

## List of Publications

1. F. Iglói: Simple method for the determination of the equivalent hard sphere diameter  
phys. stat. sol.(b) **92**,K85 (1979)
2. F. Iglói: Simple analytic model for the free energy of liquid metals  
J.Phys.F**11**, 315 (1981)
3. F. Iglói and J. Kollár: Cluster perturbation theory for classical fluids.II. Application  
for a hard-sphere reference system  
Phys. Rev.A**23**, 2713 (1981)
4. F. Iglói and J. Kollár: Calculation of the structure of liquid metals  
Proceedings of the 11-th Annual International Symposium on Electronic Structure  
of Metals and Alloys, Gaussig, 1981. (ed. P.Ziesche) p. 154.
5. F. Iglói and J. Kollár: Generalized cluster expansion for real fluids  
Physica **113A**, 343 (1982)
6. F. Iglói and J. Sólyom: Renormalization group study of the Hamiltonian version of  
the Potts model II. Self-dual renormalization group treatment  
Phys. Rev. **B28**, 2785 (1983)
7. F. Iglói and J. Sólyom: Renormalization group study of the Hamiltonian version of  
the Potts model III. Improved results for larger cells  
Phys. Rev. **B28**, 2792 (1983)
8. F. Iglói and J. Sólyom: First-order transition for the (1+1)-dimensional  $Q > 4$  Potts  
model from finite lattice extrapolation  
J.Phys. **C16**, 2833 (1983)
9. F. Iglói, D.V. Kapor, M. Skrinjar and J. Sólyom: The critical behaviour of a quantum  
spin problem with three-spin coupling  
J.Phys. **A16**, 4067 (1983)

10. F. Iglói and J. Sólyom: Phase diagram and critical properties of the (1+1)-dimensional Ashkin-Teller model  
J.Phys. **A17**, 1531 (1984)
11. F. Iglói: Hamiltonian studies of the two dimensional n-component cubic model,I.  
J.Phys. **A19**, 563 (1986)
12. F. Iglói: Hamiltonian studies of the two dimensional n-component cubic model,II.  
The cubic transition  
J.Phys. **A19**, 575 (1986)
13. F. Iglói, D.V. Kapor, M. Skrinjar and J. Sólyom: Series expansion study of first-  
and second-order phase transitions in a model with multispin coupling  
J.Phys. **A19**, 1189 (1986)
14. F. Iglói and C. Vanderzande: Renormalization group study of the (2+1)-dimensional  
Potts model  
Physica **135A**, 347 (1986)
15. F. Iglói: Scaling method for asymptotic analysis of power series  
J.Phys. **A19**, 3077 (1986)
16. F. Iglói and J. Hafner: Density functional theory of freezing with reference liquid  
J.Phys. **C19**, 5799 (1986)
17. F. Iglói: Density functional theory of freezing of the hard sphere liquid into fcc vs  
hcp structures  
J.Phys. **C19**, 6907 (1986)
18. F. Iglói, G. Kahl and J. Hafner: The freezing of simple liquid metals: Density  
functional approach to the structural stability of the crystalline phase  
J.Phys. **C20**, 1803 (1987)
19. F. Iglói, D. Kapor and M. Skrinjar: Critical properties of an S=1 multispin coupling  
Ising model  
J.Phys. **A20**, L245 (1987)

