

Adriana Moreo

List of Publications by Year in descending order

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84
papers

8,361
citations

147566

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58464

82
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84
all docs

84
docs citations

84
times ranked

5269
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and magnetic properties of quasi-one-dimensional osmium halide OsCl ₄ . Applied Physics Letters, 2022, 120, 023101.	1.5	6
2	Prediction of orbital-selective Mott phases and block magnetic states in the quasi-one-dimensional iron chain CeO_2 . Physical Review B, 2022, 105, .	1.5	6
3	Designing Magnetism in High Entropy Oxides. Advanced Science, 2022, 9, e2200391.	5.6	28
4	Theoretical study of the crystal and electronic properties of Ru_3O_7 . Physical Review B, 2022, 105, .	1.1	16
5	Origin of insulating electronic and magnetic structures in oxide dichlorides RuOCl_2 and OsOCl_2 . Physical Review B, 2022, 105, .	1.1	6
6	Estimation of biquadratic and bicubic Heisenberg effective couplings from multiorbital Hubbard models. New Journal of Physics, 2022, 24, 073014.	1.2	7
7	Electronic structure, magnetic properties, and pairing tendencies of the copper-based honeycomb lattice Na_2VO_2 . Physical Review B, 2022, 105, .	1.1	9
8	Peierls transition, ferroelectricity, and spin-singlet formation in monolayer VOI_2 . Physical Review B, 2021, 103, .	1.1	9
9	Oxygen magnetic polarization, nodes in spin density, and zigzag spin order in oxides. Physical Review B, 2021, 103, .	1.1	9
10	Origin of Insulating Ferromagnetism in Iron Oxychalcogenide CeO_2S_2 . Physical Review Letters, 2021, 127, 077204.	1.1	9
11	Orbital-selective Peierls phase in the metallic dimerized chain MoOCl_2 . Physical Review B, 2021, 104, .	1.1	9
12	Charge doping effects on magnetic properties of single-crystal FeO .		

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19	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
20	Iron telluride ladder compounds: Predicting the structural and magnetic properties of BaFe ₂ Te ₃ . Physical Review B, 2020, 101, .	1.1	20
21	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. Physical Review Letters, 2019, 123, 067601.	2.9	52
22	Novel Magnetic Block States in Low-Dimensional Iron-Based Superconductors. Physical Review Letters, 2019, 123, 027203.	2.9	31
23	Fingerprints of an orbital-selective Mott phase in the block magnetic state of BaFe ₂ Se ₃ ladders. Communications Physics, 2019, 2, .	2.0	34
24	Half-filled stripes in a hole-doped three-orbital spin-fermion model for cuprates. Physical Review B, 2019, 99, .	1.1	4
25	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
26	Magnetic states of iron-based two-leg ladder tellurides. Physical Review B, 2019, 100, .	1.1	20
27	Minimal-size real-space d -wave pairing operator in CuO ₂ planes. Physical Review B, 2019, 100, .	1.1	7
28	Quasi-one-dimensional ferroelectricity and piezoelectricity in WO_x halogens. Physical Review Materials, 2019, 3, .	1.1	24
29	Spin dynamics of the block orbital-selective Mott phase. Nature Communications, 2018, 9, 3736.	5.8	36
30	Phenomenological three-orbital spin-fermion model for cuprates. Physical Review B, 2018, 98, .	1.1	5
31	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
32	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
33	Pairing tendencies in a two-orbital Hubbard model in one dimension. Physical Review B, 2017, 96, .	1.1	24
34	Magnetic properties and pairing tendencies of the iron-based superconducting ladder $BaFe_2Te_3$ Combined <i>ab initio</i> and density matrix renormalization group study. Physical Review B, 2016, 94, .	1.1	35
35	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
36	Orbital selective directional conductor in the two-orbital Hubbard model. Physical Review B, 2016, 93, .	1.1	5

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37	On-site attractive multiorbital Hamiltonian for d-wave superconductors. Physical Review B, 2016, 93, .	1.1	7
38	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
39	Isotropic in-plane quenched disorder and dilution induce a robust nematic state in electron-doped pnictides. Physical Review B, 2015, 92, .	1.1	8
40	Quantum phase transition between orbital-selective Mott states in Hund's metals. Physical Review B, 2014, 90, .	1.1	22
41	Diverging nematic susceptibility, physical meaning of T^* and pseudogap in the spin fermion model for the pnictides. Physical Review B, 2014, 90, .	1.1	4
42	Exotic Magnetic Order in the Orbital-Selective Mott Regime of Multiorbital Systems. Physical Review Letters, 2014, 112, 106405.	2.9	58
43	Testing the Monte Carlo "mean field approximation in the one-band Hubbard model. Physical Review B, 2014, 90, .	1.1	27
44	RPA analysis of a two-orbital model for the BiS ₂ -based superconductors. Physical Review B, 2013, 87, .	1.1	75
45	Fe ₂ Se ₂ pairing symmetries of a hole-doped extended two-orbital model for the pnictides. Physical Review B, 2012, 85, .	1.1	58
46	Pairing symmetries of a hole-doped extended two-orbital model for the pnictides. Physical Review B, 2012, 85, .	1.1	16
47	Spectral density in a nematic state of iron pnictides. Physical Review B, 2012, 85, .	1.1	17
48	Charge stripes in the two-orbital Hubbard model for iron pnictides. Physical Review B, 2011, 83, .	1.1	17
49	Magnetolectric coupling at the interface of BiFeO ₃ /La _{0.8} Fe _{1.6} Se ₂ from a five-orbital Hubbard model in the Hartree-Fock approximation. Physical Review B, 2011, 84, .	1.1	59
50	Properties of the multiorbital Hubbard models for the iron-based superconductors. Frontiers of Physics, 2011, 6, 379-397.	2.4	14
51	Role of degeneracy, hybridization, and nesting in the properties of multiorbital systems. Physical Review B, 2011, 84, .	1.1	15
52	Magnetic state of K _{0.8} Fe _{1.6} Se ₂ from a five-orbital Hubbard model in the Hartree-Fock approximation. Physical Review B, 2011, 84, .	1.1	15
53	Orbital-weight redistribution triggered by spin order in the pnictides. Physical Review B, 2010, 81, .	1.1	55
54	Constraints imposed by symmetry on pairing operators for the iron pnictides. Physical Review B, 2010, 81, .	1.1	5

