

## List of Publications

### Books, Book Chapters, and Review Articles

1. *Quantum Dot Spintronics: Fundamentals and Applications*, A. Ludwig, B. Sothmann, H. Höpfner, N.C. Gerhardt, J. Nannen, T. Kümmell, J. König, M.R. Hofmann, G. Bacher, and A.D. Wieck, in “Magnetic Nanostructures”, Eds. H. Zabel *et al.*, Springer Tracts in Modern Physics **246**, Springer, 235-268 (2013).
2. *Manipulating Single Spins in Quantum Dots Coupled to Ferromagnetic Leads*, M. Braun, J. König, and J. Martinek, in “CFN Lectures on Functional Nanostructures - Vol. 2”, Eds. Chr. Röthig *et al.*, Lecture Notes in Physics **820**, Springer, 103-124 (2011).
3. *Single-Electron Tunneling in Small Molecules*, M.R. Wegewijs, M.H. Hettler, C. Romeike, A. Thielmann, K. Nowack, and J. König, in “Introducing Molecular Electronics”, Eds. G. Cuniberti *et al.*, Lecture Notes in Physics **680**, Springer, 207-228 (2005).
4. *Quantum Dots Attached to Ferromagnetic Leads: Exchange Field, Spin Precession, and Kondo Effect*, J. König, J. Martinek, J. Barnaś, and G. Schön, in “CFN Lectures on Functional Nanostructures”, Eds. K. Busch *et al.*, Lecture Notes in Physics **658**, Springer, 145-164 (2005).
5. *Ferromagnetism in (III,Mn)V Semiconductors*, J. König, J. Schliemann, T. Jungwirth, and A.H. MacDonald, in “Electronic Structure and Magnetism of Complex Materials”, Eds. D.J. Singh and D.A. Papaconstantopoulos, Springer Series in Material Sciences **54**, Springer, 163-211 (2003).
6. *Theory of Ferromagnetism in Diluted Magnetic Semiconductors*, J. König, H.H. Lin, and A.H. MacDonald, in “Interacting Electrons in Nanostructures”, Eds. R. Haug and H. Schoeller, Lecture Notes in Physics **579**, Springer, 195 - 212 (2001).
7. *Quantum Fluctuations in the Single-Electron Transistor*, J. König, Dissertation, ISBN 3-8265-4696-2, Shaker Verlag, Aachen, 1999.

### Regular Articles and Invited Conference Papers

8. *Flavortronics in Multilevel Quantum Dots*, M. Maurer, J. König, and H. Schoeller, arXiv:2004.05661.

9. *Interaction-induced current asymmetries in resonant transport through interacting quantum-dot spin valves revealed by iterative summation of path integrals*, S. Mundinar, A. Hucht, J. König, and S. Weiss, arXiv:2004.00432.
10. *Relaxation dynamics in a Hubbard dimer coupled to fermionic baths: phenomenological description and its microscopic foundation*, E. Kleinherbers, N. Szpak, J. König, and R. Schützhold, Phys. Rev. B **101**, 125131 (2020).
11. *Real-time detection of single Auger recombination events in a self-assembled quantum dot*, P. Lochner, A. Kurzmann, J. Kerski, P. Stegmann, J. König, A.D. Wieck, A. Ludwig, A. Lorke, and M. Geller Nano Lett. **20**, 1631 (2020).
12. *Relaxation dynamics in double-spin system*, P. Stegmann, J. König, and B. Sothmann, Phys. Rev. B **101**, 075411 (2020).
13. *Optical Detection of Single-Electron Tunneling into a Semiconductor*, A. Kurzmann, P. Stegmann, J. Kerski, R. Schott, A. Ludwig, A.D. Wieck, J. König, A. Lorke, and M. Geller, Phys. Rev. Lett. **122**, 247403 (2019).
14. *Iterative path-integral summations for the tunneling magnetoresistance in interacting quantum-dot spin valves*, S. Mundinar, P. Stegmann, J. König, and S. Weiss, Phys. Rev. B **99**, 195457 (2019).
15. *Revealing attractive electron-electron interaction in a quantum dot by full counting statistics*, E. Kleinherbers, P. Stegmann, and J. König, New. J. Phys. **20**, 073023 (2018).
16. *Coherent dynamics in stochastic systems revealed by full counting statistics*, P. Stegmann, J. König, and S. Weiss, Phys. Rev. B **98**, 035409 (2018).
17. *Odd-triplet superconductivity in single-level quantum dots*, S. Weiss and J. König, Phys. Rev. B **96**, 064529 (2017).
18. *Thermal Conductance of a Single-Electron Transistor*, B. Dutta, J.T. Peltonen, D.S. Antonenko, M. Meschke, M.A. Skvortsov, B. Kubala, J. König, C.B. Winkelmann, H. Courtois, and J.P. Pekola, Phys. Rev. Lett. **119**, 077701 (2017).
19. *Inverse Counting Statistics Based on Generalized Factorial Cumulants*, P. Stegmann and J. König, New J. Phys. **19**, 023018 (2017).

