

Library of the Institut für Halbleiter- und Festkörperphysik

Topical Categories

- 2D - 2D-Structures: Quantumwells, Superlattices
- ASI - NATO ASI Serie
- BD - Bauelemente and Devices (Devices)
- Div - Diverse (Miscellaneous)
- DVD - Defects, Versetzungen (Dislocations) and Doping
- ExM - Experimental Methods: Vacuum, LT, SEM, TEM, etc.
- FK - Festkörperphysik (Solid State Physics)
- HL - Halbleiterphysik (Semiconductor Physics)
- Mag - Magnetism
- NS - Nanostructures
- OS - Optics and Spectroscopy
- PA - Physik Allgemein (General Physics)
- Proc - Proceedings
- SS - Surface Science
- TN - Tables and Reference Books (Nachschlagewerke)
- TP - Technology and Processing
- WE - Wachstum (Growth), Epitaxy, Thin Films
- XR - X-Ray Diffraction, Crystallography

Title	Authors	Publisher	Catego...	Ins...	Acquisition	Status	Borrower
A Guide to Matlab	Hunt, Lipsman and	Cambridge University	Div	HL	2004	y	
A Primer on Scientific Programming with Python	Langtangen	Springer, 2009	DIV	HL	2009	y	
A Quantum Approach to Condensed Matter Physics	Taylor and Heinonen	Cambridge, 2002	FK	HL	2009	y	
A User's Guide to Ellipsometry	Tompkin	Academic 1993	OS			E	Lost(Schmidegg):
A Users's Guide to Vacuum Technology	O'Hanlon	Wiley, 1989	ExM			y	
Acoustic Noise Measuremens	Brüel and Kjaer	1979	ExM	HL	2012	y	
Advances in the Understanding of Crystal Growth	Nishinaga, et al. (eds.)	North Holland, 1997	PROC			y	
Advanced Theory of Semiconductor Devices	Hess, K.	IEEE Press, 1999	BD		2001-	y	
Advances in Electronics and Electron Physics, Vol. 72	Hawkes (ed.)	Academic 1988	2D			y	
Advances in Epitaxy and Endotaxy	Schneider, Ruth	VEB Verlag, 1971	WE			y	
Advances in Rapid Thermal and Integrated Processing	Roozeboom, F. (Ed.)	Kluwer, 1996	ASI			y	
Advances in Solid State Physics 39	Kramer, Bernhard, Ed.	Vieweg, 1999	HL		2000-HLP	y	
Allgemeine Mechanik	Spiegel	Mc Graw 1976	PA			y	
An Introduction to Synchrotron Radiation	Willmott	Willmott	XRD		2014	y	
Analogies in Optics and Microelectronics	van Haeringen, Lenstra	Kluwer, 1990	2D			y	
Analysis of Microelectronic Materials and Devices	Grassebauer, Werner	Wiley 1991	ExM			y	
Anderson Localization (Springer Proceedings in Physics,	Ando, Fukuyama	Springer, 1988	FK			y	
Anisotropic Elasticity	Ting, T. C. T.	Oxford University Press	FK	HL	2012	y	
Applications of MQW's, Selective Doping and Superlattices	Dingle (ed.)	Academic 1987	2D			y	
Applied Quantum Mechanics	Harrison, W. A.	World Scientific, 2000	PA	HL	2012	y	
Atomic and Electronic Structure of Solids	Kaxirax, Efthimions	Cambridge Univ. Press,	FK	HL	2003-HL	y	
Atomic and Electronic Structure of Surfaces	Lannoo, Friedel	Springer 1991	SS			y	
Atomic and Nanometer-Scale Modification of Materials	Avouris Ph. (Ed.)	Kluwer, 1993	ASI			y	
Atomic Diffusion in III-V Semiconductors	Tuck	A.Hilger 1988	DVD			y	
