

Michele Fabrizio

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Dissipative cooling induced by pulse perturbations. SciPost Physics, 2022, 12, .	1.5	5
2	Emergent quasiparticles at Luttinger surfaces. Nature Communications, 2022, 13, 1561.	5.8	9
3	Nanoscale self-organization and metastable non-thermal metallicity in Mott insulators. Nature Communications, 2022, 13, .	5.8	8
4	Disentangling Structural and Electronic Properties in V_2O_3 Thin Films: A Genuine Nonsymmetry Breaking Mott Transition. Nano Letters, 2022, 22, 5990-5996.	4.5	6
5	Luttinger's theorem in the presence of Luttinger surfaces. Physical Review B, 2022, 106, .	1.1	9
6	Moving Dirac nodes by chemical substitution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
7	Landau-Fermi liquids without quasiparticles. Physical Review B, 2020, 102, .	1.1	5
8	Exciton topology and condensation in a model quantum spin Hall insulator. Physical Review B, 2020, 102, .	1.1	8
9	Jahn-Teller coupling to moiré phonons in the continuum model formalism for small-angle twisted bilayer graphene. European Physical Journal Plus, 2020, 135, 630.	1.2	7
10	Misuse of the minimal coupling to the electromagnetic field in quantum many-body systems. Physical Review B, 2020, 101, .	1.1	3
11	Unraveling the Mott-Peierls intrigue in vanadium dioxide. Physical Review Research, 2020, 2, .	1.3	40
12	Early-stage dynamics of metallic droplets embedded in the nanotextured Mott insulating phase of V_2O_3 . Physical Review B, 2019, 100, .	1.1	21
13	Valley Jahn-Teller Effect in Twisted Bilayer Graphene. Physical Review X, 2019, 9, .	2.8	44
14	Lindblad dissipative dynamics in the presence of phase coexistence. Physical Review B, 2019, 100, .	1.1	32
15	Reply to: Ultrafast evolution and transient phases of a prototype out-of-equilibrium Mott-Hubbard material. Nature Communications, 2019, 10, 4035.	5.8	4
16	Charge Disproportionation, Mixed Valence, and Janus Effect in Multiorbital Systems: A Tale of Two Insulators. Physical Review Letters, 2019, 122, 186401.	2.9	38
17	Exciton Mott transition revisited. Physical Review Materials, 2019, 3, .	0.9	25
18	Cooling quasiparticles in A_3C_60 fullerides by excitonic mid-infrared absorption. Nature Physics, 2018, 14, 154-159.	6.5	45

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19	Emergent D_{6h} symmetry in fully relaxed magic-angle twisted bilayer graphene. Physical Review B, 2018, 98, .	1.1	4
20	Selective Transient Cooling by Impulse Perturbations in a Simple Toy Model. Physical Review Letters, 2018, 120, 220601.	2.9	7
21	Correlation-driven Lifshitz transition and orbital order in a two-band Hubbard model. Physical Review B, 2018, 98, .	1.1	3
22	Ultrafast orbital manipulation and Mott physics in multi-band correlated materials. , 2018, , .		2
23	Quantum fluctuations beyond the Gutzwiller approximation. Physical Review B, 2017, 95, .	1.1	8
24	Ultrafast evolution and transient phases of a prototype out-of-equilibrium Mott-Hubbard material. Nature Communications, 2017, 8, 13917.	5.8	50
25	Mottness at finite doping and charge instabilities in cuprates. Nature Physics, 2017, 13, 806-811.	6.5	19
26	Mott physics beyond the Brinkman-Rice scenario. Physical Review B, 2017, 95, .	1.1	15
27	Non-Fermi-liquid behavior in quantum impurity models with superconducting channels. Physical Review B, 2017, 95, .	1.1	10
28	Nanomechanical dissipation at a tip-induced Kondo onset. Physical Review B, 2017, 96, .	1.1	1
29	Unbinding slave spins in the Anderson impurity model. Physical Review B, 2017, 96, .	1.1	3
30	Interplay of charge and spin dynamics after an interaction quench in the Hubbard model. Physical Review B, 2017, 96, .	1.1	6
31	Publisher's Note: Unbinding slave spins in the Anderson impurity model [Phys. Rev. B 96 , 201106(R) (2017)]. Physical Review B, 2017, 96, .	1.1	0
32	Nonequilibrium variational cluster perturbation theory: Quench dynamics of the quantum Ising model. Physical Review B, 2016, 94, .	1.1	1
33	Dynamical phase transitions and Loschmidt echo in the infinite-range XY model. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150160.	1.6	57
34	Nanoscale orbital excitations and the infrared spectrum of a molecular Mott insulator: $A_{15}Cs_3C_{60}$. Nanoscale, 2016, 8, 17483-17488.	2.8	3
35	Many-body breakdown of indirect gap in topological Kondo insulators. Physical Review B, 2016, 94, .	1.1	7
36	Nonequilibrium and nonhomogeneous phenomena around a first-order quantum phase transition. Physical Review B, 2016, 93, .	1.1	12

