

PUBLICATION LIST

1. International journals

1. S.N. Kempkes, M.R. Slot, J.J. van den Broeke, P. Capiod, W.A. Benalcazar, D. Vanmaekelbergh, D. Bercioux, I. Swart and C. Morais Smith
"Robust zero-energy modes in an electronic higher-order topological insulator"
Nature Materials 18, 1292 (2019). Featured in News and Views, Nat. Materials
2. S.N. Kempkes, M.R. Slot, S.E. Freeney, S.J.M. Zevenhuizen, D. Vanmaekelbergh, I. Swart, and C. Morais Smith
"Design and characterization of electrons in a fractal geometry"
Nature Physics 15, 127 (2019). Featured in Physics Today, Science News, Pour la Science, youtube:Seeker and Multiverse, Volkskrant, Nat. Phys. News and Views, etc
3. M.R. Slot, S.N. Kempkes, E.J. Knol, W.M.J. van Weerdenburg, J.J. van den Broeke, D. Wegner, D. Vanmaekelbergh, A.A. Khajetoorians, C. Morais Smith, and I. Swart
"p-band engineering in artificial electronic lattices"
Phys. Rev. X 9, 011009 (2019)
4. M. A. Lizunova, F. Schreck, C. Morais Smith, and J. van Wezel
"Visualizing the connection between edge states and the mobility edge in adiabatic and non-adiabatic topological charge transport"
Phys. Rev. B 99, 115114 (2019)
5. T. Kvorning, T.H. Hansson, A. Quelle, and C. Morais Smith
"Proposed Spontaneous Generation of Magnetic Fields by Curved Layers of a Chiral Superconductor"
Phys. Rev. Lett. 120, 217002 (2018), Editor Choice. Featured in the Volkskrant and NRC newspapers
6. E.C. Marino, L.O. Nascimento, V.S. Alves, N. Menezes, and C. Morais Smith
"Quantum-electrodynamical approach to the exciton spectrum in transition-metal dichalcogenides"
2D Materials 5, 041006 (2018)
7. P. Cats, A. Quelle, O. Viyuela, M.A. Martin-Delgado, and C. Morais Smith
"Staircase to Higher-Order Topological Phase Transitions"
Phys. Rev. B 97, 121106 (R) (2018)
8. N. Menezes, C. Morais Smith, and G. Palumbo
"Chern-Simons theory and atypical Hall conductivity in the Varma phase"
Phys. Rev. B 97, 075135 (2018)
9. S. H. Kooi, A. Quelle, W. Beugeling, and C. Morais Smith
"Genesis of the Floquet Hofstadter butterfly"
Phys. Rev. B 98, 115124 (2018)
10. M.R. Slot, T.S. Gardenier, P.H. Jacobse, G.C.P. van Miert, S.N. Kempkes, S.J.M. Zevenhuizen, C. Morais Smith, D. Vanmaekelbergh, and I. Swart
"Experimental realisation and characterisation of an electronic Lieb lattice"
Nature Physics 13, 672 (2017)