20. F. Iglói: On the universality class of Ising models with mixed two- and three-spin interaction  
J.Phys. **A20**, 2651 (1987)
21. C. Vanderzande and F. Iglói: Critical behaviour and logarithmic corrections of a quantum model with three-spin interaction  
J.Phys. **A20**, 4539 (1987)
22. F. Iglói: Conformal invariance and surface critical behaviour of a quantum chain with three-spin interaction  
J.Phys. **A20**, 5319 (1987)
23. F. Iglói, G. Kahl and J. Hafner: Density functional investigation of the freezing of simple liquid metals  
Zeitschrift fur Physikalische Chemie **156**, 425 (1988)
24. F. Iglói and J. Zittartz: Quantum Ising model with staggered interaction  
Z. Physik **B70**, 387 (1988)
25. F. Iglói: Conformal invariance and critical behaviour of the quantum Ashkin-Teller chain near the decoupling limit  
Nucl. Phys. **B5A**, 15 (1988)
26. F. Iglói and J. Zittartz: The Ising transition lines of the symmetric Ashkin-Teller model  
Z. Physik **B73**, 125 (1988)
27. F. Iglói: Quantum Ising model on a quasiperiodic lattice  
J. Phys. **A21**, L911 (1988)
28. F. Iglói: Quantum Ashkin-Teller model near the decoupling limit  
J. Stat. Phys. **55**, 311 (1989)
29. F. Iglói: Quantum hard rods: critical behavior and conformal invariance  
Phys. Rev. **B40**, 2362 (1989)

30. F. Iglói: Non-universal and surface critical behavior near a defect plane  
Phys. Rev. **B40**, 5187 (1989)
31. F. Iglói: Inhomogeneous critical Ising model  
Phys. Rev. Lett. **64**, 3035 (1990)
32. F. Iglói and J.O. Indekeu: Wetting near grain boundaries and defect planes, and its connection with wetting at walls and free surfaces  
Phys. Rev. **B41**, 6836 (1990)
33. T.W. Burkhardt and F. Iglói: Semi-infinite two-dimensional Ising model with marginally inhomogeneous couplings and conformal invariance  
J. Phys. **A23**, L633 (1990)
34. R. Dekeyser, F. Iglói, F. Mallezie and F. Seno: Analysis of series with stochastic coefficients  
Phys. Rev. **A42**, 1923 (1990)
35. F. Iglói, B. Berche and L. Turban: Critical behavior near a smooth inhomogeneity in the planar Ising model and conformal invariance  
Phys. Rev. Lett. **65**, 1773 (1990)
36. F. Iglói: Collapse Transition of Directed Polymers: Exact Results  
Phys. Rev. **A43**, 3194 (1991)
37. F. Iglói, L. Turban and B. Berche: Critical Behavior Near Multiple Junctions and Dirty Surfaces in the Two-Dimensional Ising Model  
J. Phys. **A24**, L1031 (1991)
38. F. Iglói: Two Interacting Directed Polymers: Exact Solution  
Europhys. Lett. **16**, 171 (1991)
39. I. Peschel, L. Turban and F. Iglói: Critical Behaviour in Parabolic Geometries  
J. Phys. **A24**, L1229 (1991)

40. G. Langie and F. Iglói: Walks on the Penrose Lattice  
J. Phys. A**25**, L487 (1992)
41. F. Iglói: Directed Polymer in an Inhomogeneous Medium  
Europhys. Lett. **19**, 305 (1992)
42. F. Iglói, J.R. Heringa, M.M.F. Philippens, A. Hoogland and J. Blöte: Critical Behaviour of Two Ising Models with near Neighbour Exclusion  
J. Phys. A**25**, 6231 (1992)
43. F. Iglói: Directed Polymer Inside a Parabola: Exact Solution  
Phys. Rev. A**45**, 7024 (1992)
44. F. Iglói and L. Turban: First-Order Line Transitions: A General Scaling Theory with Irrelevant Variables  
Phys. Rev. B**47**, 3404 (1993)
45. F. Iglói: Renormalization for Quantum Systems: Generalized Block Transformations in the Large-L Limit  
Phys. Rev. B**48**, 58 (1993)
46. F. Iglói: Critical Behaviour in Aperiodic Systems  
J. Phys. A**26**, L703 (1993)
47. F. Iglói, I. Peschel and L. Turban: Inhomogeneous Systems with Unusual Critical Behaviour  
Advances in Physics **42**, 683 (1993)
48. F. Iglói and P. Lajkó: Polymer in Gravitational Field  
Physica A**209**, 486 (1994)
49. L. Turban, F. Iglói and B. Berche: Surface Magnetization and Critical Behavior of Aperiodic Ising Quantum Chains  
Phys. Rev. B**49**, 12695 (1994)