20. *Violation of detailed balance for charge-transfer statistics in Coulomb-blockade systems*,  
P. Stegmann and J. König, Phys. Status Solidi B **254**, 1600507 (2017).
21. *Short-Time Counting Statistics of Charge Transfer in Coulomb-Blockade Systems*,  
P. Stegmann and J. König, Phys. Rev. B **94**, 125433 (2016).
22. *Detection of Interactions via Generalized Factorial Cumulants in Systems in and out of Equilibrium*,  
P. Stegmann, B. Sothmann, A. Hucht, and J. König, Phys. Rev. B **92**, 155413 (2015).
23. *Determining Energy Relaxation Length Scales in Two-Dimensional Electron Gases*,  
J. Billiard, D. Backes, J. König, I. Farrer, D. Ritchie, and V. Narayan, Appl. Phys. Lett. **107**, 022104 (2015).
24. *Spin Resonance without Spin Splitting*,  
M. Hell, B. Sothmann, M. Leijnse, M.R. Wegewijs, and J. König, Phys. Rev. B **91**, 195404 (2015).
25. *Unconventional Superconductivity in Double Quantum Dots*,  
B. Sothmann, S. Weiss, M. Governale, and J. König, Phys. Rev. B **90**, 220501(R) (2014).
26. *Mesoscopic Diffusion Thermopower in Two-Dimensional Electron Gases*,  
S. Rojek and J. König, Phys. Rev. B **90**, 115403 (2014).
27. *Spin Pumping through Quantum Dots*,  
S. Rojek, M. Governale, and J. König, Phys. Status Solidi B **251**, 1912 (2014).
28. *Asymmetry of Charge Relaxation Times in Quantum Dots: The Influence of Degeneracy*,  
A. Beckel, A. Kurzmann, M. Geller, A. Ludwig, A.D. Wieck, J. König, and A. Lorke, Europhys. Lett. **106**, 47002 (2014).
29. *Josephson-Majorana Cycle in Topological Single-Electron Hybrid Transistors*,  
N. Didier, M. Gibertini, A.G. Moghaddam, J. König, and R. Fazio, Phys. Rev. B **88**, 024512 (2013).
30. *Zero-Frequency Noise in Adiabatically Driven, Interacting Quantum Systems*,  
R.P. Riwar, J. Splettstoesser, and J. König, Phys. Rev. B **87**, 195407 (2013).

31. *Theory of Spin Pumping through an Interacting Quantum Dot Tunnel Coupled to a Ferromagnet with Time-Dependent Magnetization*,  
N. Winkler, M. Governale, and J. König, Phys. Rev. B **87**, 155428 (2013).
32. *Adiabatic Pumping through an Interacting Quantum Dot with Spin-Orbit Coupling*,  
S. Rojek, J. König, and A. Shnirman, Phys. Rev. B **87**, 075305 (2013).
33. *Renormalization Effects in Interacting Quantum Dots Coupled to Superconducting Leads*,  
D. Futterer, J. Swiebodzinski, M. Governale, and J. König, Phys. Rev. B **87**, 014509 (2013).
34. *AC Josephson Transport through Interacting Quantum Dots*,  
B. Hiltcher, M. Governale, and J. König, Phys. Rev. B **86**, 235427 (2012).
35. *Current Fluctuations of Noncollinear Single-Electron Spin-Valve Transistors*,  
S. Lindebaum and J. König, Phys. Rev. B **86**, 125306 (2012).
36. *Transverse Rectification in Density-Modulated Two-Dimensional Electron Gases*,  
A. Ganczarczyk, S. Rojek, A. Quindeau, M. Geller, A. Hucht, C. Notthoff, D. Reuter, A. D. Wieck, J. König, and A. Lorke, Phys. Rev. B **86**, 085309 (2012).
37. *Tunneling-Induced Renormalization in Interacting Quantum Dots*,  
J. Splettstoesser, M. Governale, and J. König, Phys. Rev. B **86**, 035432 (2012).
38. *Mesoscopic Stoner Instability in Metallic Nanoparticles Revealed by Shot Noise*,  
B. Sothmann, J. König, and Y. Gefen, Phys. Rev. Lett. **108**, 166603 (2012).
39. *Driven Superconducting Proximity Effect in Interacting Quantum Dots*,  
A.G. Moghaddam, M. Governale, and J. König, Phys. Rev. B **85**, 094518 (2012).
40. *Time Scales in the Dynamics of an Interacting Quantum Dot*,  
L.D. Contreras-Pulido, J. Splettstoesser, M. Governale, J. König, and M. Büttiker, Phys. Rev. B **85**, 075301 (2012).
41. *Theory of Transport through Noncollinear Single-Electron Spin-Valve Transistors*,  
S. Lindebaum and J. König, Phys. Rev. B **84**, 235409 (2011).