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55	Spin-polarized semiconductor induced by magnetic impurities in graphene. Physical Review B, 2010, 82, .	1.1	14
56	Neutron and ARPES constraints on the couplings of the multiorbital Hubbard model for the iron pnictides. Physical Review B, 2010, 82, .	1.1	65
57	Three orbital model for the iron-based superconductors. Physical Review B, 2010, 81, .	1.1	177
58	Magnetic and metallic state at intermediate Hubbard U coupling in multiorbital models for undoped iron pnictides. Physical Review B, 2009, 79, .	1.1	62
59	Properties of a two-orbital model for oxypnictide superconductors: Magnetic order, $d_{x^2-y^2}$ spin-singlet pairing channel, and its nodal structure. Physical Review B, 2009, 79, .	1.1	111
60	Model for the Magnetic Order and Pairing Channels in Fe Pnictide Superconductors. Physical Review Letters, 2008, 101, 237004.	2.9	127
61	Crossover from impurity to valence band in diluted magnetic semiconductors: Role of Coulomb attraction by acceptors. Physical Review B, 2007, 76, .	1.1	12
62	Cold Attractive Spin Polarized Fermi Lattice Gases and the Doped Positive U Hubbard Model. Physical Review Letters, 2007, 98, 216402.	2.9	35
63	Inhomogeneous charge textures stabilized by electron-phonon interactions in the t - J model. Physical Review B, 2006, 73, .	1.1	4
64	Effect of adiabatic phonons on striped and homogeneous ground states. Physical Review B, 2005, 72, .	1.1	3
65	Areas of superconductivity and giant proximity effects in underdoped cuprates. Physical Review B, 2005, 71, .	1.1	87
66	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
67	Optical conductivity and resistivity of a hole-doped spin-fermion model for cuprates. Physical Review B, 2002, 66, .	1.1	11
68	Resistivity of Mixed-Phase Manganites. Physical Review Letters, 2001, 86, 135-138.	2.9	241
69	Colossal magnetoresistant materials: the key role of phase separation. Physics Reports, 2001, 344, 1-153.	10.3	3,346
70	Fermi surface and spectral functions of a hole-doped spin-fermion model for cuprates. Physical Review B, 2001, 63, .	1.1	26
71	EFFECT OF NON-MAGNETIC IMPURITIES (Zn, Li) ON THE STRIPED STATE OF A SPIN-FERMION MODEL FOR CUPRATES. International Journal of Modern Physics B, 2000, 14, 3610-3616.	1.0	1
72	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

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73	Phase Separation Scenario for Manganese Oxides and Related Materials. <i>Science</i> , 1999, 283, 2034-2040.	6.0	1,259
74	Phase Separation in Electronic Models for Manganites. <i>Physical Review Letters</i> , 1998, 80, 845-848.	2.9	486
75	Phase Separation in Models for Manganites. <i>International Journal of Modern Physics B</i> , 1998, 12, 3369-3371.	1.0	2
76	Numerical studies of strongly correlated electronic systems. , 1998, , .		0
77	Superconductivity in the cuprates as a consequence of antiferromagnetism and a large hole density of states. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 379-387.	0.5	1
78	Spin Dynamics of Hole Doped $Y_{2-x}Ca_xBaNiO_5$. <i>Physical Review Letters</i> , 1996, 76, 1731-1734.	2.9	44
79	Critical Behavior of the $S=3/2$ Antiferromagnetic Heisenberg Chain. <i>Physical Review Letters</i> , 1996, 76, 4955-4958.	2.9	74
80	$d_{x^2-y^2}$ superconductivity in a model of correlated fermions. <i>Physical Review B</i> , 1996, 54, R768-R771.	1.1	42
81	Superconductivity near phase separation in models of correlated electrons. <i>Physical Review B</i> , 1994, 49, 3548-3565.	1.1	117
82	Pairing and spin gap in the normal state of short coherence length superconductors. <i>Physical Review Letters</i> , 1992, 69, 2001-2004.	2.9	314
83	Two-dimensional negative-U Hubbard model. <i>Physical Review Letters</i> , 1991, 66, 946-948.	2.9	190
84	Phase diagram of the two-dimensional negative-U Hubbard model. <i>Physical Review Letters</i> , 1989, 62, 1407-1410.	2.9	251