11. G. van Miert, C. Ortix, and C. Morais Smith
"Topological origin of edge states in two-dimensional inversion-symmetric insulators and semimetals"
2D Materials **4**, 015023 (2017)
12. N. Menezes, Giandomenico Palumbo, and C. Morais Smith
"Conformal-QED in two-dimensional topological insulators"
Nature Scientific Reports **7**, 14175 (2017)
13. J. S. Caux and C. Morais Smith (invited article)
"Celebrating Haldane's Luttinger-Liquid theory"
Viewpoint for Journal of Physics: Condensed Matter **29**, 151001 (2017)
14. N. Menezes, V.S. Alves, E.C. Marino, L. Nascimento, L.O. Nascimento, and C. Morais Smith
"Spin-g factor due to electronic interactions in graphene"
Phys. Rev. B **95**, 245138 (2017)
15. M. A. Caracanhas, F. Schreck and C. Morais Smith
"Fermi-Bose mixture in mixed dimensions"
New Journal of Physics **19**, 115011 (2017)
16. A. Quelle, C. Weitenberg, K. Sengstock, and C. Morais Smith
"Driving protocol for a Floquet topological phase without static counterpart"
New Journal of Physics **19**, 113010 (2017)
17. A. Quelle and C. Morais Smith
"Resonances in a periodically driven bosonic system"
Phys. Rev. E **96**, 052105 (2017)
18. N. Menezes, Giandomenico Palumbo, and C. Morais Smith
"Excitonic gap generation in thin-film topological insulators "
Journal of Physics: Condensed Matter **29** 335601 (2017)
19. S.N. Kempkes, A. Quelle, C. Morais Smith
"Universality of thermodynamic signatures in topological phases"
Nature Scientific Reports **6**, 38530 (2016)
20. M. Di Liberto, A. Hemmerich, C. Morais Smith
"Topological Varma superfluid in optical lattices"
Phys. Rev. Lett. **117**, 163001 (2016)
21. G. van Miert and C. Morais Smith
"Dirac cones beyond the honeycomb lattice: a symmetry based approach"
Phys. Rev. B **93**, 035401 (2016), Editor choice
22. N. Menezes, Van Sergio Alves, C. Morais Smith
"The influence of a weak magnetic field in the Renormalization-Group functions of (2 + 1)-dimensional Dirac systems"
Eur. Phys. J. B **89**, 27 (2016), Editor choice
23. A. Quelle, T. Kvorning, T.H. Hansson, C. Morais Smith
"Edge Majoranas on locally flat surfaces - the cone and the Möbius band"
Phys. Rev. B **94**, 125137 (2016)

24. Anton Quelle, Emilio Cobanera, Cristiane Morais Smith
 "Thermodynamic signatures of edge states in topological insulators"
Phys. Rev. B **94**, **075133** (2016)
25. Emilio Cobanera, Peter Kristel, Cristiane Morais Smith
 "Quantum Brownian motion in a Landau level"
Phys. Rev. B **93**, **245422** (2016)
26. M. E. Knoester, Z. Papic, C. Morais Smith
 "Electron-solid and electron-liquid phases in graphene"
Phys. Rev. B **93**, **155141** (2016)
27. A. Quelle, M. O. Goerbig, and C. Morais Smith
 "Bandwidth-resonant Floquet states in honeycomb optical lattices"
New J. Phys. **18**, **015006** (2016), invited article
28. W. Beugeling, E. Kalesaki, C. Delerue, Y.-M. Niquet, D. Vanmaekelbergh, and C. Morais Smith
 "Topological states in multi-orbital HgTe honeycomb lattices"
Nature Communications **6**, **6316** (2015). Featured in many websites, in Netherlands, Russia, Brazil
29. E. C. Marino, L. O. Nascimento, V. S. Alves, and C. Morais Smith
 "Interaction induced quantum valley Hall effect in graphene"
Phys. Rev. X **5**, **011040** (2015). Highlight of the Brazilian Physical Society in April 2015, featured in several websites
30. A. Quelle, W. Beugeling, and C. Morais Smith
 "Topological Foquet states on a Moebius band irradiated by circularly polarized light"
invited article, Special Issue on Topological States in Condensed Matter: Physics and Materials Science, **Solid State Communications** **215**, **27** (2015)
31. L. O. Nascimento, V. S. Alves, F. Peña, C. Morais Smith, and E. C. Marino
 "Chiral-Symmetry Breaking in Pseudo Quantum Electrodynamics at Finite Temperature"
Phys. Rev. D **92**, **025018** (2015)
32. F. K. Kunst, C. Delerue, C. Morais Smith, V. Juricic
 "Kekule versus hidden superconducting order in graphene-like systems: Competition and coexistence"
Phys. Rev B **92**, **165423** (2015)
33. S.G. Stuij, P. H. Jacobse, V. Juricic, C. Morais Smith
 "Tuning edge state localization in graphene nanoribbons by in-plane bending"
Phys. Rev. B **92**, **075424** (2015)
34. M. Di Liberto, T. Comparin, T. Kock, M. Oelschlaeger, A. Hemmerich, and C. Morais Smith
 "Controlling coherence via tuning of the population imbalance in a bipartite optical lattice"
Nature Communications **5**, **5735** (2014). Featured at FOM and UU websites
35. E. Kalesaki, C. Delerue, C. Morais Smith, W. Beugeling, G. Allan, and D. Vanmaekelbergh
 "Dirac cones, topological edge states and non-trivial flat bands in two-dimensional semiconductors with a honeycomb nano-geometry"
Phys. Rev. X **4**, **011010** (2014). Featured at FOM and UU websites

