Franca Manghi

List of Publications by Year
in descending order

106	2,453	172457	233421
papers	citations	29 h-index	45 g-index

113	113	113	1438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlated electrons in a crystalline topological insulator. Physical Review B, 2021, 103, .	3.2	1
2	Time Evolution of Floquet States in Graphene. Advances in Condensed Matter Physics, 2018, 2018, 1-10.	1.1	1
3	Dynamics and control of edge states in laser-driven graphene nanoribbons. Physical Review B, 2017, 95, .	3.2	11
4	Theory of photon-driven correlated electrons in one dimension. Journal of Physics: Conference Series, 2017, 841, 012021.	0.4	0
5	Periodically driven interacting electrons in one dimension: Many-body Floquet approach. Physical Review B, 2016, 94, .	3.2	7
6	Heterodimers of heterometallic rings. Dalton Transactions, 2016, 45, 16610-16615.	3.3	8
7	Quasiparticle band structure. Journal of Electron Spectroscopy and Related Phenomena, 2015, 200, 181-192.	1.7	2
8	Topological invariants in interacting quantum spin Hall: a cluster perturbation theory approach. New Journal of Physics, 2015, 17, 023004.	2.9	18
9	Topological properties of the bond-modulated honeycomb lattice. Physical Review B, 2015, 91, .	3.2	15
10	Reentrant metallicity in the Hubbard model: the case of honeycomb nanoribbons. Physica Scripta, 2014, 89, 075802.	2.5	1
11	DFT Study of the Cr$$_8$$ Molecular Magnet Within Chain-Model Approximations. Lecture Notes in Computer Science, 2014, , 428-437.	1.3	4
12	Multi-orbital cluster perturbation theory for transition metal oxides. Journal of Physics Condensed Matter, 2014, 26, 015602.	1.8	8
13	Graphene-mediated exchange coupling between a molecular spin and magnetic substrates. Physical Review B, 2013, 88, .	3.2	17
14	Effects of spin-dependent quasiparticle renormalization in Fe, Co, and Ni photoemission spectra:An experimental and theoretical study. Physical Review B, 2012, 85, .	3.2	60
15	First-principles calculation of X-ray dichroic spectra within the full-potential linearized augmented planewave method: An implementation into the Wien2k code. Computer Physics Communications, 2012, 183, 628-636.	7.5	14
16	Effects of electronic correlation on x-ray absorption and dichroic spectra at L2, 3edge. Journal of Physics Condensed Matter, 2011, 23, 215601.	1.8	6
17	Interfacial magnetic structure in Fe/NiO(001). Physical Review B, 2011, 83, .	3.2	9
18	Quantitative determination of spin-dependent quasiparticle lifetimes and electronic correlations in hcp cobalt. Physical Review B, 2010, 82, .	3.2	40