Atomic Force Microscopy/Scanning Tunneling Microscopy	Cohen, Bray, Lightbody	Plenum Press, 1994	SS			y	
Aufgaben zur Festkörperphysik	Armbrust und JANetzki	Viehweg, 1999	FK	HL	2011	y	
Aufgabensammlung der Physik	Ginsburg	Vieweg 1971	PA			y	
Aufgabensammlung zur Festkörperphysik	Lux-Steiner, Hohl	Springer, 1994	FK			y	
Band Theory and Electronic Properties of Solids	Singleton, J.	Oxford Univ. Press,	FK	HL	2007	f-2015	
Band Theory of Solids: An Introduction from the Point of	Altmann, S. L.	Oxford University	FK			y	
Bands and Bonds in Semiconductors	Philips	Academic 1973	HL			y	
Basic Vacuum Technology	Chambers, Fitch,	Adam Hilger/IOP, 1989	ExM			y	
Berechnungsgrundlage für die Ermittlung von Körperdosen	Albers, W.	Hoffmann Fachverlag,	XRD		2007	y	J.Stangl
Berkeley Physics Course 1 (Mechanics)	Berkeley (div.Autoren)	Vieweg	PA			y	
Berkeley Physics Course 2 (Electricity and Magnetism)	Berkeley (div.Autoren)	Vieweg	PA			y	
Berkeley Physics Course 3	Berkeley (div.Autoren)	Vieweg	PA			y	
Betriebsüberwachung von solaren Heizsystemen...	Ferraro, Turrent, Godoy	TÜV 1987	DIV			y	
Building Electro-Optical Systems	Hobbs, P.C.D.	Wiley, 2009	BD	HL	2009	y	
Cavity Quantum Electrodynamics	Berman, P. R. (Ed.)	Academic Press, 1994	OS			y	
CD-ROM Lernpaket Elektronik & Elektrotechnik	franzis	franzis	Div	HL	2009	DL	E.Vorhauer DL
CD-ROM Lernpaket Mikorcontroller	franzis	franzis	Div	HL	2009	DL	E.Vorhauer DL
CD-ROM Semiconductor Database	vrt-dvd	vrt-dvd	Div	HL	2009	y	E.Vorhauer DL
CdTe and Related Compounds: Physics, Defects, ...	Triboulet, Seifert	Eshevier, 2010	HL	HL	2010	y	
Characterization of Materials, Part I (Vol. 2A of	Lifshin, E. (Ed.)	VCH, 1992	ExM			y	
Characterization of Materials, Part II (Vol. 2B of	Lifshin, E. (Ed.)	VCH, 1994	ExM			y	
Characterization of Semiconductor Materials Vol. 1:	McGuire (Ed)	Noyes Publications	ExM			y	
Charge Transport in Disordered Solids with Applicatcions	Baranovski S., Ed.	Wiley. 2006	FK		2015	y kkk	
Chemical Vapor Deposition for Microelectronics	Sherman, A.	Noyes Publications,	TP			y	
Christian Doppler, Vol.1	Grössing, Kadletz	Böhlau, 1992	DIV			y	
Christian Doppler, Vol.2	Schuster	Böhlau, 1992	DIV			y	
Cleanroom Design	Whyte	Wiley 1991	TP			y	
CMOS Cantilever Sensor Systems	Lange, Brand, Baltes	Springer, 2002	BD	HL	2002	y	
Coherent Optical Interactions in Semiconductors (NATO	Phillips, R. T. (Ed.)	Plenum, 1994	ASI			y	
Cohesion and Structure of Surfaces	Binder, Bowker,	North Holland, 1995	SS			y	
Common Themes and Mechanisms of Epitaxial Growth	Fuoss, Tsao, Kisker,	Mat. Res. Soc., 1993	WE			y	
Composite Fermions	Jain, J. K.	Cambridge	2D	HL	2009	y	
Compound Semiconductor Strained Layers and Devices	Jain, M. Willander, and	Kluwer Academic	WE		2001	y	
Computational Chemistry	Lewars, E. q	Kluwer Academic, 2003	PA	FK	2008	y	