36. G. van Miert, V. Juricic, and C. Morais Smith
 “Tight-binding theory of spin-orbit coupling in graphynes”
Phys. Rev. B **90**, 195414 (2014)
37. E. C. Marino, L. O. Nascimento, V. S. Alves, and C. Morais Smith
 “Unitarity of theories containing fractional powers of the d'Alembertian operator”
Phys. Rev. D **90**, 105003 (2014)
38. A. Quelle and C. Morais Smith
 “Dynamical competition between quantum Hall and quantum spin Hall effects”
Phys. Rev. B **90**, 195137 (2014)
39. G. van Miert, C. Morais Smith, and V. Juricic
 “High-Chern-number bands and tunable Dirac cones in beta-graphyne”
Phys. Rev. B **90**, 081406 (R) (2014)
40. M. Di Liberto, D. Malpetti, G. I. Japaridze, and C. Morais Smith
 “Ultracold fermions in a one-dimensional bipartite optical lattice: metal-insulator transitions driven by shaking”
Phys. Rev. A **90**, 023634 (2014)
41. W. Beugeling, A. Quelle, and C. Morais Smith
 “Nontrivial topological states on a Moebius band”
Phys. Rev. B **89**, 235112 (2014)
42. M. Di Liberto, C. E. Creffield, G. I. Japaridze, C. Morais Smith
 “Quantum simulation of correlated-hopping models with fermions in optical lattices”
Phys. Rev. A **89**, 013624 (2014)
43. M. Olschlager, T. Kock, G. Wirth, A. Ewerbeck, C. Morais Smith, and A. Hemmerich
 “Interaction-induced chiral px+ipy superfluid order of bosons in an optical lattice”
New Journal of Physics **15**, 083041 (2013). Selected to appear in the Journal Club for Condensed Matter Physics, Sept. 2013
44. R. van Gelderen, R. Olsen, and C. Morais Smith
 “Screening in multilayer graphene”
Phys. Rev. B **88**, 115414 (2013)
45. R. Olsen, R. van Gelderen, and C. Morais Smith
 “Ferromagnetism in ABC-stacked trilayer graphene”
Phys. Rev. B **87**, 115414 (2013)
46. W. Beugeling, J. C. Everts, and C. Morais Smith
 “Topological phase transitions driven by next-nearest-neighbor hopping in two-dimensional lattices”
Phys. Rev. B **86**, 195129 (2012)
47. W. Beugeling, N. Goldman, and C. Morais Smith
 “Topological phases in a two-dimensional lattice: magnetic field versus spin-orbit coupling”
Phys. Rev. B **86**, 075118 (2012)
48. R. L. Doretto, C. Morais Smith, and A. O. Caldeira
 “Finite-momentum condensate of magnetic excitons in a bilayer quantum Hall system”

Phys. Rev. B **86**, 035326 (2012)