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19	Strength of Correlation Effects in the Electronic Structure of Iron. Physical Review Letters, 2009, 103, 267203.	7.8	107
20	Photoexcitation of a Light-Harvesting Supramolecular Triad: A Time-Dependent DFT Study. Journal of Physical Chemistry B, 2009, 113, 5345-5349.	2.6	41
21	Ab initiostudy on a chain model of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cr</mml:mtext></mml:mrow><mml:mn>8</mml:mn></mml:msub>	3.2	26
22	Ab initiostudy of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Ni</mml:mi><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>interface: Structural and magnetic properties. Physical Review B, 2007, 76, .	3.2	11
23	Iron Oxidation, Interfacial Expansion, and Buckling at theFe/NiO(001)Interface. Physical Review Letters, 2006, 96, 106106.	7.8	43
24	Correlation effects on the electronic properties of Bi2Sr2CaCu2O8. Journal of Physics and Chemistry of Solids, 2006, 67, 286-288.	4.0	2
25	Density-functional study of theCr8antiferromagnetic ring. Physical Review B, 2006, 73, .	3.2	40
26	Theoretical simulation of core-level photoemission in transition-metal oxides. Physical Review B, 2005, 72, .	3.2	3
27	First-Principles Theory of Correlated Transport through Nanojunctions. Physical Review Letters, 2005, 94, 116802.	7.8	72
28	First-principles theoretical description of electronic transport including electron-electron correlation. Physical Review B, 2005, 72, .	3.2	37
29	Structure optimization effects on the electronic and vibrational properties ofBi2Sr2CaCu2O8. Physical Review B, 2004, 69, .	3.2	13
30	Coordination-dependence of hyperfine interactions at impurities on fcc metal surfaces. II. Magnetic hyperfine field. Physical Review B, 2004, 70, .	3.2	16
31	Coordination dependence of hyperfine interactions at impurities on fcc metal surfaces. I. Electric-field gradient. Physical Review B, 2004, 70, .	3.2	27
32	Spin dependent many-body effects in the photoemission of Co. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 523-527.	1.7	0
33	Molecular phases in coupled quantum dots. Physical Review B, 2004, 69, .	3.2	58
34	First-principles study of the normal state electronic properties of the Bi-2212 cuprate superconductor. Materials Science and Engineering C, 2003, 23, 885-888.	7.3	4
35	Ab initioFermi surface and conduction-band calculations in oxygen-reducedMoO3. Physical Review B, 2003, 68, .	3.2	26
36	Quenching of Majority-Channel Quasiparticle Excitations in Cobalt. Physical Review Letters, 2002, 88, 236402.	7.8	38

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37	Raman signatures of classical and quantum phases in coupled dots: A theoretical prediction. Europhysics Letters, 2002, 58, 555-561.	2.0	25
38	The effect of dielectric polarization-induced surface states on many-body configurations in a quantum dot. Semiconductor Science and Technology, 2002, 17, 1302-1311.	2.0	14
39	Role of electron-electron correlation in the valence states ofYBa2Cu3O7:Low-energy excitations and Fermi surface. Physical Review B, 2001, 64, .	3.2	8
40	Single-electron charging in quantum dots with large dielectric mismatch. Physical Review B, 2001, 63, .	3.2	20
41	Enhancement of Coulomb interactions in semiconductor nanostructures by dielectric confinement. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 482-485.	2.7	16
42	Band-structure effects in the core-level photoemission spectra of NiO. Physical Review B, 2000, 62, R4774-R4777.	3.2	7
43	Correlation effects in the low-energy region of nickel photoemission spectra. Physical Review B, 1999, 59, R10409-R10412.	3.2	45
44	Multiple quantum phases in artificial double-dot molecules. Solid State Communications, 1999, 112, 151-155.	1.9	43
45	Coulomb correlation effects in semiconductor quantum dots: The role of dimensionality. Physical Review B, 1999, 59, 10165-10175.	3.2	82
46	Theory of Addition Spectra in Double Quantum Dots: Single-Particle Tunneling vs Coulomb Interactions. Materials Research Society Symposia Proceedings, 1999, 571, 179.	0.1	1
47	Addition energies in semiconductor quantum dots: Role of electronâ€“electron interaction. Applied Physics Letters, 1998, 72, 957-959.	3.3	36
48	On-site correlation in valence and core states of ferromagnetic nickel. Physical Review B, 1997, 56, 7149-7161.	3.2	42
49	On-Site Correlation in Narrow Band Materials. Materials Research Society Symposia Proceedings, 1997, 491, 179.	0.1	0
50	Localized and itinerant character of electron states in the photoemission from CuGeO3. Solid State Communications, 1997, 104, 301-305.	1.9	8
51	Quasiparticle Band Structure of NiO: The Mott-Hubbard Picture Regained. Physical Review Letters, 1994, 73, 3129-3132.	7.8	67
52	Three-body scattering theory of correlated hole and electron states. Physical Review B, 1994, 50, 2061-2074.	3.2	37
53	Surface termination of YBa2Cu3O7â^'x systems. Journal of Electron Spectroscopy and Related Phenomena, 1994, 66, 453-467.	1.7	6
54	Overlayer-induced Auger Line-shape Changes: The Case of the PL2, 3VVTransition at the InP(110)/Sb interface. Physica Scripta, 1992, T41, 259-264.	2.5	6

