

A L J Pereira

List of Publications by Year in descending order

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34
papers

671
citations

471371

17
h-index

552653

26
g-index

35
all docs

35
docs citations

35
times ranked

1085
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and vibrational study of cubic Sb_2O_3 under high pressure. <i>Physical Review B</i> , 2012, 85, .	1.1	71
2	Oscillations studied with the smartphone ambient light sensor. <i>European Journal of Physics</i> , 2013, 34, 1349-1354.	0.3	62
3	Isostructural Second-Order Phase Transition of $\hat{I}^2-Bi_2O_3$ at High Pressures: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23189-23201.	1.5	59
4	Experimental and Theoretical Study of Bi_2O_2Se Under Compression. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8853-8867.	1.5	46
5	Structural study of $\hat{I}^\pm-Bi_2O_3$ under pressure. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 475402.	0.7	42
6	Characterization and Decomposition of the Natural van der Waals $SnSb_2Te_4$ under Compression. <i>Inorganic Chemistry</i> , 2020, 59, 9900-9918.	1.9	31
7	Ordered helium trapping and bonding in compressed arsenolite: Synthesis of A_sB_6 . <i>Physical Review B</i> , 2016, 93, .	1.1	29
8	Enhancement of optical absorption by modulation of the oxygen flow of TiO_2 films deposited by reactive sputtering. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	28
9	Structural and Electronic Effects of Incorporating Mn in TiO_2 Films Grown by Sputtering: Anatase versus Rutile. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8753-8762.	1.5	28
10	Structural and electrical study of the topological insulator $SnBi_2Te_4$ at high pressure. <i>Journal of Alloys and Compounds</i> , 2016, 685, 962-970.	2.8	28
11	<i>Pbca</i> -Type In_2O_3 : The High-Pressure Post-Corundum phase at Room Temperature.. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20545-20552.	1.5	27
12	Structural, vibrational, and electrical study of compressed $BiTeBr$. <i>Physical Review B</i> , 2016, 93, .	1.1	25
13	Black TiO_2 Thin Films Production Using Hollow Cathode Hydrogen Plasma Treatment: Synthesis, Material Characteristics and Photocatalytic Activity. <i>Catalysts</i> , 2020, 10, 282.	1.6	25
14	Compressibility Systematics of Calcite-Type Borates: An Experimental and Theoretical Structural Study on ABO_3 (A = Al, Sc, Fe, and In). <i>Journal of Physical Chemistry C</i> , 2014, 118, 4354-4361.	1.5	22
15	Pressure effects on the vibrational properties of $\hat{I}^\pm-Bi_2O_3$: an experimental and theoretical study. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 225401.	0.7	21
16	Pressure-Induced Phase Transitions in Sesquioxides. <i>Crystals</i> , 2019, 9, 630.	1.0	21
17	Nanocrystalline $Ga_{1-x}Mn_xN$ films grown by reactive sputtering. <i>Journal of Crystal Growth</i> , 2006, 294, 309-314.	0.7	19
18	$B\hat{I}^2$ under compression: Optical and elastic properties and electron density topology analysis. <i>Physical Review B</i> ,	1.1	16

#	ARTICLE	IF	CITATIONS
19	Experimental and Theoretical Study of SbPO ₄ under Compression. Inorganic Chemistry, 2020, 59, 287-307.	1.9	14
20	Disorder effects produced by the Mn and H incorporations on the optical absorption edge of Ga _{1-x} Mn _x As:H nanocrystalline films. Journal of Non-Crystalline Solids, 2008, 354, 5372-5377.	1.5	8
21	Nanocrystalline GaN and GaN: H films grown by RF-magnetron sputtering. Brazilian Journal of Physics, 2006, 36, 978-981.	0.7	7
22	Structural and Vibrational Study of Pseudocubic CdIn ₂ Se ₄ under Compression. Journal of Physical Chemistry C, 2014, 118, 26987-26999.	1.5	7
23	Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of β -Sb ₂ O ₃ . Dalton Transactions, 2021, 50, 5493-5505.	1.6	7
24	Crystal Structure of Sinhalite MgAlBO ₄ under High Pressure. Journal of Physical Chemistry C, 2015, 119, 6777-6784.	1.5	5
25	Influence of substrate on the structure of predominantly anatase TiO ₂ films grown by reactive sputtering. RSC Advances, 2018, 8, 7062-7071.	1.7	5
26	Multilayered $\text{TiO}_2/\text{TiO}_2^x/\text{TiO}_2$ films deposited by reactive sputtering for photocatalytic applications. Journal of Materials Research, 2021, 36, 3096-3108.	1.2	5
27	Storage moduli, loss moduli and damping factor of GaAs and Ga _{1-x} Mn _x As thin films using DMA 2980. Materials Science in Semiconductor Processing, 2014, 20, 23-26.	1.9	3
28	Structural and optical properties of Ta ₂ O ₅ :Eu ³⁺ : Mg ²⁺ or Ca ²⁺ phosphor prepared by molten salt method. AIP Conference Proceedings, 2016, , .	0.3	3
29	Theoretical study of the influence of salt doping in the functioning of OLEDs. Journal of Materials Chemistry, 2010, 20, 9470.	6.7	2
30	Magnetic characteristics of nanocrystalline GaMnN films deposited by reactive sputtering. Solid State Sciences, 2013, 17, 97-101.	1.5	2
31	Electrical transport mechanisms and structure of hydrogenated and non-hydrogenated nanocrystalline Ga _{1-x} Mn _x As films. Journal of Alloys and Compounds, 2015, 630, 78-83.	2.8	2
32	Local and Global Magnetic Properties of Zn _{1-x} Co _x O and Mn-Doped GaAs Thin Films. IEEE Transactions on Magnetics, 2006, 42, 2700-2702.	1.2	1
33	Local and Global Magnetic properties of Zn _{1-x} CoxO, ZnCo ₂ O ₄ and Mn-doped GaAs thin films. , 2006, , .		0
34	Young's modulus and creep compliance of GaAs and Ga _{1-x} Mn _x As ferromagnetic thin films under thermal stress at varied manganese doping levels. Materials Science-Poland, 2015, 33, 340-347.	0.4	0