49. W. Beugeling, C.W. Liu, E.G. Novik, L.W. Molenkamp, and C. Morais Smith
“Reentrant topological phases in Mn-doped HgTe quantum wells”
Phys. Rev. B **85**, 195304 (2012)
50. S. Koghee, Lih-King Lim, M. O. Goerbig, and C. Morais Smith
“Merging and alignment of Dirac points in a shaken honeycomb optical lattice”
Phys. Rev. A **85**, 023637 (2012)
51. D. Makogon, I. Spielman, and C. Morais Smith
“Spin-charge-density wave in a squircle-like Fermi surface for ultracold atoms”
EPL **97**, 33002 (2012). **EPL Editor choice 2012**
52. N. Goldman, W. Beugeling, and C. Morais Smith
“Topological phase transitions between chiral and helical spin textures in a lattice with spin-orbit coupling and a magnetic field”
EPL **97**, 23003 (2012). **Editor Highlights, Highly cited paper.**
53. Lih-King Lim, T. Tropenz, and C. Morais Smith
“Internal Josephson Oscillations for Distinct Momenta Bose-Einstein condensates”
Phys. Rev. A **84**, 053609 (2011)
54. R. van Gelderen, Lih-King Lim, and C. Morais Smith
“Spin-and band-ferromagnetism in trilayer graphene”
Phys. Rev. B **84**, 155446 (2011)
55. D. Makogon, R. van Gelderen, R. Roldan, and C. Morais Smith
“Spin-density-wave instability in graphene doped near the van Hove singularity”
Phys. Rev. B **84**, 125404 (2011)
56. A. Lazarides, O. Tielemans, and C. Morais Smith
“Strongly interacting bosons in a one-dimensional optical lattice at incommensurate densities”
Phys. Rev. A **84**, 023620 (2011)
57. M. di Liberto, O. Tielemans, V. Branchina, and C. Morais Smith
“Finite-momentum Bose-Einstein condensates in shaken two-dimensional square optical lattices”
Phys. Rev. A **84**, 013607 (2011)
58. O. Tielemans, A. Lazarides, and C. Morais Smith
“Supersolid phases of dipolar bosons in optical lattices with a staggered flux”
Phys. Rev. A **83**, 013627 (2011)
59. Lih-King Lim, A. Lazarides, A. Hemmerich, and C. Morais Smith
“Competing pairing states for ultracold fermions in optical lattices with an artificial staggered magnetic field”
Phys. Rev. A **82**, 013616 (2010)
60. W. Beugeling, M. O. Goerbig, and C. Morais Smith
“Chern-Simons theory of multicomponent quantum Hall systems”
Phys. Rev. B **81**, 195303 (2010)

61. R. van Gelderen and C. Morais Smith
 “Rashba and intrinsic spin-orbit interactions in biased bilayer graphene”
Phys. Rev. B **81**, **125435** (2010)
62. Lih-King Lim, A. Hemmerich, and C. Morais Smith
 “Artificial Staggered Magnetic Field for ultracold atoms in optical lattices”
Phys. Rev. A **81**, **023404** (2010)
63. D. Makogon, A. Alamir, and C. Morais Smith
 “Effects of disorder and interactions in the quantum Hall ferromagnet”
Phys. Rev. B **81**, **045310** (2010)
64. A. Lazarides, O. Tielemans, and C. Morais Smith
 “Pokrovsky-Talapov model at finite-temperature:a renormalization group analysis”
Phys. Rev. B **80**, **245418** (2009)
65. O. Tielemans, A. Lazarides, D. Makogon, and C. Morais Smith
 “Bilayer quantum Hall system at $\nu_T = 1$: pseudospin models and in-plane magnetic field”
Phys. Rev. B **80**, **205315** (2009)
66. Lih-King Lim, A. Lazarides, A. Hemmerich, and C. Morais Smith
 “Strongly interacting two-dimensional Dirac fermions in a cold atomic system”
EPL **88**, **36001** (2009).
67. O. Poplavsky, M. O. Goerbig, and C. Morais Smith
 “Local density of states of electron-crystal phases in graphene in the quantum Hall regime”
Phys. Rev. B **80**, **195414** (2009). **Editor’s Choice of November 2009**
68. M. E. Lucassen, H. J. Van Driel, C. Morais Smith, and R. A. Duine
 “Current-driven and field-driven domain walls at nonzero temperature”
Phys. Rev. B **79**, **224411** (2009)
69. M. Mink, R. Duine, and C. Morais Smith
 “Vortex-lattice pinning in two-component Bose-Einstein condensates”
Phys. Rev. A **79**, **013605** (2009)
70. C. C. Loois, G. Barkema, and C. Morais Smith
 “Monte Carlo studies of extensions of the Blume-Emery-Griffiths model”
Phys. Rev. B **78**, **184519** (2008)
71. D. Makogon, N. de Jeu, and C. Morais Smith
 “Coupled quantum wires: explaining the observed localized states at the crossing of metallic and semiconducting nanotubes”
Phys. Rev. B **78**, **115123** (2008)
72. R. Duine and C. Morais Smith
 “Creep of current-driven domain-wall lines: Effects of intrinsic versus extrinsic pinning”
Phys. Rev. B **77**, **094434** (2008)
73. Lih-King Lim, C. Morais Smith, and H. T. C. Stoof
 “Correlation effects in ultracold two-dimensional Bose gases”
Phys. Rev. A **78**, **013634** (2008)