42. *Adiabatic Pumping in a Double-Dot Cooper Pair Beam Splitter*,  
B. Hiltcher, M. Governale, J. Splettstoesser, and J. König, Phys. Rev. B **84**, 155403 (2011).
43. *Band-Mixing-Mediated Andreev Reflection of Semiconductor Holes*,  
D. Futterer, M. Governale, U. Zülicke, and J. König, Phys. Rev. B **84**, 104526 (2011).
44. *Superconducting Proximity Effect in Interacting Quantum Dots Revealed by Shot Noise*,  
A. Braggio, M. Governale, M. Pala, and J. König, Solid State Commun. **151**, 155-158 (2011).
45. *Transport through Quantum-Dot Spin Valves Containing Magnetic Impurities*,  
B. Sothmann and J. König, Phys. Rev. B **82**, 245319 (2010).
46. *Influence of Spin Waves on Transport through Quantum-Dot Spin Valves*,  
B. Sothmann, J. König, and A. Kadigrobov, Phys. Rev. B **82**, 205314 (2010).
47. *Superconducting Proximity Effect in Interacting Double-Dot Systems*,  
J. Eldridge, M. Pala, M. Governale, and J. König, Phys. Rev. B **82**, 184507 (2010).
48. *Spin-Dependent Transport through Quantum-Dot Aharonov-Bohm Interferometers*,  
B. Hiltcher, M. Governale, and J. König, Phys. Rev. B **82**, 165452 (2010).
49. *Probing the Exchange Field of a Quantum-Dot Spin Valve by a Superconducting Lead*,  
B. Sothmann, D. Futterer, M. Governale, and J. König, Phys. Rev. B **82**, 094514 (2010).
50. *Generation of Pure Spin Currents by Superconducting Proximity Effect in Quantum Dots*,  
D. Futterer, M. Governale, and J. König, Europhys. Lett. **91**, 47004 (2010).
51. *Nonequilibrium Current and Noise in Inelastic Tunneling Through a Magnetic Atom*,  
B. Sothmann and J. König, New J. Phys. **12**, 083028 (2010).
52. *Charge and Spin Dynamics in Interacting Quantum Dots*,  
J. Splettstoesser, M. Governale, J. König, and M. Büttiker, Phys. Rev. B **81**, 165318 (2010).

- 
53. *Interference and Interaction Effects in Adiabatic Pumping through Quantum Dots*,  
B. Hiltcher, M. Governale, and J. König, Phys. Rev. B **81**, 085302 (2010).
  54. *Non-Adiabatic Pumping through Interacting Quantum Dots*,  
F. Cavaliere, M. Governale, and J. König, Phys. Rev. Lett. **103**, 216801 (2009).
  55. *Diagrammatic Real-Time Approach to Adiabatic Pumping through Metallic Single-Electron Transistors*,  
N. Winkler, M. Governale, and J. König, Phys. Rev. B **79**, 235309 (2009).
  56. *Spin-Induced Charge Correlations in Transport through Interacting Quantum Dots with Ferromagnetic Leads*,  
S. Lindebaum, D. Urban, and J. König, Phys. Rev. B **79**, 245303 (2009).
  57. *Tunable Dynamical Channel Blockade in Double-Dot Aharonov-Bohm Interferometers*,  
D. Urban and J. König, Phys. Rev. B **79**, 165319 (2009).
  58. *Non-Local Andreev Transport through an Interacting Quantum Dot*,  
D. Futterer, M. Governale, M. Pala, and J. König, Phys. Rev. B **79**, 054505 (2009).
  59. *Coulomb-Interaction Effects in Full Counting Statistics of a Quantum-Dot Aharonov-Bohm Interferometer*,  
D. Urban, J. König, and R. Fazio, Phys. Rev. B **78**, 075318 (2008).
  60. *Adiabatic Charge and Spin Pumping through Quantum Dots with Ferromagnetic Leads*,  
J. Splettstoesser, M. Governale, and J. König, Phys. Rev. B **77**, 195320 (2008).
  61. *Generation and Detection of a Spin Entanglement in Nonequilibrium Quantum Dots*,  
S. Legel, J. König, and G. Schön, New J. Phys. **10**, 045016 (2008).
  62. *Real-Time Diagrammatic Approach to Transport through Interacting Quantum Dots with Normal and Superconducting Leads*,  
M. Governale, M. Pala, and J. König, Phys. Rev. B **77**, 134513 (2008); **78**, 069902(E) (2008).
  63. *Violation of Wiedemann-Franz Law in a Single-Electron Transistor*,  
B. Kubala, J. König, and J. Pekola, Phys. Rev. Lett. **100**, 066801 (2008).

