

PX394: Electrons in Solids

[View Online](#)

1.

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

2.

Hook JR, Hall HE, Hall HE. Solid state physics. 2nd ed. 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, Champness NR, Beton PH. Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. Science. 2008 Nov 14;322(5904):1077–1081.

12.

Weber B, Mahapatra S, Ryu H, Lee S, Fuhrer A, Reusch TCG, Thompson DL, Lee WCT, Klimeck G, Hollenberg LCL, Simmons MY. Ohm's Law Survives to the Atomic Scale. Science. 2012 Jan 6;335(6064):64–67.

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- $\text{Al}_x\text{Ga}_{1-x}\text{As}$ Heterostructures. Physical Review Letters. 1974 Sep;33(14):827-830.

15.

Sohrmann 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]. United States: American Institute of Physics.; 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]. Heidelberg : Springer-Verlag; 1999;179(12). Available from: <http://arxiv.org/abs/cond-mat/9904362?>

18.

Gabrielse G. The standard models greatest triumph. Physics today [Internet]. American Institute of Physics; 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>