50. F. Iglói: Correlations in Random Ising Chains at Zero Temperatures  
J. Phys. A**27**, 2995 (1994)
51. F. Iglói and L. Turban: Relevant Aperiodic Modulation in the Two-Dimensional Ising Model  
Europhys. Lett. **27**, 91 (1994)
52. B. Berche, P-E. Berche, M. Henkel, F. Iglói, P. Lajkó, S. Morgan and L. Turban: Anisotropic Scaling in Layered Aperiodic Ising Systems  
J. Phys. A**28**, L165 (1995)
53. B. Berche and F. Iglói: Realization of Supersymmetric Quantummechanics in Inhomogeneous Ising Models  
J. Phys. A**28**, 3579 (1995)
54. F. Iglói, P. Lajkó and F. Szalma: Critical Behaviour of Hierarchical Ising Models  
Phys. Rev. B**52**, 7159 (1995)
55. D. Karevski, L. Turban and F. Iglói: Radial Aperiodic Perturbation in the Two-Dimensional Ising model and Gap-Exponent Relation  
J. Phys. A**28**, 3925 (1995)
56. F. Iglói and P. Lajkó: On the Critical Temperature of Non-Periodic Ising Models on Hexagonal Lattices  
Z. Phys. B**99**, 281 (1996)
57. F. Iglói and F. Szalma: Interface Fluctuations on a Hierarchical Lattice  
Phys. Rev. E**54**, 1106 (1996)
58. F. Iglói and L. Turban: Common Trends in the Critical Behavior of Ising and Directed Walk Models  
Phys. Rev. Lett. **77**, 1206 (1996)
59. F. Iglói and P. Lajkó: Surface Magnetisation and Surface Correlations in Aperiodic Ising Models  
J. Phys. A**29**, 4803 (1996)

60. F. Iglói and H. Rieger: Density Profiles in Random Quantum Spin Chains  
Phys. Rev. Lett. **78**, 2473 (1997)
61. L. Turban and F. Iglói: Off-diagonal Density Profiles and Conformal Invariance  
J. Phys. A**30**, L105 (1997)
62. F. Iglói and G. Palágyi: Non-Universal Critical Behaviour in the Mean-Field Theory of Inhomogeneous Systems  
Physica A**240**, 685 (1997)
63. F. Iglói, L. Turban, D. Karevski and F. Szalma: Exact Renormalization Group Study of Aperiodic Ising Quantum Chains and Directed Walks  
Phys. Rev. B**56**, 11031 (1997)
64. H. Rieger and F. Iglói: Quantum Critical Dynamics of the Random Transverse-Field Ising Spin Chain  
Europhys. Lett. **39**, 135 (1997)
65. L. Gránásy and F. Iglói: Comparison of Experiments and Modern Theories of Crystal Nucleation  
J. Chem. Phys. **107**, 3634 (1997)
66. W. Selke, F. Szalma, P. Lajkó and F. Iglói: Surface Critical Behavior of two-dimensional Dilute Ising Models  
J. Stat. Phys. **89**, 1079 (1997)
67. F. Iglói, D. Karevski and H. Rieger: Random and Aperiodic Quantum Spin chains: A Comparative Study  
European Physical Journal B**1**, 513 (1998)
68. F. Iglói and H. Rieger: The Random Transverse-Field Ising Spin Chains and Random Walks  
Phys. Rev. B**57**, 11404 (1998).
69. E. Carlon and F. Iglói: Density Profiles, Casimir Amplitudes and Critical Exponents in the Two Dimensional Potts Model: A Density Matrix Renormaliation Study  
Phys. Rev. B**57**, 7877 (1998)