- 
64. *Real-time Renormalization Group and Cutoff Scales in Nonequilibrium Applied to an Arbitrary Quantum Dot in the Coulomb Blockade Regime*,  
T. Korb, F. Reininghaus, H. Schoeller, and J. König, Phys. Rev. B **76**, 165316 (2007).
  65. *Theory of a Magnetically-Controlled Quantum-Dot Spin Transistor*,  
D. Urban, M. Braun, and J. König, Phys. Rev. B **76**, 125306 (2007).
  66. *Non-Equilibrium Josephson and Andreev Current through Interacting Quantum Dots*,  
M. Pala, M. Governale, and J. König, New J. Phys. **9**, 278 (2007); **10**, 099801 (2008).
  67. *Generation of Spin Entanglement in Nonequilibrium Quantum Dots*,  
S. Legel, J. König, G. Burkard, and G. Schön, Phys. Rev. B **76**, 085335 (2007).
  68. *Kondo Quantum Dot Coupled to Ferromagnetic Leads: a Study by Numerical Renormalization Group Technique*,  
M. Sindel, L. Borda, J. Martinek, R. Bulla, J. König, G. Schön, S. Maekawa, and J. von Delft, Phys. Rev. B **76**, 045321 (2007).
  69. *Pumping Through a Quantum Dot in the Proximity of a Superconductor*,  
J. Splettstoesser, M. Governale, J. König, F. Taddei, and R. Fazio, Phys. Rev. B **75**, 235302 (2007).
  70. *Faraday-Rotation Fluctuation Spectroscopy with Static and Oscillating Magnetic Fields*,  
M. Braun and J. König, Phys. Rev. B **75**, 085310 (2007).
  71. *Adiabatic Pumping through Interacting Quantum Dots: A Perturbation Expansion in the Tunnel Coupling*,  
J. Splettstoesser, M. Governale, J. König, and R. Fazio, Phys. Rev. B **74**, 085305 (2006).
  72. *Frequency-Dependent Current Noise through Quantum-Dot Spin Valves*,  
M. Braun, J. König, and J. Martinek, Phys. Rev. B **74**, 075328 (2006).
  73. *Quantum-Fluctuation Effects in the Thermopower of a Single-Electron Transistor*,  
B. Kubala and J. König, Phys. Rev. B **73**, 195316 (2006).
  74. *Transport in Metallic Multi-Island Coulomb Blockade Systems - a Systematic Perturbative Expansion in the Junction Transparency*,  
B. Kubala, G. Johansson, and J. König, Phys. Rev. B **73**, 165316 (2006).