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37	Ultrafast optical spectroscopy of strongly correlated materials and high-temperature superconductors: a non-equilibrium approach. <i>Advances in Physics</i> , 2016, 65, 58-238.	35.9	325
38	Field-Driven Mott Gap Collapse and Resistive Switch in Correlated Insulators. <i>Physical Review Letters</i> , 2016, 117, 176401.	2.9	48
39	Metallic, magnetic and molecular nanocontacts. <i>Nature Nanotechnology</i> , 2016, 11, 499-508.	15.6	48
40	Low-temperature magnetic ordering and structural distortions in vanadium sesquioxide V_2O_3 <i>Physical Review B</i> , 2015, 92, .	1.1	23
41	Electronic transport and dynamics in correlated heterostructures. <i>Physical Review B</i> , 2015, 91, .	1.1	25
42	Nonequilibrium gap collapse near a first-order Mott transition. <i>Physical Review B</i> , 2015, 91, .	1.1	19
43	Co adatoms on Cu surfaces: Ballistic conductance and Kondo temperature. <i>Physical Review B</i> , 2015, 92, .	1.1	24
44	Z_2 theory description of the Mott transition in infinite dimensions. <i>Physical Review B</i> , 2015, 91, .	1.1	23
45	Kondo conductance across the smallest spin 1/2 radical molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 69-74.	3.3	38
46	Absence of thermalization in a Fermi liquid. <i>Physical Review B</i> , 2014, 90, .	1.1	3
47	Nonadiabatic stationary behavior in a driven low-dimensional gapped system. <i>Physical Review B</i> , 2014, 90, .	1.1	2
48	Light-cone effect and supersonic correlations in one- and two-dimensional bosonic superfluids. <i>Physical Review A</i> , 2014, 89, .	1.0	90
49	Robust s_{\pm} superconductivity in a two-band Hubbard-Fröhlich model of alkali-doped organics. <i>Physical Review B</i> , 2014, 90, .	1.1	13
50	Superconductivity from spoiling magnetism in the Kondo lattice model. <i>Physical Review B</i> , 2014, 90, .	1.1	13
51	Gutzwiller electronic structure calculations applied to transition metals: Kinetic energy gain with ferromagnetic order in bcc Fe. <i>Physical Review B</i> , 2014, 90, .	1.1	15
52	Collective spin 1 singlet phase in high-pressure oxygen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10427-10432.	3.3	21
53	Ferromagnetic Kondo Effect in a Triple Quantum Dot System. <i>Physical Review Letters</i> , 2013, 111, 047201.	2.9	39
54	Variational Monte Carlo approach to the two-dimensional Kondo lattice model. <i>Physical Review B</i> , 2013, 87, .	1.1	36

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55	Magnetic impurities in nanotubes: From density functional theory to Kondo many-body effects. Physical Review B, 2013, 88, .	1.1	8
56	Finite-temperature Gutzwiller approximation and the phase diagram of a toy model for V2O3. Physical Review B, 2013, 87, .	1.1	22
57	Electron-doped organics: Charge-disproportionate insulators and Hubbard-Fröhlich metals. Physical Review B, 2013, 88, .	1.1	16
58	Extended dynamic Mott transition in the two-band Hubbard model out of equilibrium. Physical Review B, 2013, 88, .	1.1	8
59	Nonequilibrium dynamics in the antiferromagnetic Hubbard model. Physical Review B, 2013, 88, .	1.1	21
60	The Out-of-Equilibrium Time-Dependent Gutzwiller Approximation. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 247-273.	0.2	3
61	Linear ramps of interaction in the fermionic Hubbard model. Physical Review B, 2012, 86, .	1.1	30
62	Dynamical quantum phase transitions and broken-symmetry edges in the many-body eigenvalue spectrum. Physical Review B, 2012, 86, .	1.1	26
63	Sub-Ohmic two-level system representation of the Kondo effect. Physical Review B, 2012, 85, .	1.1	10
64	Localization and Glassy Dynamics Of Many-Body Quantum Systems. Scientific Reports, 2012, 2, 243.	1.6	145
65	Lattice and surface effects in the out-of-equilibrium dynamics of the Hubbard model. Physical Review B, 2012, 85, .	1.1	11
66	Kondo Effect of Magnetic Impurities in Nanotubes. Physical Review Letters, 2012, 108, 206807.	2.9	13
67	Kondo effect of magnetic impurities on nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1040-1044.	1.3	4
68	Bose-glass, superfluid, and rung-Mott phases of hard-core bosons in disordered two-leg ladders. Physical Review B, 2011, 83, .	1.1	14
69	Quantum quenches in the Hubbard model: Time-dependent mean-field theory and the role of quantum fluctuations. Physical Review B, 2011, 83, .	1.1	92
70	How localized bosons manage to become superfluid. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P08004.	0.9	8
71	Destruction of Kondo correlations in a four electron quantum dot with spin-orbit interactions. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 860-863.	1.3	1
72	Strongly correlated metal interfaces in the Gutzwiller approximation. Physical Review B, 2010, 81, .	1.1	19

