

## PUBLICATION LIST OF PING SHENG

### Books

#### Monograph:

"Introduction to Wave Scattering, Localization, and Mesoscopic Phenomena," 2<sup>nd</sup> Edition, **Ping Sheng** (Springer, Heidelberg, 2006) 333 pages.

"Introduction to Wave Scattering, Localization, and Mesoscopic Phenomena," **Ping Sheng** (Academic Press, Boston, 1995) 340 pages.

#### Edited:

"Nanoscale Phenomena: Basic Science to Device Applications," Z. K. Tang and **Ping Sheng**, eds. (Springer, New York, 2008) 248 pages.

"Nano Science and Technology: Novel Structures and Phenomena," Z. K. Tang and **Ping Sheng**, eds. (Taylor and Francis, London, 2003).

Proceedings of the Fifth International Conference on Electrical Transport and Optical Properties of Inhomogeneous Media, P. M. Hui, **Ping Sheng**, L.-H. Tang, eds. *Physica B* (Condensed Matter) volume 279, Nos. 1-3 (North-Holland, the Netherlands, 2000).

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"Energy and the Environment," B. Abeles, A. Jacobson and **Ping Sheng**, eds. (World Scientific Publishing Co., Inc. Singapore, 1992).

"Physical Phenomena in Granular Materials," G. D. Cody, T. H. Geballe and **Ping Sheng**, eds. (Materials Research Society, Pittsburgh, PA, 1990).

"Scattering and Localization of Classical Waves in Random Media," **Ping Sheng**, editor (World Scientific Publishing Co., Inc. Singapore, 1990).

"Introduction to Liquid Crystals," E. B. Priestly, P. J. Wojtowicz and **Ping Sheng**, eds. (Plenum Press, N. Y. 1976).

#### Book Chapters:

["Theoretical Study of Superconductivity in 4-Angstrom Carbon Nanotube Arrays,"](#) T. Zhang, M. Y. Sun, Z. Wang, W. Shi, R. Lortz, Z. K. Tang, N. Wang and **Ping Sheng**, J. J. Haruyama (ed.) (Pan Stanford Publishing, USA, 2015) p.1-35.

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## Book Review

1. [Interactions in Solids](#), Book Review of [Magnetic Resonance in Metals](#) by J. Wintner, **Ping Sheng**, *Science* **176**, 903 (1972).

## Physical Review Letters

1. [Inducing and Manipulating Heteroelectronic States in a Single MoS<sub>2</sub> Thin Flake](#), Q. H. Chen, J. M. Lu, L. Liang, O. Zheliuk, A. Ali, **Ping Sheng** and J. T. Ye, *Phys. Rev. Lett.* **119**, 147002 (2017).
2. [Direct Measurement of Friction of a Fluctuating Contact Line](#), S. Guo, M. Gao, X. M. Xiong, Y. J. Wang, W. P. Wang, **Ping Sheng** and P. Tong, *Phys. Rev. Lett.* **111**, 026101 (2013).
3. [Coupled Membranes with Doubly Negative Mass Density and Bulk Modulus](#), M. Yang, G. C. Ma, Z. Y. Yang and **Ping Sheng**, *Phys. Rev. Lett.* **110**, 134301 (2013).
4. [Large-scale Mesoscopic Transport in Nanostructured Graphene](#), H. J. Zhang, J. M. Lu, W. Shi, Z. Wang, T. Zhang, M. Y. Sun, Y. Zheng, Q. H. Chen, N. Wang, J. J. Lin, **Ping Sheng**, *Phys. Rev. Lett.* **110**, 066805 (2013).
5. [Giant Electrorheological Effect: A Microscopic Mechanism](#), S. Chen, X. Huang, N. F. A. van der Vegt, W. Wen and **Ping Sheng**, *Phys. Rev. Lett.* **105**, 046001 (2010).
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11. [Effective Mass Density of Fluid-Solid Composites](#), J. Mei, Z. Liu, W. Wen and **Ping Sheng**, *Phys. Rev. Lett.* **96**, 024301 (2006).
12. [Electromagnetic-Wave Tunneling Through Negative-Permittivity Media with High Magnetic Fields](#), L. Zhou, W. Wen, C. T. Chan and **Ping Sheng**, *Phys. Rev. Lett.* **94**, 243905 (2005).
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