- 
75. *Full Counting Statistics in Strongly Interacting Systems: Non-Markovian Effects*,  
A. Braggio, J. König, and R. Fazio, Phys. Rev. Lett. **96**, 026805 (2006).
  76. *Tunneling Resonances in Quantum Dots: Coulomb Interaction Modifies the Width*,  
J. Königmann, B. Kubala, J. König, and R. Haug, Phys. Rev. B **73**, 033313 (2006).
  77. *Adiabatic Pumping through Interacting Quantum Dots*,  
J. Splettstoesser, M. Governale, J. König, and R. Fazio, Phys. Rev. Lett. **95**, 246803 (2005).
  78. *Probing Level Renormalization by Sequential Transport through Double Quantum Dots*,  
B. Wunsch, M. Braun, J. König, and D. Pfannkuche, Phys. Rev. B **72**, 205319 (2005).
  79. *Prospects of High Temperature Ferromagnetism in (Ga,Mn)As Semiconductors*,  
T. Jungwirth, K.Y. Wang, J. Masek, K.W. Edmonds, J. König, J. Sinova, M. Polini, N.A. Goncharuk, A.H. MacDonald, M. Sawacki, R.P. Campion, L.X. Zhao, C.T. Foxon, and B. Gallagher, Phys. Rev. B **72**, 165204 (2005).
  80. *Cotunneling Current and Shot Noise in Quantum Dots*,  
A. Thielmann, M.H. Hettler, J. König, and G. Schön, Phys. Rev. Lett. **95**, 146806 (2005).
  81. *Hanle Effect in Transport through Quantum Dots Coupled to Ferromagnetic Leads*,  
M. Braun, J. König, and J. Martinek, Europhys. Lett. **72**, 294-300 (2005).
  82. *Tunnel Magnetoresistance of Quantum Dots Coupled to Ferromagnetic Leads in the Sequential and Cotunneling Regimes*,  
I. Weymann, J. König, J. Martinek, J. Barnas, and G. Schön, Phys. Rev. B **72**, 115334 (2005).
  83. *Gate-Controlled Spin-Splitting in Quantum Dots with Ferromagnetic Leads in the Kondo Regime*,  
J. Martinek, M. Sindel, L. Borda, J. Barnas, R. Bulla, J. König, G. Schön, S. Maekawa, and J. von Delft, Phys. Rev. B **72**, 121302(R) (2005).
  84. *Zero-Bias Anomaly in Cotunneling Transport through Quantum-Dot Spin Valves*,



- I. Weymann, J. Barnas, J. König, J. Martinek, and G. Schön, Phys. Rev. B **72**, 113301 (2005).
85. *Nonmonotonic Charge Occupation in Double Dots*,  
J. König and Y. Gefen, Phys. Rev. B. **71**, 201308(R) (2005).
86. *Comment on “Do Intradot Electron-Electron Interactions Induce Dephasing?”*,  
J. König, Y. Gefen, and A. Silva, Phys. Rev. Lett. **94**, 179701 (2005).
87. *Super-Poissonian Noise, Negative Differential Conductance, and Relaxation Effects in Transport through Molecules, Quantum Dots, and Nanotubes*,  
A. Thielmann, M.H. Hettler, J. König, and G. Schön, Phys. Rev. B **71**, 045341 (2005).
88. *Theory of Transport through Quantum-Dot Spin Valves in the Weak-Coupling Regime*,  
M. Braun, J. König, and J. Martinek, Phys. Rev. B **70**, 195345 (2004).
89. *Theory of Spin Waves in Diluted-Magnetic-Semiconductor Quantum Wells*,  
D. Frustaglia, J. König, and A.H. MacDonald, Phys. Rev. B **70**, 045205 (2004).
90. *Universal Rashba Spin Precession of Two-Dimensional Electrons and Holes*,  
M.G. Pala, M. Governale, J. König, and U. Zülicke, Europhys. Lett. **65**, 850 (2004).
91. *Two-Dimensional Hole Precession in an All-Semiconductor Spin Field Effect Transistor*,  
M.G. Pala, M. Governale, J. König, U. Zülicke, and I. Iannaccone, Phys. Rev. B **69**, 045304 (2004).
92. *Kondo Effect in the Presence of Itinerant-Electron Ferromagnetism Studied with the Numerical Renormalization Group Method*,  
J. Martinek, M. Sindel, L. Borda, J. Barnas, J. König, G. Schön, and J. von Delft, Phys. Rev. Lett. **91**, 247202 (2003).
93. *Kondo Effect in Quantum Dots Coupled to Ferromagnetic Leads*,  
J. Martinek, Y. Utsumi, H. Imamura, J. Barnas, S. Maekawa, J. König, and G. Schön, Phys. Rev. Lett. **91**, 127203 (2003).
94. *Shot Noise in Tunneling Transport through Molecules and Quantum Dots*,  
A. Thielmann, M.H. Hettler, J. König, and G. Schön, Phys. Rev. B **68**, 115105 (2003).
95. *EPR and Ferromagnetism in Diluted Magnetic Semiconductor Quantum Wells*,  
J. König and A.H. MacDonald, Phys. Rev. Lett. **91**, 077202 (2003).