70. F. Iglói, P. Lajkó, W. Selke and F. Szalma: Boundary Critical Behaviour of Two Dimensional Random Ising Models  
J. Phys. A**31**, 2801 (1998)
  
71. B. Berche, P-E. Berche, F. Iglói and G. Palágyi: The McCoy-Wu Model in the Mean-field Approximation  
J. Phys. A**31**, 5193 (1998)
  
72. F. Iglói, D. Karevski and H. Rieger: Comparative Study of the Critical Behavior in One-dimensional Random and Aperiodic Environments  
European Physical Journal B**5**, 613 (1998)
  
73. J-C. Anglés d'Auriac and F. Iglói: Level Statistics of Multispin-coupling models with First and Second Order Phase Transitions  
Phys. Rev. E**58**, 241 (1998)
  
74. F. Iglói and H. Rieger: Anomalous Diffusion in Disordered Media and Random Quantum Spin Chains  
Phys. Rev. E**58**, 4238 (1998)
  
75. F. Iglói and E. Carlon: Boundary and Bulk Phase Transitions in the Two-dimensional  $Q > 4$  state Potts model  
Phys. Rev. B**59**, 3783 (1999)
  
76. F. Iglói, L. Turban and H. Rieger: Anomalous Diffusion in Aperiodic Environments  
Phys. Rev. E**59**, 1465 (1999)
  
77. H. Rieger and F. Iglói: Average Persistence in Random Walks  
Europhys. Lett. **45**, 673 (1999)
  
78. F. Szalma and F. Iglói: Two-dimensional Dilute Ising Models: Critical Behavior Near Defect Lines  
J. Stat. Phys. **95**, 763 (1999)
  
79. F. Iglói, R. Juhász and H. Rieger: Griffiths-McCoy singularities in the Random Transverse-Field Ising Spin Chain  
Phys. Rev. B**59**, 11308 (1999)



80. E. Carlon, F. Iglói, W. Selke and F. Szalma: Interfacial Adsorption in Two-dimensional Potts models  
J. Stat. Phys. **96**, 531 (1999)
  
81. D. Karevski, R. Juhász, L. Turban and F. Iglói: Transverse-field Ising spin chain with inhomogeneous disorder  
Phys. Rev. **B60**, 4195 (1999)
  
82. L. Turban, D. Karevski and F. Iglói: Extended surface disorder in the quantum Ising chain  
J. Phys. **A32**, 3907 (1999)
  
83. G. Palágyi, C. Chatelain, B. Berche and F. Iglói: Boundary critical behaviour of two-dimensional random Potts models  
Eur. Phys. J. **B13**, 357-367 (2000)
  
84. H. Rieger and F. Iglói: Random quantum magnets with long-range correlated disorder: Enhancement of critical and Griffiths-McCoy singularities  
Phys. Rev. Lett. **83**, 3741 (1999)
  
85. H. Rieger, R. Juhász and F. Iglói: Critical exponents of random XX and XY chains: Exact results via random walks  
Eur. Phys. J. **B13**, 409-412 (2000)
  
86. P. Lajkó and F. Iglói: Correlation length - exponent relation for the two-dimensional random Ising model  
Phys. Rev. **E61**, 147-152 (2000)
  
87. F. Iglói, R. Juhász and H. Rieger: Random antiferromagnetic quantum spin chains: Exact results from scaling of rare regions  
Phys. Rev. **B61**, 11552-115568 (2000)
  
88. Y-C. Lin, N. Kawashima, F. Iglói and H. Rieger: Numerical renormalization group study of random transverse Ising models in one and two space dimensions  
Progress in Theor. Phys. (Suppl.) **138**, 479-488 (2000)
  
89. D. Karevski, L. Turban and F. Iglói: Conformal profiles in the Hilhorst-van Leeuwen model  
J. Phys. **A33**, 2663-2673 (2000)