74. Lih-King Lim, C. Morais Smith, and A. Hemmerich
 “Staggered-vortex superfluid of ultracold bosons in an optical lattice”
Phys. Rev. Lett. **100**, **130402** (2008)
75. L. Adamska, M. B. Silva Neto, and C. Morais Smith
 “Competing impurities and reentrant magnetism in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-z}\text{Zn}_z\text{O}_4$ revisited: the role of the Dzyaloshinskii-Moriya and XY anisotropies”
Phys. Rev. B **75**, **134507** (2007)
76. D. Makogon, V. Juricic, and C. Morais Smith
 “Transport properties of a quantum wire: the role of extended time-dependent impurities”
Phys. Rev. B **75**, **045345** (2007)
77. A. Villares Ferrer and C. Morais Smith
 “Dynamical localization of a particle coupled to a two-level systems thermal reservoir”
Phys. Rev. B **76**, **214303** (2007)
78. R. Doretto and C. Morais Smith
 “Quantum Hall ferromagnetism in graphene: a SU(4) bosonization approach”
Phys. Rev. B **76**, **195431** (2007)
79. A. Hemmerich and C. Morais Smith
 “Exciting a d-density wave in an optical lattice with driven tunneling”
Phys. Rev. Lett. **99**, **113002** (2007). Editor’s choice of Science magazine: scientific highlights in physics (Sep. 28 2007)
80. D. Makogon, V. Juricic, and C. Morais Smith
 “Transport properties of a Luttinger liquid in the presence of several time-dependent impurities”
Phys. Rev. B **74**, **165334** (2006)
81. A. Villares Ferrer, A. O. Caldeira, C. Morais Smith
 “Optical conductivity of charge carriers interacting with a two-level systems reservoir”
Phys. Rev. B **74**, **184304** (2006)
82. R. Doretto, A. O. Caldeira, and C. Morais Smith
 “A bosonization approach for bilayer quantum Hall systems at $\nu_T = 1$ ”
Phys. Rev. Lett. **97**, **186401** (2006)
83. V. Juricic, M. B. Silva Neto, and C. Morais Smith
 “Lightly doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ as a Lifshitz helimagnet”
Phys. Rev. Lett. **96**, **077004** (2006)
84. M. B. Silva Neto, L. Benfatto, V. Juricic, and C. Morais Smith
 “Magnetic susceptibility anisotropies in a two-dimensional quantum Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interactions”
Phys. Rev. B **73**, **045132** (2006)
85. R. Doretto, M. O. Goerbiger, P. Lederer, A. O. Caldeira, and C. Morais Smith
 “Spin-excitations of the quantum Hall ferromagnet of composite fermions”
Phys. Rev. B **72**, **035341** (2005)
86. V. Juricic, L. Benfatto, A.O. Caldeira and C. Morais Smith

“Dissipative dynamics of topological defects in frustrated Heisenberg spin systems”
Phys. Rev. B **71**, 064421 (2005)

87. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Possible Reentrance of the Fractional Quantum Hall Effect in the Lowest Landau Level”
Phys. Rev. Lett. **93**, 216802 (2004)
88. M. O. Goerbig, P. Lederer, and C. Morais Smith
“On the self-similarity in quantum Hall systems”
Europhys. Lett. **68**, 72 (2004)
89. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Second generation of composite fermions in the Hamiltonian theory”
Phys. Rev. B **69**, 155324 (2004)
90. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Competition between quantum-liquid and electron-solid phases in intermediate Landau levels”
Phys. Rev. B **69**, 115327 (2004)
91. V. Juricic, L. Benfatto, A. O. Caldeira, and C. Morais Smith
“Dynamics of topological defects in a spiral: a scenario for the spin-glass phase of cuprates”
Phys. Rev. Lett. **92**, 137202 (2004)
92. N. Hasselmann, A. H. Castro Neto, and C. Morais Smith
“Spin-glass phase of cuprates”
Phys. Rev. B **69**, 014424 (2004)
93. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Microscopic theory of the reentrant integer quantum Hall effect in the first and second excited Landau levels”
Phys. Rev. B **68**, 241302(R) (2003)
94. L. Benfatto and C. Morais Smith
“Signature of stripe pinning in optical conductivity”
Phys. Rev. B **68**, 184513 (2003)
95. M. O. Goerbig and C. Morais Smith
“Scaling Approach to the Phase Diagram of Quantum Hall Systems”
Europhys. Lett. **63**, 736 (2003)
96. T. Dröse, R. Besseling, P. Kes, and C. Morais Smith
“Plastic Depinning in Artificial Vortex Channels: Competition Between Bulk and Boundary Nucleation”
Phys. Rev. B **67**, 064508 (2003). Selected to appear in the Virtual Journal of Superconductivity
97. M. O. Goerbig and C. Morais Smith
“Magneto-Roton Instabilities and Static Susceptibilities in Higher Landau Levels”
Phys. Rev. B **66**, 241101(R) (2002)
98. N. Hasselmann, A. H. Castro Neto, and C. Morais Smith
“Charge Density Wave Formation in the Low-Temperature-Tetragonal Phase of Cuprates”

Phys. Rev. B **65**, 220511(R) (2002)

99. C. Morais Smith, A. H. Castro Neto, and A. V. Balatsky
“ T_c Suppression in Co-doped Striped Cuprates”
Phys. Rev. Lett. **87**, 177010 (2001)
100. N. Hasselmann, A. H. Castro Neto, and C. Morais Smith
“Topological Defects and the Spin Glass Phase of Cuprates”
Europhys. Lett. **56**, 870 (2001)
101. T. Dröse and C. Morais Smith
“Metastability in Discrete Josephson Transmission Lines”
Phys. Rev. B **61**, 1506 (2000)
102. T. Dröse and C. Morais Smith
“Crossovers in the Thermal Decay of Metastable States in Discrete Systems”
Phys. Rev. B **60**, 9763 (1999)
103. Yu. Dimashko, C. Morais Smith, N. Hasselmann, A. O. Caldeira
“Dynamics of Lattice Pinned Charge Stripes”
Phys. Rev. B **60**, 88 (1999)
104. N. Hasselmann, A. H. Castro Neto, C. Morais Smith, and Yu. Dimashko
“Striped Phase in the Presence of Disorder and Lattice Potentials”
Phys. Rev. Lett. **82**, 2135 (1999)
105. C. Morais Smith, Yu. Dimashko, N. Hasselmann, and A. O. Caldeira
“Dynamics of Stripes in Doped Antiferromagnets”
Phys. Rev. B **58**, 453 (1998)
106. C. Morais Smith
“Decay of Metstable States Close to the Threshold”
Europhys. Lett. **38**, 551 (1997)
107. C. Morais Smith, A. O. Caldeira, and G. Blatter
“Creep of Vortices from Columnar Defects”
Phys. Rev. B **54**, R784 (1996)
108. C. Morais Smith, B. Ivlev, and G. Blatter
“Quantum Intrinsic Hall Creep”
Phys. Rev. B **52**, 10581 (1995)
109. C. Morais Smith, B. Ivlev and G. Blatter
“Macroscopic Quantum Tunneling in a dc SQUID: Instanton Splitting”
Phys. Rev. B **49**, 4033 (1994)
110. P. M. V. B. Barone, C. Morais Smith and D. S. Galvao
“Numerical Study of Transport in a Dissipative Medium”
Phys. Rev. A **45**, 3592 (1992)
111. C. Morais Smith and A. O. Caldeira
“Application of the Generalized Feynman-Vernon Approach to a Simple System: The Damped Harmonic Oscillator”