- 
96. *Persistent Spin Currents in Helimagnets*,  
J. Heurich, J. König, and A.H. MacDonald, Phys. Rev. B **68**, 064406 (2003).
  97. *Aharonov-Bohm Interferometry with Quantum Dots - Scattering Approach versus Tunneling Picture*,  
B. Kubala and J. König, Phys. Rev. B **67**, 205303 (2003).
  98. *Interaction-Driven Spin Precession in Quantum-Dot Spin Valves*,  
J. König and J. Martinek, Phys. Rev. Lett. **90**, 166602 (2003).
  99. *Theory of Ferromagnetism in (III,Mn)V Semiconductors*,  
J. König, Festkörperprobleme/Advances of Solid State Physics **42**, 445-456 (2002).
  100. *Curie Temperature Trends in (III,Mn)V Ferromagnetic Semiconductors*,  
T. Jungwirth, J. König, J. Sinova, J. Kučera, and A.H. MacDonald, Phys. Rev. B **66**, 012402 (2002).
  101. *Flux-Dependent Level Attraction in Double-Dot Aharonov-Bohm Interferometers*,  
B. Kubala and J. König, Phys. Rev. B **65**, 245301 (2002).
  102. *Aharonov-Bohm Interferometry with Interacting Quantum Dots: Spin Configurations, Asymmetric Interference Patterns, Bias-Voltage Induced AB Oscillations, and Symmetries of Transport Coefficients*,  
J. König and Y. Gefen, Phys. Rev. B **65**, 045316 (2002).
  103. *Magnetic Domains in III-V Magnetic Semiconductors*,  
T. Dietl, J. König, and A.H. MacDonald, Phys. Rev. B **64**, 241202(R) (2001).
  104. *Theory of Magnetic Properties and Spin-Wave Dispersion for Ferromagnetic (Ga,Mn)As*,  
J. König, T. Jungwirth, and A.H. MacDonald, Phys. Rev. B **64**, 184423 (2001).
  105. *Dissipationless Spin Transport in Thin Film Ferromagnets*,  
J. König, M.C. Bønsager, and A.H. MacDonald, Phys. Rev. Lett. **87**, 187202 (2001).
  106. *Monte Carlo Study of Ferromagnetism in (III,Mn)V Semiconductors*,  
J. Schliemann, J. König, and A.H. MacDonald, Phys. Rev. B **64**, 165201 (2001).
  107. *Kondo Correlations and Fano Effect in Closed Aharonov-Bohm Interferometers*,  
W. Hofstetter, J. König, and H. Schoeller, Phys. Rev. Lett. **87**, 156803 (2001).

- 
108. *König, Lin, and MacDonald Reply*,  
J. König, H.H. Lin, and A.H. MacDonald, Phys. Rev. Lett. **86**, 5637 (2001).
  109. *Coherence and Partial Coherence in Interacting Electron Systems*,  
J. König and Y. Gefen, Phys. Rev. Lett. **86**, 3855-3858 (2001).
  110. *Limits on the Curie Temperature of (III,Mn)V Ferromagnetic Semiconductors*,  
J. Schliemann, J. König, H.H. Lin, and A.H. MacDonald, Appl. Phys. Lett. **78**, 1550-1552 (2001).
  111. *Transport through Quantum Dots and the Kondo Problem*,  
J. König, T. Pohjola, H. Schoeller, and G. Schön, in “Quantum Mesoscopic Phenomena and Mesoscopic Devices in Microelectronics”, NATO ASI Series C **559**, Eds. I.O. Kulik and R. Ellialtioglu, Kluwer, pp. 161 - 167 (2000).
  112. *Theory of Diluted Magnetic Semiconductor Ferromagnetism*,  
J. König, H.H. Lin, and A.H. MacDonald, Phys. Rev. Lett. **84**, 5628-5631 (2000).
  113. *Real-Time Renormalization Group and Strong Tunneling*,  
H. Schoeller and J. König, Physica B **280**, 392-393 (2000).
  114. *Real-Time Renormalization Group: Charge Fluctuations in Metallic Islands and Quantum Dots*,  
H. Schoeller, J. König, F. Kuczera, and G. Schön, J. Low Temp. Phys. **118**, 409-419 (2000).
  115. *Strong Tunneling in Small Quantum Dots: Kondo Effect in Two Model Systems*,  
T. Pohjola, D. Boese, J. König, H. Schoeller, and G. Schön, J. Low Temp. Phys. **118**, 391-399 (2000).
  116. *Real-Time Renormalization Group and Charge Fluctuations in Quantum Dots*,  
H. Schoeller and J. König, Phys. Rev. Lett. **84**, 3686-3689 (2000).
  117. *Strong Tunneling in Double-Island Structures*,  
T. Pohjola, J. König, H. Schoeller, and G. Schön, Phys. Rev. B. **59**, 7579-7589 (1999).
  118. *Level Statistics of Quantum Dots Coupled to Reservoirs*,  
J. König, Y. Gefen, and G. Schön, Phys. Rev. Lett. **81**, 4468-4471 (1998).
  119. *Strong Tunneling in the Single-Electron Box*,  
J. König and H. Schoeller, Phys. Rev. Lett. **81**, 3511-3514 (1998).

