

List of Publications for Anders Rosengren

October 29, 2014

1. B. Johansson and A. Rosengren
Generalized phase diagram for the rare-earth elements: Calculations and correlations of bulk properties
Phys. Rev. B **11**, 2836 (1975).
2. B. Johansson and A. Rosengren
Interpolation scheme for the cohesive energies for the lanthanides and actinides
Phys. Rev. B **11**, 1367 (1975).
3. A. Rosengren and B. Johansson
Lattice dynamics of rubidium
J. Phys. F: Metal Phys. **5**, 629 (1975).
4. A. Rosengren, I. Ebbsjö, and B. Johansson
Calculation of the phonon spectrum in thorium
Phys. Rev. B **12**, 1337 (1975).
5. A. Rosengren and B. Johansson
Alloy theory of the intermediate valence state: Application to europium metal
Phys. Rev. B **13**, 1468 (1976).
6. B. Johansson and A. Rosengren
Pressure dependence of the f level in rare-earth systems
Phys. Rev. B **14**, 361 (1976).
7. A. Rosengren and B. Johansson
DODS and the electron gas
Int. J. Quantum Chem. **VII**, 1033 (1973).
8. B. Johansson and A. Rosengren
The volume difference between ${}^6\text{Li}$ and ${}^7\text{Li}$
J. Phys. F: Metal Phys. **5**, L15 (1975).
9. L. Hedin and A. Rosengren
On temperature broadening in x ray spectra of metals
J. Phys. F: Metal Phys. **7**, 1339 (1977).
10. P. Minnhagen, A. Rosengren, and G. Grinstein
Screening properties of a classical two-dimensional Coulomb gas from the sine-Gordon equation
Phys. Rev. B **18**, 1356 (1978).

11. G. Grinstein, P. Minnhagen, and A. Rosengren
Bosonisation without bosons in the one-dimensional electron gas
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Calculated transition-metal surface core-level binding-energy shifts
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13. B. Johansson and A. Rosengren
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15. A. Rosengren
Surface-core-level shifts for low-index surfaces of W and Ta
Phys. Rev. B **24**, 7393 (1981).
16. A. Rosengren and B. Johansson
Valence instability of the samarium metal surface
Phys. Rev. B **26**, 3068 (1982).
17. A. Rosengren
Two-dimensional self-avoiding walks
Phys. Rev. A **32**, 3838 R (1985).
18. A. Rosengren
On the combinatorial solution of the Ising model
J. Phys. A: Math. Gen. **19**, 1709 (1986).
19. A. Rosengren and B. Lindström
A combinatorial series expansion for the Ising model
Europ. J. Combinatorics **8**, 317 (1987).
20. A. Rosengren
On the number of spanning trees for the 3D simple cubic lattice
J. Phys. A: Math. Gen. **20**, L923 (1987).
21. A. Rosengren
Commensurate phases and devil's staircase
Phys. Rev. B **37**, 1950 (1988).
22. A. Rosengren
Tunga fermioner
KOSMOS, 97 (1988).
23. A. Rosengren and R. Häggkvist
Rigorous solution of a two-dimensional Blume-Emery-Griffiths model
Phys. Rev. Lett. **63**, 660 (1989).

24. A. Rosengren and R. Häggkvist
Rigorous solution of a two-dimensional Blume-Emery-Griffiths model – Reply
Phys. Rev. Lett. **64**, 701 (1990).
25. A. Rosengren and R. Häggkvist
Estimate of $Z(2,4)$ for the loop-gas model on the honeycomb lattice
Phys. Rev. B **42**, 202 (1990).
26. S. Lapinskas, A. Rosengren, and E. E. Tornau
Oxygen ordering and superconducting temperature of $YBa_2Cu_3O_{6+x}$
Physica C **199**, 91 (1992).
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29. A. Rosengren and S. Lapinskas
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Scanning tunnelling microscopy studies of $Pt_{80}Fe_{20}(110)$
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35. S. Lapinskas, E. E. Tornau, and A. Rosengren
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Phys. Rev. B **49**, 15 190 (1994).
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Phys. Rev. Lett. **73**, 720 (1994).
38. E. E. Tornau, S. Lapinskas, A. Rosengren, and V. M. Matic
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Phys. Rev. B **49**, 15 952 (1994).
39. G. Grigelionis and A. Rosengren
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Physica A **208**, 287 (1994).
40. V. Ya. Krivnov, I. L. Shamovsky, E. E. Tornau, and A. Rosengren
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Phys. Rev. B **52**, 9166 (1995).
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