

## Zvi Ovadyahu - List of Publications

1. Structural and Superconducting Properties of Granular Aluminum Films”, G. Deutscher, H. Fenichel, M. Gershenson, E. Grünbaum, and Z. Ovadyahu in “*Low Temperature Physics - LT13*”, edited by K.D. Timmerhaus, W.J. O’Sullivan, and E.F. Hammel (Plenum Press, New York, 573-577, (1973).
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3. “Cooper Limit Measurements on Pb/Cu Films”, Z. Ovadyahu, M. Dayan, G. Deutscher, R. Rosenbaum, and E. Grünbaum in “*Low Temperature Physics-LT15*”, edited by M. Krusius and M. Vuorio (North Holland, Amsterdam, 265-268 (1975).
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5. “Hexagonal Phase in Ultra-Thin Films of Lead”, Z. Ovadyahu, J. Phys. F **10**, 403-409 (1978).
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12. “Transition to a Microscopic Diffusion Regime and Dimensional Crossover in a Disordered Conductor”, Y. Imry and Z. Ovadyahu, J. Phys. C **15**, L327-332 (1982).
13. “Weak Localization in Indium-Oxide Films”, Z. Ovadyahu, S. Moehlecke and Y. Imry, Surf. Sc. **113**, 544-549 (1982).
14. “A Transparent Conducting Coating for a Si:H Based Devices”, Z. Ovadyahu and H. Wiesmann, J. Appl. Phys. **52**, 5865-6 (1981).
15. “Density of States Anomalies in a Disordered Conductor: A Tunneling Study”, Y. Imry and Z. Ovadyahu, Phys. Rev. Lett.. **49**, 841-844 (1982).
16. “Microstructure and Electro-Optical Properties of Evaporated Indium-Oxide Films”, Z. Ovadyahu, B. Ovryn and H.W. Kraner, J. Elect. Chem. Soc.. **130**, 917-21 (1983).
17. “On the Phase-Breaking Time of Electrons in a Disordered Two-Dimensional System”, Z. Ovadyahu, J. Phys. C **16**, L845-848 (1983).
18. “On the role of the Correlation Length Near the Onset of Non-Metallic Conduction”, Z. Ovadyahu and Y. Imry, J. Phys. C **167**, L471-476 (1983).
19. “Inelastic Scattering of Conduction Electrons: Evidence for a New Mechanism”, Z. Ovadyahu, Phys. Rev. Lett.. **52**, 569-571 (1984).
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21. "Observation of a Scale Dependent Quantum-Diffusion near the Metal-Insulator Transition", I. Schwartz, S. Shaft, A. Moalem and Z. Ovadyahu, Phil. Mag. B **50**, 221-227 (1984).
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47. "Optical Absorption and Disorder in an Amorphous Metal" Z. Ovadyahu, Phys. Rev B **47**, 6161 (Rapid Communication) (1993).
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