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 Engineering Conference Samuel C. Collins Award

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W.B. Nottingham

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Thermionic Emission from Oxide Cathodes: Retarding and Accelerating Fields 1950

J. Applied Physics Nottingham

Thermionic Emission 1956

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K. L. Horovitz

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Bell Laboratory

J. Bardeen, W. H. Brattain

W. B. Shockley

1950

Physics Review

Letter

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W.B. Shockley ,

1954

Physics Review

H. Fritzsche

University of Chicago

1989 Oliver E. Buckley Condensed Matter

Fritzsche

N.F. Mott

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Fritzsche

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International Cryogenic Engineering

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(Toyoichiro SHIGI, Okayama Univ. Science)

Joint Sino-Japanese Seminar on Cryocoolers and

Concerned Topics JSJS

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Kurt Mendelsohn 190

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Gorter-Mellink

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四、洪朝生主要论著

- Hung C S, Gliessman J R. 1950. The resistivity and hall effect of germanium at low temperatures. *Phys Rev (Lett)*, 79: 726.
- Hung C S. 1950. Theory of resistivity and hall Effect at very low temperatures. *Phys Rev (Lett)*, 79: 727.
- Hung C S, Johnson V A. 1950. Resistivity of semiconductors containing both acceptors and donors. *Phys Rev (Lett)*, 79: 535.
- Hung C S. 1950. Thermionic emission from oxide cathodes: retarding and accelerating fields. *J Appl Phys*, 21(1): 37.
- Hung C S, Baum R M. 1952. Activation energy of heat treatment introduced lattice defects in germanium. *Phys Rev*, 88(1): 134.
- Hung C S, Hunt B, Winkel P. 1952. Transport phenomena of liquid helium II in narrow slits. *Phys*, 18(8/9): 629.
- Hung C S, Gliessman J R. 1954. Resistivity and hall effect of germanium at low temperatures. *Phys Rev*, 96: 1226.
- Li L F, Hong C S, Li Y Y, Zhang Z. 1996. Martensitic Transformation in ZrO₂-CeO₂ System at Cryogenic Temperatures. *Cryogenics*, 36: 7.
- . 1981. , (2): 1.
- . 2010. ——— 2010 . , 39(11): 773.
- . 2008, . :