90. F. Iglói and H. Rieger: Long range correlations in the non-equilibrium quantum relaxation of a spin chain  
Phys. Rev. Lett. **85**, 3233-3236 (2000)
91. F. Iglói, R. Juhász and P. Lajkó: Griffiths-McCoy singularities in random quantum spin chains: Exact results through renormalization  
Phys. Rev. Lett. **86**, 1343-1346 (2001)
92. D. Karevski, Y-C. Lin, H. Rieger, N. Kawashima and F. Iglói: Random quantum magnets with broad disorder distribution  
Eur. Phys. J. **B20**, 267-276 (2001)
93. R. Juhász, H. Rieger and F. Iglói: The random-bond Potts model in the large- $q$  limit  
Phys. Rev. **E64**, 056122 (2001), cond-mat/0106217
94. E. Carlon, P. Lajkó and F. Iglói: Disorder induced cross-over effects at quantum critical points  
Phys. Rev. Lett. **87**, 277201 (2001).
95. F. Iglói: Exact renormalization of the random transverse-field Ising spin chain in the strongly ordered and strongly disordered Griffiths phases  
Phys. Rev. **B65**, 064416 (2002), cond-mat/0108350
96. R. Mélin, Y-C. Lin, P. Lajkó, H. Rieger and F. Iglói: Strongly disordered spin ladders  
Phys. Rev. **B65**, 104415 (2002), cond-mat/0112261
97. L. Turban and F. Iglói: Surface induced disorder and aperiodic perturbations at first-order transitions  
Phys. Rev. **B66**, 014440 (2002), cond-mat/0110399
98. J. Hooyberghs, F. Iglói and C. Vanderzande: Strong disorder fixed point in absorbing state phase transitions  
Phys. Rev. Lett. **90** 100601,1-4 (2003), cond-mat/0203610
99. J-Ch. Anglès d'Auriac, F. Iglói, M. Preissmann and A. Sebő: Optimal cooperation and submodularity for computing Potts' partition functions with a large number of states  
J. Phys. **A35**, 6973-83 (2002), cond-mat/0204055

100. F. Iglói and L. Turban: First- and second-order phase transitions in scale-free networks  
Phys. Rev. E **66**, 036140 (2002), cond-mat/0206522
101. R. Juhász and F. Iglói: Percolation in random environment  
Phys. Rev. E **66**, 056113,1-7 (2002), cond-mat/0207157
102. Y.-C. Lin, R. Mélin, H. Rieger and F. Iglói: Low-energy fixed points of random Heisenberg models  
Phys. Rev. B **68**, 024424,1-10 (2003), cond-mat/0211417
103. J-Ch. Anglés d'Auriac, and F. Iglói: Phase transition in the 2d random Potts model in the large- $q$  limit  
Phys. Rev. Lett. **90**, 190601,1-4 (2003); cond-mat/0211543
104. E. Carlon, P. Lajkó, H. Rieger, and F. Iglói: Disorder induced phases in higher spin antiferromagnetic Heisenberg chains  
Phys. Rev. B **69**, 144416 (2004), cond-mat/0301067
105. M. Pleimling, and F. Iglói: Out-of-equilibrium dynamics at surfaces: Cluster dissolution and non-algebraic correlations  
Phys. Rev. Lett. **92**, 145701 (2004), cond-mat/0312583.
106. M.-T. Mercaldo, J-Ch. Anglés d'Auriac, and F. Iglói: Disorder induced rounding of the phase transition in the large  $q$ -state Potts model  
Phys. Rev. E **69**, 056112 (2004), cond-mat/0312532
107. J. Hooyberghs, F. Iglói and C. Vanderzande: Absorbing state phase transitions with quenched disorder  
Phys. Rev. E **69**, 066140 (2004), cond-mat/0402086
108. Y.-C. Lin, H. Rieger and F. Iglói: Antiferromagnetic spin chains with bond alternation and quenched disorder  
J. Phys. Soc. Jp. **73**, 1602 (2004), cond/mat/0402429
109. M. Pleimling, F. Á. Bagaméry, L. Turban, and F. Iglói: Logarithmic corrections in the two-dimensional Ising model in a random surface field  
J. Phys. A **37**, 8001-9 (2004), cond/mat/0402188
110. R. Juhász, L. Santen, and F. Iglói: Partially asymmetric exclusion models with quenched disorder  
Phys. Rev. Lett. **94**, 010601 (2005), cond-mat/0404575.

