

## Prof. Dr. K. Binder/Publication List 1967-2019

1. K. Binder, H. Rauch: "Berechnung der Richtungsverteilung von Neutronen hinter einem gekrümmten totalreflektierenden Kollimatorschlitz" **ATKE** 12 (1967), p. 145-158.
2. K. Binder, H. Rauch: "Berechnung der spektralen Verteilung von Neutronen hinter einem gekrümmten totalreflektierenden Kollimatorschlitz" **ATKE** 12 (1967), p. 337-342.
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4. K. Binder, H. Rauch: "Calculation of Spin Correlation Functions in a Ferromagnet with a Monte Carlo Method", *Phys. Lett.* **27 A** (1968), p. 247-248
5. K. Binder, H. Rauch: "Numerische Berechnung von Spin-Korrelationsfunktionen und Magnetisierungskurven von Ferromagnetika", *Z. Physik* **219** (1969), p. 201-215.
6. K. Binder: "High Temperature Expansions of Spin Correlation Functions for Ising and Heisenberg Ferromagnets", *Phys. Stat. Sol.* **32** (1969), p. 891-903. K. Binder: "A Monte Carlo Method for the Calculation of the Magnetization of the Classical Heisenberg Model", *Phys. Lett.* **30 A** (1969), p. 273-274.
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13. K. Binder: "Thermodynamics of Finite Spin Systems", *Phys. Stat. Sol.* **46(b)** (1971), p. 567-577.
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15. K. Binder, D. Stauffer: "Monte Carlo Study of the Surface Area of Liquid Droplets", *J. Stat. Phys.* **6** (1972), p. 49-59.

16. K. Binder: "Statistical Mechanics of Finite Ising Models", *Physica* **62** (1972), p. 508-526.
17. H. Müller-Krumbhaar, K. Binder: "A "Self-Consistent" Monte Carlo Method for the Heisenberg Ferromagnet", *Z. Physik* **254** (1972), p. 269-280.
18. H. Müller-Krumbhaar, K. Binder: "Computer Simulation of a Heisenberg-Ferromagnet Magnetization and Static Susceptibilities", *Intern. J. Magnetism* **3** (1972), p. 113-118.
19. K. Binder, P. C. Hohenberg: "Phase Transitions and Static Spin Correlations in Ising Models with Free Surfaces", *Phys. Rev. B* **6** (1972), p. 3461-3487.
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46. K. Binder: "Computer Simulation of Physical Clusters of Water Molecules", *J. Chem. Phys.* (1975), p. 2265-2266.
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