Victor Pardo

List of Publications by Year in descending order

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86 papers	2,603 citations	249298 26 h-index	223390 49 g-index
88 all docs	88 docs citations	88 times ranked	3939 citing authors

#	Article	IF	Citations
1	Low Valence Nickelates: Launching the Nickel Age of Superconductivity. Frontiers in Physics, 2022, 9, .	1.0	13
2	Increasing the number of topological nodal lines in semimetals via uniaxial pressure. Scientific Reports, 2021, 11, 10574.	1.6	0
3	Synthesis, engineering, and theory of 2D van der Waals magnets. Applied Physics Reviews, 2021, 8, .	5.5	41
4	Tuning Coherent-Phonon Heat Transport in LaCoO₃/SrTiO₃ Superlattices. Journal of Physical Chemistry Letters, 2021, 12, 11878-11885.	2.1	5
5	Controlled Two-Dimensional Ferromagnetism in 1Tâ€“CrTe₂: The Role of Charge Density Wave and Strain. Journal of Physical Chemistry C, 2020, 124, 21047-21053.	1.5	29
6	Electronic structure and magnetic exchange interactions of Cr-based van der Waals ferromagnets. A comparative study between CrBr3 and Cr2Ge2Te6. Journal of Materials Chemistry C, 2020, 8, 13582-13589.	2.7	13
7	Effects of Sr doping on the electronic and spin-state properties of infinite-layer nickelates: Nature of holes. Physical Review B, 2020, 102, .	1.1	26
8	Understanding the lattice thermal conductivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m from an ab initio perspective. Physical Review Materials, 2020, 4, .	0.9	11
9	Absence of Ferromagnetism in VSe₂ Caused by Its Charge Density Wave Phase. Journal of Physical Chemistry C, 2019, 123, 27802-27810.	1.5	88
10	Apparent auxetic to non-auxetic crossover driven by Co2+ redistribution in CoFe2O4 thin films. APL Materials, 2019, 7, .	2.2	11
11	Addendum: Fermiology and electron dynamics of trilayer nickelate La4Ni3O10. Nature Communications, 2018, 9, 1952.	5.8	0
12	All- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:math> Electron-Hole Bilayers in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>CrN</mml:mi><mml:mo>/</mml:mo><mml:mi>MgO</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>111</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 282 Td (stretchy="false">)</mn	1.5	14
13	Large orbital polarization in a metallic square-planar nickelate. Nature Physics, 2017, 13, 864-869.	6.5	135
14	Ab initiostudy of the strain dependence of thermopower in electron-doped SrTiO₃. Journal of Physics Condensed Matter, 2017, 29, 065501.	0.7	0
15	Fermiology and electron dynamics of trilayer nickelate La4Ni3O10. Nature Communications, 2017, 8, 704.	5.8	26
16	Electron doped layered nickelates: Spanning the phase diagram of the cuprates. Physical Review Materials, 2017, 1, .	0.9	37
17	Ferromagnetic and insulating behavior of LaCoO3 films grown on a (001) SrTiO3 substrate: A simple ionic picture explained ab initio. Physical Review Materials, 2017, 1, .	0.9	3
18	Quantum spin Hall effect in rutile-based oxide multilayers. Physical Review B, 2016, 94, .	1.1	11

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19	Analysis of the temperature dependence of the thermal conductivity of insulating single crystal oxides. APL Materials, 2016, 4, 104815.	2.2	51
20	Efficient thermoelectric materials using nonmagnetic double perovskites with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>d</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>d</mml:mi><mml:mn>6</mml:mn></mml:msup></mml:m filling. Physical Review B, 2016, 94, .	1.1	22
21	Charge ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mr xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:m Physical Review B, 2016, 94, .	1.1	40
22	Nitride multilayers as a platform for parallel two-dimensional electron-hole gases: MgO/ScN(111). Physical Review B, 2016, 93, .	1.1	6
23	Dirac topological insulator in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>d</mml:mi><mml:msup><mml:mi>z</mml:mi> of a honeycomb oxide. Physical Review B, 2016, 94, .	1.1	1
24	Ab initiostudy of nontrivial topological phases in corundum-structured<mml:math		