111. M. Pleimling, and F. Iglói: Nonequilibrium critical dynamics in inhomogeneous systems  
Phys. Rev. B **71**, 094424 (2005), cond-mat/0410432
112. M. T. Mercaldo, J-Ch. Anglès d'Auriac, and F. Iglói: Disorder driven phase transitions of the large  $q$ -state Potts model in  $3d$   
Europhys. Lett. **70**, 733 (2005), cond-mat/0502035
113. F. Iglói and C. Monthus: Strong disorder RG approach of random systems  
Physics Reports **412**, 277-431, (2005) cond-mat/0502448
114. R. Mélin, B. Douçot, and F. Iglói: Strong disorder renormalization group on fractal lattices: Heisenberg models and magnetoresistive effects in tight binding models  
Phys. Rev. B **72** 024205 (2005), cond-mat/0503269
115. F. Á. Bagaméry, L. Turban, and F. Iglói: Two-dimensional Ising model with self-dual biaxially correlated disorder  
Phys. Rev. B **72**, 094202 (2005), cond-mat/0504022.
116. P. Lajkó, E. Carlon, H. Rieger, and F. Iglói: Disorder Induced Phases in the  $S = 1$  Antiferromagnetic Heisenberg Chain  
Phys. Rev. B **72**, 094205 (2005)
117. M. Karsai, R. Juhász, and F. Iglói: Nonequilibrium phase transitions and finite size scaling in weighted scale-free networks  
Phys. Rev. E **73**, 036116 (2006), cond-mat/0504666.
118. R. Juhász, L. Santen, and F. Iglói: The partially asymmetric zero range process with quenched disorder  
Phys. Rev. E **72**, 046129 (2005).
119. L. Környei, M. Pleimling, and F. Iglói: Reentrance during nonequilibrium relaxation  
Europhys. Lett. **73**, 197 (2006), cond-mat/0509372.
120. M. T. Mercaldo, J-Ch. Anglès d'Auriac, and F. Iglói: Critical and tricritical singularities of the three-dimensional random-bond Potts model for large  $q$   
Phys. Rev. E **73**, 026126 (2006), cond-mat/0511203
121. F. Á. Bagaméry, L. Turban, and F. Iglói: Critical behavior at the interface between two systems belonging to different universality classes  
Phys. Rev. B **73**, 144419 (2006), cond-mat/0601282
122. R. Juhász, Y.-C. Lin, and F. Iglói: Strong Griffiths singularities in random systems and their relation to extreme value statistics  
Phys. Rev. B **73**, 224206 (2006), cond-mat/0602084

