

Adriana Moreo

List of Publications by Year in descending order

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84
papers

8,361
citations

147566

31
h-index

58464

82
g-index

84
all docs

84
docs citations

84
times ranked

5269
citing authors

#	ARTICLE	IF	CITATIONS
1	Colossal magnetoresistant materials: the key role of phase separation. Physics Reports, 2001, 344, 1-153.	10.3	3,346
2	Phase Separation Scenario for Manganese Oxides and Related Materials. Science, 1999, 283, 2034-2040.	6.0	1,259
3	Phase Separation in Electronic Models for Manganites. Physical Review Letters, 1998, 80, 845-848.	2.9	486
4	Pairing and spin gap in the normal state of short coherence length superconductors. Physical Review Letters, 1992, 69, 2001-2004.	2.9	314
5	Phase diagram of the two-dimensional negative-U Hubbard model. Physical Review Letters, 1989, 62, 1407-1410.	2.9	251
6	Resistivity of Mixed-Phase Manganites. Physical Review Letters, 2001, 86, 135-138.	2.9	241
7	Two-dimensional negative-U Hubbard model. Physical Review Letters, 1991, 66, 946-948.	2.9	190
8	Three orbital model for the iron-based superconductors. Physical Review B, 2010, 81, .	1.1	177
9	Model for the Magnetic Order and Pairing Channels in Fe Pnictide Superconductors. Physical Review Letters, 2008, 101, 237004.	2.9	127
10	Superconductivity near phase separation in models of correlated electrons. Physical Review B, 1994, 49, 3548-3565.	1.1	117
11	Properties of a two-orbital model for oxypnictide superconductors: Magnetic order, B _{2g} spin-singlet pairing channel, and its nodal structure. Physical Review B, 2009, 79, .	1.1	111
12	Theoretical study of half-doped models for manganites: Fragility of CE phase with disorder, two types of colossal magnetoresistance, and charge-ordered states for electron-doped materials. Physical Review B, 2003, 68, .	1.1	105
13	Areas of superconductivity and giant proximity effects in underdoped cuprates. Physical Review B, 2005, 71, .	1.1	87
14	RPA analysis of a two-orbital model for the BiS ₂ -based superconductors. Physical Review B, 2013, 87, .	1.1	75
15	Critical Behavior of the S=3/2 Antiferromagnetic Heisenberg Chain. Physical Review Letters, 1996, 76, 4955-4958.	2.9	74
16	Neutron and ARPES constraints on the couplings of the multiorbital Hubbard model for the iron pnictides. Physical Review B, 2010, 82, .	1.1	65
17	Magnetic and metallic state at intermediate Hubbard U coupling in multiorbital models for undoped iron pnictides. Physical Review B, 2010, 82, .	1.1	62
18	MagnetoElectric coupling at the interface of BiFeO ₃ /LaMnO ₃ . Physical Review B, 2011, 84, .	1.1	59

#	ARTICLE	IF	CITATIONS
19	Excited states of the two-leg ladder alkali metal iron selenides $A\text{Fe}_2\text{Se}_2$. Physical Review Letters, 2014, 112, 106405.	1.1	58
20	Exotic Magnetic Order in the Orbital-Selective Mott Regime of Multiorbital Systems. Physical Review Letters, 2014, 112, 106405.	2.9	58
21	Orbital-weight redistribution triggered by spin order in the pnictides. Physical Review B, 2010, 81, .	1.1	55
22	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. Physical Review Letters, 2019, 123, 067601.	2.9	52
23	Spin Dynamics of Hole Doped $\text{Y}_2\text{xCaxBaNiO}_5$. Physical Review Letters, 1996, 76, 1731-1734.	2.9	44
24	$d_x^2 - y^2$ superconductivity in a model of correlated fermions. Physical Review B, 1996, 54, R768-R771.	1.1	42
25	Similarities and differences between nickelate and cuprate films grown on a SrTiO_3 substrate. Physical Review B, 2020, 102, .	1.1	39
26	Spin dynamics of the block orbital-selective Mott phase. Nature Communications, 2018, 9, 3736.	5.8	36
27	First-principles study of the low-temperature charge density wave phase in the quasi-one-dimensional Weyl chiral compound TaSe_3 . Physical Review B, 2020, 101, .	1.1	36
28	Cold Attractive Spin Polarized Fermi Lattice Gases and the Doped Positive U Hubbard Model. Physical Review Letters, 2007, 98, 216402.	2.9	35
29	Magnetic properties and pairing tendencies of the iron-based superconducting ladder BaFe_2S_3 . Physical Review B, 2016, 94, .	1.1	35
30	Fingerprints of an orbital-selective Mott phase in the block magnetic state of BaFe_2Se_3 ladders. Communications Physics, 2019, 2, .	2.0	34
31	Novel Magnetic Block States in Low-Dimensional Iron-Based Superconductors. Physical Review Letters, 2019, 123, 027203.	2.9	31
32	Designing Magnetism in High Entropy Oxides. Advanced Science, 2022, 9, e2200391.	5.6	28
33	Testing the Monte Carlo "mean field approximation in the one-band Hubbard model. Physical Review B, 2014, 90, .	1.1	27
34	Fermi surface and spectral functions of a hole-doped spin-fermion model for cuprates. Physical Review B, 2001, 63, .	1.1	26
35	Block "spiral magnetism: An exotic type of frustrated order. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16226-16233.	3.3	25
36	Pairing tendencies in a two-orbital Hubbard model in one dimension. Physical Review B, 2017, 96, .	1.1	24