120. *Cotunneling and Renormalization Effects for the Single-Electron Transistor*, J. König, H. Schoeller, and G. Schön, Phys. Rev. B **58**, 7882-7892 (1998).
121. *Strong Electron Tunneling in Mesoscopic Tunnel Junctions*, J. König, H. Schoeller, G. Schön, and A.D. Zaikin, in “Nanoscale Science and Technology”, NATO ASI Series E **348**, Eds. N. Garcia, M. Nieto-Vesperinas, and H. Rohrer, Kluwer, pp. 107-126 (1998).
122. *Resonant Tunneling through a Single-Electron Transistor*, J. König, H. Schoeller, and G. Schön, Uspekhi Fiz. Nauk **168**, 170-175 (1998) [Physics Uspekhi **40**, 159-163 (1998)].
123. *Resonant Tunneling through Small Metallic Islands and Quantum Dots*, J. König, H. Schoeller, and G. Schön, Philosophical Magazine B **77**, 1219-1230 (1998).
124. *Strong Electron Tunneling through Mesoscopic Metallic Grains*, D.S. Golubev, J. König, H. Schoeller, G. Schön, and A.D. Zaikin, Phys. Rev. B **56**, 15782-15793 (1997).
125. *Resonant Tunneling through a Two-Level Dot and Double Quantum Dots*, T. Pohjola, J. König, M.M. Salomaa, J. Schmid, H. Schoeller, and G. Schön, Europhys. Lett. **40**, 189-194 (1997).
126. *Cotunneling at Resonance for the Single-Electron Transistor*, J. König, H. Schoeller, and G. Schön, Phys. Rev. Lett. **78**, 4482-4485 (1997).
127. *Zero-bias Anomalies and Boson-Assisted Transport through Small Quantum Dots*, J. König, H. Schoeller, and G. Schön, Festkörperprobleme/Advances of Solid State Physics **35**, 215-227 (1996).
128. *Resonant Tunneling through Ultrasmall Quantum Dots: Zero-Bias Anomalies, Magnetic-Field Dependence, and Boson-Assisted Transport*, J. König, J. Schmid, H. Schoeller, and G. Schön, Phys. Rev. B **54**, 16820-16837 (1996).
129. *Zero-bias Anomalies and Boson-Assisted Tunneling through Quantum Dots*, J. König, H. Schoeller, and G. Schön, Phys. Rev. Lett. **76**, 1715-1718 (1996).
130. *Resonant Tunneling and Coulomb Oscillations*, J. König, H. Schoeller, and G. Schön, Europhys. Lett. **31**, 31-36 (1995).

131. *Resonant Tunneling and Charging Effects, a Path Integral Approach*, J. König, H. Schoeller, G. Schön, and R. Fazio, in “Quantum Dynamics of Submicron Structures”, NATO ASI Series E **291**, Eds. H.A. Cerdeira et al., Kluwer, pp. 221-239 (1995).