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37	Linear bands, zero-momentum Weyl semimetal, and topological transition in skutterudite-structure pnictides. Physical Review B, 2012, 85, .	1.1	23
38	Enhanced thermoelectric response of hole-doped La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>NiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:math>fromab initiocalculations. Physical Review B, 2012, 86, .	1.1	13
39	Ab initiostudy of the influence of nanoscale doping inhomogeneities in the phase separated state of La_{1â^'x}Ca_xMnO₃. Journal of Physics Condensed Matter, 2012, 24, 275503.	0.7	0
40	Heteroepitaxial growth of MgO(111) thin films on Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(0001): Evidence of a wurtzite to rocksalt transformation. Physical Review B, 2012, 86, .	1.1	15
41	Heteroepitaxial growth of MgO(111) thin films on Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(0001): Evidence of a wurtzite to rocksalt transformation. Physical Review B, 2012, 86, .	1.1	26
42	Effects of applied pressure in ZnV2 O4 and evidences for a dimerized structure. Journal of Applied Physics, 2011, 109, 07E158.	1.1	0
43	Electronic structure analysis of the quasi-one-dimensional oxide Sr6Co5O15 within the LDA+U method. Journal of Applied Physics, 2011, 109, 07E114.	1.1	3
44	Dielectric properties and magnetostriction of the collinear multiferroic spinel CdV<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	1.1	73
45	Dirac Point Degenerate with Massive Bands at a Topological Quantum Critical Point. Physical Review Letters, 2011, 106, 056401.	2.9	44
46	Electronic structure of V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>7</mml:mn></mml:msub></mml:math>: Charge ordering, metal-insulator transition, and magnetism. Physical Review B, 2011, 84, .	1.1	17
47	Dirac Point Degenerate with Massive Bands at a Topological Quantum Critical Point. Physical Review Letters, 2011, 106, 056401.	1.1	49
48	Evaluation of compensated magnetism in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>VCuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>: Exploration of charge states. Physical Review B, 2011, 84, .	1.1	9
49	Electron confinement, orbital ordering, and orbital moments in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi>d</mml:mi><mml:mn>0</mml:mn></mml:msup><mml:mtext>â^'</mml:mtext></mml:mrow></mml:math>heterostructures. Physical Review B, 2010, 81, .	1.1	25
50	High-pressure magnetic and structural properties of TiOX (X=Cl, Br). Journal of Magnetism and Magnetic Materials, 2010, 322, 1069-1071.	1.0	2
51	Study of the pressure effects in TiOCl by ab initio calculations. Journal of Magnetism and Magnetic Materials, 2010, 322, 1072-1075.	1.0	0
52	Influence of the Ca²⁺ inhomogeneity distribution in the physical properties of La_{0.625}Ca_{0.375}MnO₃. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2620-2623.	0.8	1
53	Questionable collapse of the bulk modulus in CrN. Nature Materials, 2010, 9, 284-284.	13.3	2
54	Quantum Confinement Induced Molecular Correlated Insulating State in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi>Ni</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2010, 105, 266402.	2.9	47

