <sub>3</sub> c AFeO <sub>3</sub> (A = Sc or In) compounds: Insights into their potential for photovoltaic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 160, 110346.	4.0	4
31	Comparative study of magnetic and electronic properties of room-temperature polar magnets ScFeO <sub>3</sub> and InFeO <sub>3</sub> . <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25846.	2.0	2
32	Exchange interactions in hexagonal YMnO <sub>3</sub> and LuMnO <sub>3</sub> multiferroic compounds. <i>Journal of Solid State Chemistry</i> , 2021, 299, 122175.	2.9	2
33	Ab initio study of the phonon and thermodynamic properties of the scheelite MWO <sub>4</sub> (M = Ba, Sr or Ca) compounds. <i>Solid State Communications</i> , 2021, 333, 114290.	1.9	2
34	Optical properties of alpha spodumene: Orientation of its principal optical axes. <i>Journal of Physics: Conference Series</i> , 2009, 167, 012066.	0.4	1
35	Structural, electronic, and optical aspects of Cr doping of the Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> : An ab initio study. <i>Journal of Applied Physics</i> , 2010, 108, 083713.	2.5	1
36	Effects of transition metal impurities in alpha alumina: a theoretical study. <i>Journal of Physics: Conference Series</i> , 2010, 249, 012036.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Electronic, optical, and photocatalytic properties of the wolframite InNbO <sub>4</sub> and InTaO <sub>4</sub> compounds. <i>Optical Materials</i> , 2022, 123, 111781.	3.6	1
38	Magnetic and electronic properties of the RECu <sub>4</sub> Al <sub>8</sub> (RE = Tb, Dy, Ho, and Er) intermetallic compounds. <i>Intermetallics</i> , 2022, 143, 107474.	3.9	1
39	First principles study of electronic and optical properties of the chromium doped BGO crystal. <i>Journal of Physics: Conference Series</i> , 2010, 249, 012035.	0.4	0