### Further Articles and Conference Contributions

132. *Kondo Effect in Single-Molecule Spintronic Devices*, J. Martinek, L. Borda, Y. Utsumi, J. König, J. von Delft, D.C. Ralph, G. Schön, and S. Maekawa, *Journal of Magnetism and Magnetic Materials* **310**, E343-345 (2007).
133. *Spin Current through a Tunnel Junction*, M. Braun, J. König, and J. Martinek, *Superlattices and Microstructures* **37**, 333-336 (2005).
134. *Kondo Effect in Quantum Dots in Presence of Itinerant-Electron Magnetism*, J. Martinek, M. Sindel, L. Borda, Y. Utsumi, H. Imamura, J. Barnas, S. Maekawa, J. König, J. von Delft, and G. Schön, *Proceedings of the International Symposium on Mesoscopic Superconductivity and Spintronics - In the Light of Quantum Computation (MS+S2004)*, pp. 421-426, eds. H. Takayanagi, J. Nitta (World Scientific Publishing Co. Pte. Ltd., 2005, Singapore).
135. *Collective Spin Fluctuations in Diluted Magnetic Semiconductors*, J. König, J. Schliemann, T. Jungwirth, and A.H. MacDonald, *Physica E* **12**, 379-382 (2002).
136. *Ferromagnetism in Diluted Magnetic Semiconductors*, J. König, H.H. Lin, and A.H. MacDonald, *Proceedings of the “25th International Conference on the Physics of Semiconductors”*, Osaka 2000, Eds. N. Miura and T. Ando, p. 232 - 233 (2001).
137. *Ferromagnetism and Spin-Waves in Diluted Magnetic Semiconductors*, J. König, H.H. Lin, and A.H. MacDonald, *Physica E* **10**, 139-142 (2001).
138. *Resonant Tunneling through Quantum Dots*, T. Pohjola, D. Boese, H. Schoeller, J. König, and G. Schön, *Physica B* **284-288**, 1762-1763 (2000).
139. *Quantum Fluctuations and the Kondo Effect in Small Quantum Dots*, J. König, T. Pohjola, H. Schoeller, and G. Schön, *Physica E* **6**, 371-374 (2000).
140. *Strong Tunneling in Single-Electron Devices*, J. König, H. Schoeller, and G. Schön, in “Path Integrals from peV to TeV”, Eds. R. Casalbuoni et al., World Scientific, pp. 422-425 (1999).

141. *Resonant Tunneling through a Single-Level Quantum Dot*,  
J. Schmid, J. König, H. Schoeller, and G. Schön, *Physica E* **1**, 241-244 (1998).
142. *Resonant Tunneling through Small Metallic Islands, a Path Integral Approach*,  
J. König, H. Schoeller, and G. Schön, in “Path Integrals: Dubna '96”, Eds. V.S. Yarunin and M.A. Smondyrev, JINR E96-321, Dubna, pp. 278-283 (1996).
143. *Electron Transport through Small Quantum Dots: Zero-Bias Anomalies and Magnetic Field Dependence*,  
J. König, J. Schmid, H. Schoeller, and G. Schön, *Czech. J. Phys.* **46** S 4, 2399-2400 (1996).

### Diplom Thesis

144. *Resonanztunneln in mesoskopischen Systemen*,  
J. König, Universität Karlsruhe, 1995.

Book Chapters, and a book review. 1. "The Cyberspace Metaphor of Community," in Proceedings of the Conference on Computer Ethics: Philosophical Enquiry, edited by Jeroen van den Hoven, Rotterdam, The Netherlands: Erasmus University Press, 1997, pp. 136-146. 2. Sam O. Imbo (1996). Radical Business Ethics. *Business and Professional Ethics Journal* 15 (4):87-90. 3. "Cyberspace: An Effective Virtual Model for Communities," Chapter Four (pp. 45 ~ 59) in *Community, Diversity, and Difference: Implications for Peace*, edited by Alison Bailey & Paula Smithka, Editions Rodopi, 2002 Reference List: Books. Note: This page reflects the latest version of the APA Publication Manual (i.e., APA 7), which released in October 2019. The equivalent resource for the older APA 6 style can be found here. Please note: the following contains a list of the most commonly cited print book sources.Â Writing your journal article in twelve weeks: A guide to academic publishing success (2nd ed.). University of Chicago Press. Article or Chapter in an Edited Book. Author, A. A., & Author, B. B. (Year of publication). Title of chapter.Â Note: When you list the pages of the chapter or essay in parentheses after the book title, use "pp." before the numbers: (pp. 1-21). This abbreviation, however, does not appear before the page numbers in periodical references. Book titles are italicised, e.g., *Publication manual of the American Psychological Association*. Chapter or section titles within a larger work are not italicised. Translated works: if you used the non-English version of a work, cite using the original title and immediately following that title, give the English translation in brackets.Â Article titles are not italicised. Inclusive page numbers for all articles and chapters in books should be included in the reference list. List page numbers in full (e.g., 132-135, not 132-5). Electronic sources: in general, include the same elements, in the same order, as you would for a reference to a fixed-media source and add as much electronic retrieval information as needed for others to locate the source.