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55	Basal-plane surfaces ofYBa2Cu3O7: Single-particle results and valence-band spectra. Physical Review B, 1992, 46, 3600-3611.	3.2	11
56	Quasiparticle band structure of Ni andNiSi2. Physical Review B, 1992, 45, 5819-5827.	3.2	20
57	Anion-specific surface valence-band states in heteropolar semiconductors: The case of GaP(110) and InP(110). Physical Review B, 1992, 46, 13607-13610.	3.2	1
58	Resolving the Surface Contribution kof the PL2, 3VV Auger Lineshape of GaP (110) via Use of (1 Ã— 1) Sb Overlayers. Physica Scripta, 1992, T41, 232-236.	2.5	1
59	Quenching the surface electronic structure of P-containing IIIâ€“V semiconductors via ordered (1Ã—1) Sb overlayers: a PL2,3VV Auger line shape analysis. Surface Science, 1992, 269-270, 838-843.	1.9	0
60	Experimental and theoretical surface component of the PL2,3VV Auger lineshape in GaP(110): the use of ordered (1 Ã— 1) Sb overlayers. Applied Surface Science, 1992, 56-58, 50-55.	6.1	5
61	Surface local density of states of InP(110) via PL2.3VV Auger lineshape: the role of an ordered (1Ã—1) Sb overlayer. Applied Surface Science, 1992, 56-58, 60-65.	6.1	1
62	Electronic states at the (111) surface of Ni disilicide. Applied Surface Science, 1992, 56-58, 416-420.	6.1	2
63	Satellites from hybridized Cu-O states inYBa2Cu3O7. Physical Review B, 1991, 43, 3671-3674.	3.2	5
64	Surface local-field effect on the optical properties of GaAs(110) and GaP(110). Physical Review B, 1991, 44, 1825-1831.	3.2	28
65	Theoretical interpretation of valence band photoemission spectra in YBa2Cu3O7. Physica C: Superconductivity and Its Applications, 1990, 165, 461-468.	1.2	5
66	Theoretical investigation of the Fermi level pinning at the SbGaAs(110) interface. Vacuum, 1990, 41, 693-694.	3.5	7
67	Oxygen-induced surface states in YBa2Cu3O7. Vacuum, 1990, 41, 982-985.	3.5	0
68	Experimental and theoretical evidence of image states at semiconductor surfaces: The case of GaP(1 1) Tj ETQq0 0 0 rgBT /Overlock 10	1.9	10
69	Anisotropy in the optical spectrum of the GaAs(110) surface. Physical Review Letters, 1990, 65, 937-937.	7.8	5
70	Anisotropy of surface optical properties from first-principles calculations. Physical Review B, 1990, 41, 9935-9946.	3.2	160
71	Origin of surface anisotropies in the optical spectra of III-V compounds. Physical Review B, 1989, 39, 13005-13008.	3.2	29
72	Giant quasi-particle shifts of semiconductor surface states. Journal of Physics Condensed Matter, 1989, 1, SB75-SB78.	1.8	13