123. G. Fáth, P. Lajkó, Ö. Legeza, and F. Iglói: Logarithmic delocalization of end spins in the  $S = 3/2$  antiferromagnetic Heisenberg chain  
Phys. Rev. B **73**, 214447 (2006), cond-mat/0603078
124. Y.-C. Lin, H. Rieger, N. Laflorencie and F. Iglói: Strong disorder renormalization group study of  $S = 1/2$  Heisenberg antiferromagnet layers/bilayers with bond randomness, site dilution and dimer dilution  
Phys. Rev. B **74**, 024427 (2006), cond-mat/0604126
125. R. Mélin, and F. Iglói: Strongly disordered Hubbard model in one dimension: spin and orbital infinite randomness and Griffiths phases  
Phys. Rev. B **74**, 155104 (2006), cond-mat/0607269
126. R. Juhász, L. Santen, and F. Iglói: Partially Asymmetric Exclusion Processes with Sitewise Disorder  
Phys. Rev. E **74**, 061101 (2006), cond-mat/0607366
127. L. Környei, and F. Iglói: Geometrical clusters in two-dimensional random-field Ising models  
Phys. Rev. E **75**, 011131 (2007), cond-mat/0610110
128. F. Iglói, R. Juhász, and Z. Zimborás: Entanglement entropy of aperiodic quantum spin chains  
Europhys. Lett. **79**, 37001 (2007), cond-mat/0701527
129. Y.-C. Lin, F. Iglói, and H. Rieger: Entanglement entropy at infinite randomness fixed points in higher dimensions  
Phys. Rev. Lett. **99**, 147202 (2007), arXiv:0704.0418
130. F. Iglói, Y.-C. Lin, H. Rieger, and C. Monthus: Finite-size scaling of pseudo-critical point distributions in the random transverse-field Ising chain  
Phys. Rev. B **76**, 064421 (2007), arXiv:0704.0494
131. M. Karsai, J-Ch. Anglès d'Auriac, and F. Iglói: Rounding of first-order phase transitions and optimal cooperation in scale-free networks  
Phys. Rev. E **76**, 041107 (2007), arXiv:0704.1538
132. M. Pleimling and F. Iglói: Nonequilibrium critical relaxation at a first-order phase transition point  
Europhys. Lett. **79**, 56002 (2007), arXiv:0705.2142
133. P. Lajkó, L. Turban, and F. Iglói: Scaling properties at the interface between different critical subsystems: The Ashkin-Teller model  
Phys. Rev. B **76**, 224423 (2007), arXiv:0709.1322

134. F. Iglói and R. Juhász: Exact relationship between the entanglement entropies of XY and quantum Ising chains  
Europhys. Lett. **81**, 57003 (2008), arXiv:0709.3927
135. L. Környei, M. Pleimling and F. Iglói: Nonequilibrium critical dynamics of the two-dimensional Ising model quenched from a correlated initial state  
Phys. Rev. E **77**, 011127 (2008), arXiv:0710.2829
136. F. Iglói and I. A. Kovács: Griffiths-McCoy singularities in random quantum spin chains: Exact results  
Phys. Rev. B **77**, 144203 (2008), arXiv:0803.2617
137. F. Iglói and Y.-C. Lin: Finite-size scaling of the entanglement entropy of the quantum Ising chain with homogeneous, periodically modulated and random couplings  
J. Stat. Mech. P06004 (2008), arXiv:0803.3610
138. M. Karsai, I. A. Kovács, J-Ch. Anglès d'Auriac, and F. Iglói: Density of critical clusters in strips of strongly disordered systems  
Phys. Rev. E **78**, 061109 (2008), arXiv:0805.2006
139. F. Iglói and L. Turban: Aperiodic Ising model on the Bethe lattice: Exact results  
Phys. Rev. E **78** 031128 (2008), arXiv:0808.3512
140. V. Eisler, F. Iglói and I. Peschel: Entanglement in spin chains with gradients  
J. Stat. Mech. P02011 (2009), arXiv:0810.3788
141. F. Iglói, Zs. Szatmári, and Y.-C. Lin: Entanglement entropy with localized and extended interface defects  
Phys. Rev. B **80**, 024405 (2009), arXiv:0903.3740
142. M. Karsai, J-Ch. Anglès d'Auriac, and F. Iglói: Nonequilibrium dynamics of fully frustrated Ising models at  $T = 0$   
J. Stat. Mech. P07044 (2009), arXiv:0905.3503
143. F. Iglói and L. Turban: Disordered Potts model on the diamond hierarchical lattice: Numerically exact treatment in the large- $q$  limit  
Phys. Rev. B **80**, 134201 (2009), arXiv:0908.3622
144. I. A. Kovács and F. Iglói: Critical behavior and entanglement of the random transverse-field Ising model between one and two dimensions  
Phys. Rev. B **80**, 214416 (2009), arXiv:0909.4442
145. F. Iglói and I. Peschel: On reduced density matrices for disjoint subsystems  
EPL **89**, 40001 (2010), arXiv:0910.5671