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73	Characterization of the Bose-glass phase in low-dimensional lattices. Physical Review B, 2010, 81, .	1.1	14
74	Time-Dependent Mean Field Theory for Quench Dynamics in Correlated Electron Systems. Physical Review Letters, 2010, 105, 076401.	2.9	168
75	Suppression of Kondo-assisted cotunneling in a spin-1 quantum dot with spin-orbit interaction. Physical Review B, 2010, 82, .	1.1	4
76	Superconductivity in the doped bilayer Hubbard model. Physical Review B, 2009, 80, .	1.1	18
77	Surface Dead Layer for Quasiparticles Near a Mott Transition. Physical Review Letters, 2009, 102, 066806.	2.9	50
78	Real-time diagrammatic Monte Carlo for nonequilibrium quantum transport. Physical Review B, 2009, 79, .	1.1	143
79	Local moments and magnetic order in the two-dimensional Anderson-Mott transition. Physical Review B, 2009, 79, .	1.1	10
80	Lack of Kondo screening at nanocontacts of nearly magnetic metals. Europhysics Letters, 2009, 87, 27014.	0.7	9
81	Kondo conductance in an atomic nanocontact from first principles. Nature Materials, 2009, 8, 563-567.	13.3	64
82	<i>Colloquium</i> : Modeling the unconventional superconducting properties of expanded A_3C_{60} fullerides. Reviews of Modern Physics, 2009, 81, 943-958.	16.4	162
83	Mott transition in bosonic systems: Insights from the variational approach. Physical Review B, 2008, 77, .	1.1	21
84	Fermi-surface evolution across the magnetic phase transition in the Kondo lattice model. Physical Review B, 2008, 78, .	1.1	54
85	Two-level physics in a model metallic break junction. Physical Review B, 2008, 78, .	1.1	7
86	Strongly correlated superconductivity arising in a pseudogap metal. Physical Review B, 2008, 77, .	1.1	11
87	Gutzwiller scheme for electrons and phonons: The half-filled Hubbard-Holstein model. Physical Review B, 2008, 77, .	1.1	16
88	Strong correlations in a nutshell. Journal of Physics Condensed Matter, 2007, 19, 433201.	0.7	29
89	The role of the impurity-potential range in disordered d-wave superconductors. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P02014-P02014.	0.9	2
90	Extended Gutzwiller wave function for the Hubbard-Holstein model. Europhysics Letters, 2007, 79, 47003.	0.7	10