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73	Surface Effects on the Electronic Properties of YBa ₂ Cu ₃ O ₇. Europhysics Letters, 1989, 8, 791-796.	2.0	19
74	One hole spectra at YBa 2 Cu 3 O 7 surfaces. Physica C: Superconductivity and Its Applications, 1989, 162-164, 211-212.	1.2	0
75	First-principles calculation of anisotropic reflectance at the GaAs(110) surface. Surface Science, 1989, 211-212, 518-523.	1.9	12
76	Surface effects in the electronic properties of YBa2Cu3O7. Surface Science, 1989, 211-212, 1127-1136.	1.9	5
77	Surface stoichiometry and valence electronic structure of YBa2Cu3O7â˜'x. Journal of Applied Physics, 1989, 66, 5958-5961.	2.5	10
78	Band Structure Theory of Semiconductor Surfaces and Interfaces. Springer Proceedings in Physics, 1987, , 162-181.	0.2	2
79	Bonding and surface electronic structure of an Sb overlayer on GaP(110). Surface Science, 1987, 184, 449-462.	1.9	26
80	Microscopic calculation of differential reflectivity of GaP(110). Surface Science, 1987, 189-190, 1028-1032.	1.9	16
81	Nonlocal exchange and correlation in surface calculations: An application to GaAs(110). Physical Review B, 1986, 33, 2554-2558.	3.2	17
82	Theoretical study of the electronic structure of the GaP(110)î—¸Si interface. Surface Science, 1985, 162, 605-609.	1.9	4
83	Band-structure calculation for GaAs and Si beyond the local-density approximation. Physical Review B, 1985, 31, 3680-3688.	3.2	37
84	Electronic properties of the Cs-GaAs(110) interface at monolayer coverage. Surface Science, 1984, 136, 629-648.	1.9	14
85	Electron states at Zn(0001) surface. Solid State Communications, 1983, 47, 341-343.	1.9	10
86	Nonlocal exchange and correlation and semiconductor band structure. Physical Review B, 1983, 28, 6157-6160.	3.2	42
87	Electron states of an Sb-ordered overlayer on GaAs(110). Physical Review B, 1983, 27, 1251-1258.	3.2	89
88	Theoretical investigation of hydrogen chemisorption on Gaâ€containing IIIâ€“V compounds. Journal of Vacuum Science and Technology, 1982, 21, 371-374.	1.9	54
89	Aspects of self-consistent procedures in surface pseudopotential calculations. Journal of Physics C: Solid State Physics, 1982, 15, 3627-3637.	1.5	3
90	Self-consistent pseudopotential calculation of the electronic properties of the InP (110) surface. Journal of Physics C: Solid State Physics, 1982, 15, 1099-1109.	1.5	32

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91	Copper on Ni(111): The electron states from submonolayer to several-monolayer coverages. Physical Review B, 1981, 23, 6448-6455.	3.2	35
92	Two-dimensional band structure of chemisorbed chlorine on GaAs (110). Physical Review B, 1981, 23, 509-512.	3.2	30
93	Theoretical study of the electronic structure of GaP(110). Physical Review B, 1981, 24, 6029-6042.	3.2	88
94	Evidence for semiconductor-semiconductor interface states: Si(111) (2 Ã— 1)-Ge. Physical Review B, 1981, 24, 6174-6177.	3.2	22
95	Microscopic aspects of Si-Ge heterojunction formation. Solid State Communications, 1980, 34, 409-412.	1.9	16
96	Chemisorption geometry on cleaved III-V surfaces: Cl on GaAs, GaSb, and InSb. Physical Review B, 1979, 20, 1538-1545.	3.2	67
97	Surface bands in relaxed cleavance surface of GaP. Journal of Vacuum Science and Technology, 1978, 15, 1256-1261.	1.9	23
98	Electronic Structure of an Ordered Monolayer of Cu on Zn(0001). Physical Review Letters, 1978, 40, 469-472.	7.8	47
99	Linear-combination-of-atomic-orbitals description of the electron states at the (0001) surface of hexagonal-close-packed metals. Physical Review B, 1978, 17, 3750-3756.	3.2	6
100	Electronic structure and atomic configuration at the cleavage surface of zincblende compounds. Journal of Physics C: Solid State Physics, 1977, 10, 1911-1927.	1.5	75
101	A self-consistent calculation of the electronic structure of thin copper films. Thin Solid Films, 1977, 43, 251-259.	1.8	7
102	Electronic properties of clean (001) surfaces of Ir and Pt. Solid State Communications, 1977, 23, 249-253.	1.9	12
103	Absence of filled surface states in the s-p gap of clean(111) surface of Ag. Solid State Communications, 1977, 23, 959-962.	1.9	7
104	Dispersion of surface bands in W(001) surface. Solid State Communications, 1977, 21, 121-123.	1.9	21
105	The electronic structure of the (001) surface of copper. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1977, 38, 96-115.	0.2	14
106	Surface bands of the (001) surface of molybdenum. Solid State Communications, 1977, 23, 255-259.	1.9	24