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37	Quasi-one-dimensional ferroelectricity and piezoelectricity in WO_xX halogens. Physical Review Materials, 2019, 3, .	2.9	24
38	Non-Fermi Liquid Behavior and Continuously Tunable Resistivity Exponents in the Anderson-Hubbard Model at Finite Temperature. Physical Review Letters, 2017, 119, 086601.	2.9	23
39	Quantum phase transition between orbital-selective Mott states in Hund's metals. Physical Review B, 2014, 90, .	1.1	22
40	Peierls transition, ferroelectricity, and spin-singlet formation in monolayer VOI_2 . Physical Review B, 2021, 103, .	1.1	21
41	Density matrix renormalization group study of a three-orbital Hubbard model with spin-orbit coupling in one dimension. Physical Review B, 2017, 96, .	1.1	20
42	Magnetic states of iron-based two-leg ladder tellurides. Physical Review B, 2019, 100, .	1.1	20
43	Iron telluride ladder compounds: Predicting the structural and magnetic properties of BaFe_2Te_3 . Physical Review B, 2020, 101, .	1.1	20
44	Charge doping effects on magnetic properties of single-crystal VOI_2 .		

#	ARTICLE	IF	CITATIONS
55	Origin of insulating Ferromagnetism in iron Oxychalcogenide CeO_2 . Physical Review Letters, 2021, 127, 077204.	2.9	14
56	Bicollinear Antiferromagnetic Order, Monoclinic Distortion, and Reversed Resistivity Anisotropy in FeTe as a Result of Spin-Lattice Coupling. Physical Review Letters, 2016, 117, 117201.	2.9	13
57	Orbital-selective Mott phases of a one-dimensional three-orbital Hubbard model studied using computational techniques. Physical Review E, 2016, 93, 063313.	0.8	13
58	Orbital-selective Peierls phase in the metallic dimerized chain MoOCl_2 . Physical Review B, 2021, 104, .	1.1	13
59	Effect of nonmagnetic impurities (Zn, Li) in a hole-doped spin-fermion model for cuprates. Physical Review B, 2000, 62, R3620-R3623.	1.1	12
60	Crossover from impurity to valence band in diluted magnetic semiconductors: Role of Coulomb attraction by acceptors. Physical Review B, 2007, 76, .	1.1	12
61	Optical conductivity and resistivity of a hole-doped spin-fermion model for cuprates. Physical Review B, 2002, 66, .	1.1	11
62	Orbital ordering in the layered perovskite material CsVF_4 . Physical Review Materials, 2021, 5, .	0.9	11
63	Magnetic states of the quasi-one-dimensional iron chalcogenide BaFe_2As_2 . Physical Review B, 2021, 104, .	1.1	10
64	Oxygen magnetic polarization, nodes in spin density, and zigzag spin order in oxides. Physical Review B, 2021, 103, .	1.1	9
65	Isotropic in-plane quenched disorder and dilution induce a robust nematic state in electron-doped pnictides. Physical Review B, 2015, 92, .	1.1	8
66	Multitude of topological phase transitions in bipartite dice and Lieb lattices with interacting electrons and Rashba coupling. Physical Review B, 2021, 104, .	1.1	8
67	On-site attractive multiorbital Hamiltonian for d-wave superconductors. Physical Review B, 2016, 93, .	1.1	7
68	Minimal-size real-space d-wave pairing operator in CuO_2 planes. Physical Review B, 2019, 100, .	1.1	7
69	Estimation of biquadratic and bicubic Heisenberg effective couplings from multiorbital Hubbard models. New Journal of Physics, 2022, 24, 073014.	1.2	7
70	Block excitonic condensate at $n=3.5$ in a spin-orbit coupled t_{2g} multiorbital Hubbard model. Physical Review B, 2019, 99, .	1.1	6
71	Electronic and magnetic properties of quasi-one-dimensional osmium halide OsCl_4 . Applied Physics Letters, 2022, 120, 023101.	1.5	6
72	Strongly anisotropic electronic and magnetic structures in oxide dichlorides RuOCl_2 and OsOCl_2 . Physical Review B, 2022, 105, .	1.1	6