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55	Metal-insulator transition through a semi-Dirac point in oxide nanostructures:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>VO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> layers confined within<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 81, .	1.1	54
56	Fermiology and magnetism in weak itinerant ferromagnet CoS₂: anab initiostudy. Journal of Physics Condensed Matter, 2010, 22, 505602.	0.7	13
57	Half-Metallic Semi-Dirac-Point Generated by Quantum Confinement in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:msub><mml:mi> Physical Review Letters, 2009, 102, 166803.	2.9	213
58	Reduction of the bulk modulus at high pressureÂinÂCrN. Nature Materials, 2009, 8, 947-951.	13.3	154
59	Electronic structure of dimerized spinel ZnV2O4. Journal of Magnetism and Magnetic Materials, 2009, 321, 679-681.	1.0	3
60	Enhanced Dimerization of TiOCl under Pressure: Spin-Peierls to Peierls Transition. Physical Review Letters, 2009, 102, 056406.	2.9	23
61	Compensated magnetism by design in double perovskite oxides. Physical Review B, 2009, 80, .	1.1	82
62	Tight-Binding Modeling and Low-Energy Behavior of the Semi-Dirac Point. Physical Review Letters, 2009, 103, 016402.	2.9	165
63	Pressure-induced metalâ€“insulator transition in. Physica B: Condensed Matter, 2008, 403, 1639-1641.	1.3	13
64	Electronic structure of the antiferromagnetic phase of. Physica B: Condensed Matter, 2008, 403, 1636-1638.	1.3	13
65	Magnetism driven by anion vacancies in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:msub><mml:mrow><mml:mtext>-FeSe</mml:mtext></mml:mrow></mml:mrow> Physical Review B, 2008, 78, .	1.1	95
66	Homopolar Bond Formation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>ZnV</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>Close to a Metal-Insulator Transition. Physical Review Letters, 2008, 101, 256403.	2.9	60
67	Magnetism from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>p</mml:mi></mml:mrow></mml:math>states in alkaline earth monoxides: Trends with varying N impurity concentration. Physical Review B, 2008, 78, .	1.1	77
68	Crystallographic and magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrCoO</mml:mtext></mml:mrow><mml:mrow><mml:mn>2.5</mml:mn></mml:mrow> Neutron study coupled with band-structure calculations. Physical Review B, 2008, 78, .	1.1	162
69	Effect of spin fluctuations on the thermodynamic and transport properties of the itinerant ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CoS</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2008, 78, .	1.1	24
70	Ising-type behavior in the antiferromagnetic phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ba</mml:mi><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>from Physical Review B, 2007, 76, .	1.1	9
71	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>A</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup><mml:mo stretchy="false">[</mml:mo><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">]	2.9	62
72	Ferromagnetic clusters in polycrystalline BaCoO3. Journal of Magnetism and Magnetic Materials, 2007, 316, e670-e673.	1.0	15

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73	Ising-type anisotropy and spin state transitions in from first-principles calculations. Journal of Magnetism and Magnetic Materials, 2007, 316, e656-e658.	1.0	0
74	First principle calculations of charge ordering in manganites. Journal of Magnetism and Magnetic Materials, 2007, 316, e734-e737.	1.0	3
75	Dynamic magnetic behavior ofBaCoO3quasi-one-dimensional perovskite. Physical Review B, 2006, 74, .	1.1	18
76	Possible non-collinear magnetic configurations in BaCoO3. Physica B: Condensed Matter, 2006, 378-380, 556-557.	1.3	2
77	Orbital and magnetic structure of quasi-1D cobaltites: Ab initio calculations and experiment. Journal of Magnetism and Magnetic Materials, 2006, 300, 48-52.	1.0	3
78	First-principles study of the spin-state transitions inGdBaCo2O5.5. Physical Review B, 2006, 73, .	1.1	19
79	Bandstructure study of magnetic and orbital order in <mml:math altimg="si5.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	1.0	2
80	Influence of interfacial scattering and surface roughness on giant magnetoresistance in Fe/Cr trilayers using ab initio layer potentials. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 392-395.	1.0	3
81	Ab initio electronic structure of rare earth orthoferrites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 396-399.	1.0	19
82	Effects of Sr doping on the magnetic properties of SrxBa1â^'xCoO3. Applied Physics Letters, 2005, 86, 202507.	1.5	7
83	Evidence for magnetic clusters inBaCoO3. Physical Review B, 2004, 70, .	1.1	25
84	Magnetic structure and orbital ordering inBaCoO3from first-principles calculations. Physical Review B, 2004, 70, .	1.1	33
85	Geometry optimization and electronic structure of BaCoO3. Solid State Communications, 2003, 128, 101-106.	0.9	13
86	Possible spin configurations and magnetism inBaCoO3perovskite. International Journal of Quantum Chemistry, 2003, 91, 252-256.	1.0	9