Phys. Rev. A 41, 3103 (1990)

112. C. Morais Smith and A. O. Caldeira
“Generalized Feynman-Vernon Approach to Dissipative Quantum Systems”
Phys. Rev. A (Rapid Commun.) 36, 3509 (1987)

2. Books (Chapters)

113. A. H. Castro Neto and C. Morais Smith
“Charge Inhomogeneities in Strongly Correlated Systems”
invited review article, in “Strong Interactions in Low Dimensions,” Chap. 9, ed. by D. Baeriswyl and L. Degiorgi, Kluwer Acad. Pub. Dordrecht (2004).
114. N. Hasselmann, A. H. Castro Neto, and C. Morais Smith
“Disorder in Incommensurate Spin Systems”
invited review article, in “Studies of High Temperature Superconductors” vol. 34, 279 ed. A. Narlikar, Nova Science Publishers (2000).

3. Peer-reviewed Conference Proceedings

115. S. Sebastian and C. Morais Smith
“Closing remarks SCES 08”
invited article, *Physica B* **404**, 3335 (2009).
116. M. Ölschäger, G. Wirth, C. Morais Smith, and A. Hemmerich
“Kinetic Thomas-Fermi solutions of the Gross-Pitaevskii equation”
Optics Comm. **282**, 1472 (2009).
117. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Hierarchy of composite-fermions in the Hamiltonian theory”
Physica E, Low Dim. Systems and Nanostructures **34**, 57 (2006).
118. L. Benfatto, M. B. Silva Neto, V. Juricic, and C. Morais Smith
“Derivation of the generalized non-linear sigma model in the presence of the Dzyaloshinskii-Moriya interaction”
Physica B Condensed Matter **378-380**, 449 (2006).
119. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Quantum electronic phases in partially filled Landau levels”
J. Phys. IV (Proceedings ECRYS 2005) **131**, 251 (2005).
120. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Novel composite-fermion phases: crystal, stripes and higher generations”
J. Phys. IV (Proceedings ECRYS 2005) **131**, 285 (2005).
121. M. O. Goerbig, P. Lederer, and C. Morais Smith
“Second Generation of Composite Fermions and the Self-Similarity of the Fractional Quantum Hall Effect”
Int. J. of Mod. Phys. B 18, Nos. **27-29**, 3549 (2004).

122. M. O. Goerbig, P. Lederer, and C. Morais Smith
 “Quantum Phases in Partially Filled Landau Levels”
Int. J. of Mod. Phys. B 18, Nos. **27-29**, 3557 (2004).
123. L. Benfatto and C. Morais Smith
 “Optical response for a discrete stripe”
Physica C **408-410**, 453 (2004).
124. N. Hasselmann, A. H. Castro Neto, and C. Morais Smith
 “Coupling of longitudinal and transverse stripe fluctuations”
Journal of Superconductivity: Incorporating Novel Magnetism **16**, 491 (2003).
125. C. Morais Smith, N. Hasselmann, and A. H. Castro Neto
 “Correlated versus Uncorrelated Stripe Pinning: the Roles of Nd and Zn co-Doping”
American Institute of Physics Conference Proceedings, vol. **554**, 209 (2001).
126. C. Morais Smith, Yu. Dimashko, N. Hasselmann, and A. O. Caldeira
 “Sliding Stripes in 2D Antiferromagnets”
 in “Stripes and Related Phenomena” chap. 15, ed. by A. Bianconi and N. L. Saini, Kluwer Academic/Plenum Publishers (NY) (2000).
127. N. Hasselmann, A. H. Castro Neto, and C. Morais Smith
 “Influence of Disorder and Lattice Potentials on the Striped Phase”
 in “Stripes and Related Phenomena” chap. 10, ed. by A. Bianconi and N. L. Saini, Kluwer Academic/Plenum Publishers (NY) (2000).
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