146. R. Juhász and F. Iglói: Anomalous diffusion in disordered multi-channel systems  
J. Stat. Mech. P03012 (2010), arXiv:1001.0841
147. I. A. Kovács and F. Iglói: Renormalization group study of the two-dimensional random transverse-field Ising model  
Phys. Rev. B **82**, 054437 (2010), arXiv:1005.4740
148. M. Karsai, J-Ch. Anglès d'Auriac, and F. Iglói: Interface mapping in two-dimensional random lattice models  
J. Stat. Mech. P08027 (2010), arXiv: 1005.5666
149. F. Iglói, M. Pleimling, and L. Turban: Nonequilibrium phase transition in a driven Potts model with friction  
Phys. Rev. E **83**, 041110 (2011), arXiv:1010.0738
150. I. A. Kovács and F. Iglói: Infinite disorder scaling of random quantum magnets in three and higher dimensions  
Phys. Rev. B **83**, 174207 (2011), arXiv:1010.2344
151. F. Iglói and H. Rieger: Quantum relaxation after a quench in systems with boundaries  
Phys. Rev. Lett. **106**, 035701 (2011), arXiv:1011.3664
152. P. Lajkó and F. Iglói: Numerical study of the critical behavior of the Ashkin-Teller model at a line defect  
J. Stat. Mech. P05025 (2011), arXiv:1105.1687
153. I. A. Kovács and F. Iglói: Renormalization group study of random quantum magnets  
J. Phys.: Condens. Matter **23**, 404204 (2011), arXiv:1109.4267
154. U. Divakaran, F. Iglói, H. Rieger: Non-equilibrium quantum dynamics after local quenches  
J. Stat. Mech. P10027 (2011), arXiv:1105.5317
155. H. Rieger and F. Iglói: Semi-classical theory for quantum quenches in finite transverse Ising chains  
Phys. Rev. B **84**, 165117 (2011), arXiv:1106.5248
156. I. A. Kovács and F. Iglói: Universal logarithmic terms in the entanglement entropy of 2d, 3d and 4d random transverse-field Ising models  
EPL **97**, 67009 (2012), arXiv:1108.3942
157. F. Iglói, Zs. Szatmári, and Y.-C. Lin: Entanglement entropy dynamics of disordered quantum spin chains  
Phys. Rev. B **85**, 094417 (2012), arXiv:1201.3695

158. B. Blaß, H. Rieger and F. Iglói: Quantum relaxation and finite size effects in the XY chain in a transverse field after global quenches  
EPL **99**, 30004 (2012), arXiv:1205.3303
159. I. A. Kovács, F. Iglói and J. Cardy: Corner contribution to percolation cluster numbers  
Phys. Rev. B (submitted), arXiv:1210.4671
160. F. Iglói, G. Roósz, and Y.-C. Lin: Nonequilibrium quench dynamics in quantum quasicrystals  
New Journal of Physics (submitted), arXiv:1210.7328
161. I. A. Kovács and F. Iglói: Boundary critical phenomena of the random transverse Ising model in  $D \geq 2$  dimensions  
Phys. Rev. B (submitted), arXiv:1211.2623
162. J-Ch. Anglès d'Auriac, and F. Iglói: Locally self-similar phase diagram of the disordered Potts model on the hierarchical lattice  
Phys. Rev. B (submitted), arXiv:1211.5979