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91	Gutzwiller description of non-magnetic Mott insulators: Dimer lattice model. Physical Review B, 2007, 76, .	1.1	48
92	Superfluid to Mott-Insulator Transition in Bose-Hubbard Models. Physical Review Letters, 2007, 99, 056402.	2.9	46
93	What can be learned about the Mott transition from the physics of Anderson impurities. AIP Conference Proceedings, 2007, , .	0.3	1
94	Dynamical behavior across the Mott transition of two bands with different bandwidths. Physical Review B, 2005, 72, .	1.1	82
95	One-Dimensional Multiband Correlated Conductors and Anderson Impurity Physics. Physical Review Letters, 2005, 94, 106403.	2.9	4
96	From Luttinger liquid to Mott insulator: The correct low-energy description of the one-dimensional Hubbard model by an unbiased variational approach. Physical Review B, 2005, 72, .	1.1	16
97	Variational Description of Mott Insulators. Physical Review Letters, 2005, 94, 026406.	2.9	155
98	Surprises in the Phase Diagram of an Anderson Impurity Model for a Single C60n- Molecule. Physical Review Letters, 2005, 94, 236401.	2.9	19
99	Strongly Correlated Superconductivity and Pseudogap Phase near a Multiband Mott Insulator. Physical Review Letters, 2004, 93, 047001.	2.9	72
100	Ordered phases of XXZ-symmetric spin-1/2 zigzag ladder. European Physical Journal B, 2004, 39, 155-168.	0.6	9
101	Enhancement of superconductivity close to a Mott transition. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E133-E134.	1.0	0
102	Theory of phonon dissipation in the conduction of stressed Au nanowires. Surface Science, 2004, 566-568, 430-435.	0.8	6
103	Spectral properties of a two-orbital Anderson impurity model across a non-Fermi-liquid fixed point. Physical Review B, 2004, 69, .	1.1	41
104	Strong Correlations in Electron Doped Phthalocyanine Conductors Near Half Filling. Physical Review Letters, 2004, 93, 117002.	2.9	73
105	Nontrivial Fixed Point in a Twofold Orbitally Degenerate Anderson Impurity Model. Physical Review Letters, 2003, 91, 246402.	2.9	25
106	Increasing d-Wave Superconductivity by On-Site Repulsion. Physical Review Letters, 2003, 90, 187004.	2.9	33
107	Properties of Gutzwiller wave functions for multiband models. Physical Review B, 2003, 68, .	1.1	21
108	Enhancement of Superconductivity by Strong Correlations: A Model Study. , 2003, , 95-113.		0

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109	Quantum criticalities in a two-leg antiferromagnetic S=1 ladder induced by a staggered magnetic field. Physical Review B, 2002, 66, .	1.1	36
110	Quasiparticle Conductivities in Disordered d-Wave Superconductors. Physical Review Letters, 2002, 88, 076603.	2.9	10
111	Coulomb couplings in positively charged fullerene. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1611-1647.	0.6	6
112	Coulomb couplings in positively charged fullerene. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1611-1647.	0.6	18
113	Strongly Correlated Superconductivity. Science, 2002, 296, 2364-2366.	6.0	220
114	Superconductivity from strong correlation: direct transition between a non-degenerate Mott insulator and a superconductor. Journal of Physics and Chemistry of Solids, 2002, 63, 1555-1558.	1.9	3
115	Electron-vibration coupling constants in positively charged fullerene. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 793-812.	0.6	62
116	Direct Transition between a Singlet Mott Insulator and a Superconductor. Physical Review Letters, 2001, 86, 5361-5364.	2.9	36
117	Direct observation of orbital ordering in V ₂ O ₃ by X-ray resonant scattering technique. Physica B: Condensed Matter, 2000, 281-282, 485-486.	1.3	2
118	Theory of the metal-nonmagnetic Mott-Jahn-Teller insulator transition in A ₄ C ₆ O. Physical Review B, 2000, 62, 7619-7624.	1.1	49
119	Critical properties of the double-frequency sine-Gordon model with applications. Nuclear Physics B, 2000, 580, 647-687.	0.9	81
120	Anderson localization in bipartite lattices. Nuclear Physics B, 2000, 583, 542-583.	0.9	38
121	Statistical properties of a localization-delocalization transition in one dimension. Physical Review B, 1999, 59, 14848-14851.	1.1	23
122	Orbital Occupancy Order in V ₂ O ₃ : Resonant X-Ray Scattering Results. Physical Review Letters, 1999, 82, 4719-4722.	2.9	174
123	From Band Insulator to Mott Insulator in One Dimension. Physical Review Letters, 1999, 83, 2014-2017.	2.9	173
124	Phase diagram of doped spin-Peierls systems. European Physical Journal B, 1999, 10, 607-621.	0.6	22
125	Random-mass Dirac fermions in doped spin-Peierls and spin-ladder systems: One-particle properties and boundary effects. Physical Review B, 1998, 57, 8290-8306.	1.1	38
126	Finite-Size Bosonization of 2-Channel Kondo Model: A Bridge between Numerical Renormalization Group and Conformal Field Theory. Physical Review Letters, 1998, 81, 196-199.	2.9	38

