

PX394: Electrons in Solids

[View Online](#)

1.

Hook JR, Hall HE. Solid state physics [Internet]. 2nd ed., reprinted with corrections. Vol. Manchester Physics Series. Hoboken: Wiley; 1991. Available from: <http://WARW.ebib.com/patron/FullRecord.aspx?p=1212553>

2.

Hook JR, Hall HE, Hall HE. Solid state physics. 2nd ed. Vol. The Manchester physics series. Chichester: Wiley; 1991.

3.

Feng D, Jin G. Introduction to condensed matter physics. Hackensack, NJ: World Scientific; 2005.

4.

Solymar L. Electrical Properties of Materials [electronic resource]. 9th edition. Oxford University Press, 2014;

5.

Solymar L, Walsh D, Syms RRA. Electrical properties of materials. Ninth edition. Oxford, United Kingdom: Oxford University Press; 2014.

6.

Ashcroft NW, Mermin ND. Solid state physics. Australia: [Pacific Grove, CA]; 1976.

7.

Math, Physics, and Engineering Applets [Internet]. Available from:
<http://www.falstad.com/mathphysics.html>

8.

WebElements Periodic Table of the Elements [Internet]. Available from:
<http://www.webelements.com/>

9.

Interview with Dan Shechtman - Media Player at Nobelprize.org [Internet]. Available from:
<http://www.nobelprize.org/mediaplayer/index.php?id=1746>

10.

The Oxford Solid State Basics | University of Oxford Podcasts - Audio and Video Lectures
[Internet]. Available from: <http://podcasts.ox.ac.uk/series/oxford-solid-state-basics>

11.

Blunt MO, Russell JC, Gimenez-Lopez M d. C, Garrahan JP, Lin X, Schroder M, et al. Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. *Science*. 2008 Nov 14;322(5904):1077–81.

12.

Weber B, Mahapatra S, Ryu H, Lee S, Fuhrer A, Reusch TCG, et al. Ohm's Law Survives to the Atomic Scale. *Science*. 2012 Jan 6;335(6064):64–7.

13.

The Wiedemann-Franz law in the SU(N) Wolff model [Internet]. Available from:
<http://arxiv.org/abs/cond-mat/0602374?>

14.

Dingle R, Wiegmann W, Henry C. Quantum States of Confined Carriers in Very Thin $\text{Al}_x\text{Ga}_{1-x}\text{As-GaAs-Al}_x\text{Ga}_{1-x}\text{As}$ Heterostructures. Physical Review Letters. 1974 Sep;33(14):827-30.

15.

Sohrman C. Interactions in the integer quantum Hall effect. [Internet]. United Kingdom: University of Warwick.; 2007. Available from: <http://wrap.warwick.ac.uk/59339/>

16.

Jainendra KJ. The Composite Fermion: A Quantum Particle and Its Quantum Fluids. Physics today [Internet]. 2000;53(4). Available from: <http://0-ejournals.ebsco.com.pugwash.lib.warwick.ac.uk/Direct.asp?AccessToken=95X5IIM8XEXMDQZD4Q1IXKX44REZ8JM55&Show=Object>

17.

Thermoelectric Transport Properties in Disordered Systems Near the Anderson Transition. European physical journal [Internet]. 1999;179(12). Available from: <http://arxiv.org/abs/cond-mat/9904362?>

18.

Gabrielse G. The standard models greatest triumph. Physics today [Internet]. 2013;66(12). Available from: <http://0-scitation.aip.org.pugwash.lib.warwick.ac.uk/content/aip/magazine/physicstoday/article/66/12/10.1063/PT.3.2223>