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127	Density-matrix renormalization-group study of the spin gap in a one-dimensional Hubbard model: Effect of the distant transfer and exchange coupling. <i>Physical Review B</i> , 1998, 57, 10324-10327.	1.1	31
128	X-Ray Resonant Scattering as a Direct Probe of Orbital Ordering in Transition-Metal Oxides. <i>Physical Review Letters</i> , 1998, 80, 3400-3403.	2.9	59
129	A single-chain analysis of doped quasi-one-dimensional spin-1 compounds: paramagnetic versus doping. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 10429-10438.	0.7	1
130	Enhanced magnetic fluctuations in doped spin-Peierls systems: A single-chain-model analysis. <i>Physical Review B</i> , 1997, 56, 5996-6006.	1.1	22
131	Coexistence of Antiferromagnetism and Dimerization in a Disordered Spin-Peierls Model: Exact Results. <i>Physical Review Letters</i> , 1997, 78, 3382-3385.	2.9	54
132	Comment on "Enhancement of the Tunneling Density of States in Tomonaga-Luttinger Liquids". <i>Physical Review Letters</i> , 1997, 78, 4527-4527.	2.9	29
133	Impurity in a Luttinger liquid away from half-filling: A numerical study. <i>Physical Review B</i> , 1997, 56, 9766-9774.	1.1	47
134	Nonmagnetic molecular Jahn-Teller Mott insulators. <i>Physical Review B</i> , 1997, 55, 13465-13472.	1.1	101
135	Interacting hard-core bosons and surface physics. <i>Surface Science</i> , 1997, 377-379, 514-518.	0.8	1
136	Anisotropy in the two-channel Kondo model: Cross-over from non-Fermi-liquid to Fermi-liquid behavior. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 425-429.	0.5	6
137	Impurity in a Luttinger liquid: A numerical study of the finite-size energy spectrum and of the orthogonality catastrophe exponent. <i>Physical Review B</i> , 1996, 54, R9643-R9646.	1.1	29
138	Magnetic x-ray Compton scattering. <i>Physical Review B</i> , 1996, 53, R5994-R5997.	1.1	36
139	Mapping between multichannel exchange models. <i>Physical Review B</i> , 1996, 54, 10008-10013.	1.1	7
140	Superconductivity from doping a spin-liquid insulator: A simple one-dimensional example. <i>Physical Review B</i> , 1996, 54, 10054-10060.	1.1	52
141	Interplay of orbital degeneracy and superconductivity in a molecular conductor. <i>Physical Review B</i> , 1996, 53, 12086-12093.	1.1	5
142	ELECTRON-PHONON COUPLING CLOSE TO A METAL-INSULATOR TRANSITION IN ONE DIMENSION. <i>International Journal of Modern Physics B</i> , 1996, 10, 1439-1451.	1.0	3
143	Impurity scattering in quantum wires with Coulomb interaction. <i>Journal of Low Temperature Physics</i> , 1995, 99, 583-585.	0.6	0
144	Crossover from Non-Fermi-Liquid to Fermi-Liquid Behavior in the Two Channel Kondo Model with Channel Anisotropy. <i>Physical Review Letters</i> , 1995, 74, 4503-4506.	2.9	67

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145	Anderson-Yuval approach to the multichannel Kondo problem. Physical Review B, 1995, 51, 16088-16097.	1.1	48
146	High Resolution X-Ray Resonant Raman Scattering. Physical Review Letters, 1995, 74, 3700-3703.	2.9	146
147	Interacting one-dimensional electron gas with open boundaries. Physical Review B, 1995, 51, 17827-17841.	1.1	253
148	Disordered flat phase in a solid-on-solid model of fcc(110) surfaces and dimer states in quantum spin-1/2 chains. Physical Review B, 1994, 49, 13886-13896.	1.1	4
149	Magnetic ground-state properties and spectral distributions. I. X-ray-absorption spectra. Physical Review B, 1994, 50, 11466-11473.	1.1	31
150	Toulouse limit for the overscreened four-channel Kondo problem. Physical Review B, 1994, 50, 17732-17735.	1.1	46
151	Coulomb effects in transport properties of quantum wires. Physical Review Letters, 1994, 72, 2235-2238.	2.9	56
152	Scaling theory of the Hall coefficient near the metal-insulator transition, a renormalization-group approach. Nuclear Physics B, 1994, 415, 589-629.	0.9	2
153	Role of transverse hopping in a two-coupled-chains model. Physical Review B, 1993, 48, 15838-15860.	1.1	184
154	Spin-charge separation in a model of two coupled chains. Physical Review Letters, 1993, 70, 226-229.	2.9	40
155	Strong-coupling phases of two Hubbard chains with interchain hopping. Physical Review B, 1992, 46, 3159-3162.	1.1	87
156	Nonperturbative results for few electrons in the two-dimensional Hubbard model. Physical Review B, 1991, 44, 1033-1046.	1.1	38
157	Critical behavior of the thermopower near the metal-insulator transition. Physical Review B, 1991, 43, 11088-11092.	1.1	11