Title	Authors	Publisher	Catego...	Ins...	Acquisition	Status	Borrower
Computer Simulations of Dislocations	Bulatov and Wei Cai	Oxford Univ. Press,	DVD	HL	2010	y	
Comsol Multiphysics Library	Comsol	Comsol 1994	Div	HL	2009	y	
Concepts in Spin Electronics	Maekawa, Ed.	Oxford Science, 2006	HL	HL	2008	y	
Concepts in Surface Physics	Desjonqueres, Spanjaard	Springer, 1996	SS			y	
Concise Encyclopedia of Materials Characterization	Cahn,Lifshin (eds.)	Pergamon 1993	TN			y	
Concise Encyclopedia of Semiconducting Materials &	Mahajan, Kimerling	Pergamon Press,1992	TN			y	
Condensed Matter Physics	Isihara, A.	Oxford University	FK			y	
Condensed Matter Physics	Marder, M.P.	Wiley & Sons, 2000	FK		2001-HP	y	
Condensed Systems of Low Dimensions	Beeby	Plenum, 1990 (NATO	ASI			y	
Confined Electrons and Photons (NATO ASI Vol. 340)	Burstein, Weisbuch	Plenum Press, 1995	ASI			y	
Contacts to Semiconductors	Brillson, L. J.	Noyes Publications,	TP			y	
Contamination Free Manufacturing for Semiconductors and	Donovan, R. P. ed.	Marcel Dekker, 2001	BD	FK	2003	y	
Contrast Techniques in Light Microscopy	Bradbury, Evennett	Bios Scientific Publ.	ExM	HL	2010	y	
Core Level Spectroscopy of Solids	Groot Frank de and Akio	CRC Press, 2008	ExM	FK	2012	y	Ney
Core Level spectroscopy of Solids	Groot de, Kotani	CRC Press 2013	ExM		2014	y	
Crystal Growth 1	Goodman (ed)	Plenum	WE	Exp	Lost:	E	Lost: Ent-
Crystal Growth 2	Bardsley, Hurle, Mullin	North Holland 1979	WE			y	
Crystal Growth 2	Goodman (ed)	Plenum 1978	WE			y	
Crystal Structre Analysis	Glusker J. P. and K. N.	Oxford Univ. Press,	XRD	FK	2012	y	
CVD of Compound Semiconductors	Jones, O'Brien	VCH, 1997	TP			y	
Das Arbeitsbuch zu Turbo Pascal 6.0	Bromm	Sybex, 1991	DIV			y	
Das Dünnschichtspektrum	Stenzel, O.	Akademie Verlag, 1996	OS			f-2015	
Das Turbo Pascal 6.0 Buch	Rollke	Sybex, 1991	DIV			y	
Data in Sci.and Tech.,SC`s,other than group IV and III-V	Madelung (ed.)	Springer 1991	TN			y	
Data in Science and Technol.,SC`s,group IV and III-V	Madelung (ed.)	Springer 1991	TN			y	
Deep Centers in Semiconductors	Pantelides, S.T.	Gordon and Breach,	HL		2002	y	
Defect Engineering in Si Growth, Processing and Device	Ashok, Chevallier,	MRS 1992	DVD			y	
Defects in Semiconductors 17 (Proc), Part 1 - 3	Heinrich, Jantsch (ed.)	Trans Tech Publications	PROC			y	
Der Mensch und die naturwissenschaftl. Erkenntnis	Heitler	Vieweg 1970	DIV			y	
Detection of Light: from the Ultraviolet to the Submillimeter	Rieke, G. H.	Cambridge University	OS			y	
Device and Circuit Cryogenic Operation for Low	Balestra, F. and G.	Kluwer Academic	BD		2001	y	
Diffraction and Imaging Techniques in Mat. Science 1	Amelinckx, Geevers	North Holland 1978	XRD			y	
Diffraction and Imaging Techniques in Mat.Science 2	Amelinckx, Geevers	North Holland 1978	XRD			y	
Diffraction from Rough Surfaces and Dynamic Growth	Yang, Wang, Lu,	World Scientific, 1993	XRD			y	
Diffraction Physics	Cowley	North Holland, 1990	XRD			y	
Diffraction Physics, 3rd edition	Cowley, J. M.	North Holland, 1995	XRD			y	
Diffuse Scattering of X-Rays and Neutrons by Fluctuations	Krivoglaz, M. A.	Springer, 1996	XRD			y	
Diffuse X-Ray Scattering and Models of Disorder	Welberry, T. R.	Oxford Univ. Press,	XRD	HL	2007	y	
Dislocations in Solids IV	Nabarro (ed.)	North Holland	DVD			y	
Dislocations in Solids V	Nabarro (ed).	North Holland	DVD			y	
Doping in III-V Semiconductors	Schubert	Cambridge, 1993	DVD			y	
Dry Etching for VLSI	Roosmalen van	Plenum 1991	TP			y	
Dynamical Properties of Solids III	Horton, Maradudin	N.Holland 1980	FK			y	
Dynamical Properties of Solids IV	Horton, Maradudin	N.Holland 1980	FK			y	
Dynamical Scattering of X-Rays in Crystals	Pinsker	Springer 1978	XRD		Lost:	E	Lost: Entinv.
Dynamical Theory of X-ray Diffraction	Authier, Andre	Oxford Univ. Press,	XRD	HL	2007	y	
Dynamische Module	Sorgatz,A.	Teubner, 1996	Div			y	
Einführung in die Festkörperphysik	Hellwege	Springer 1976	FK			y	
Einführung in die Festkörperphysik	Kopitzky, K.	Teubner, 1989	FK			y	
Einführung in die Festkörperphysik	Kittel, Ch	Oldenburg, 1999	FK		2000-FKP	E	Lost(Thor):
Einführung in die Festkörperphysik, 14. Auflage	Kittel, Ch.	Oldenburg, 205	FK	HL	2008	y	
Einführung in die Festkörperphysik. 6. Auflage	Kopitzki and Herzog	Vieweg+Teubner, 2007	FK	HL	2011	y	
Einführung in die Halbleitertechnologie	Münch, von	Teubner, 1993	TP			y	
Einführung in die Kristallographie	Kleber #1	V.Technik, 1977	XRD			y	
Einführung in die Kristallographie	Kleber #2	V.Technik, 1977	XRD			y	
Einführung in die Physik der Leiterwerkstoffe	Koch, Reinbach	Deuticke, Wien, 1960	FK	FK	2008	y	
Einführung in TEX	Schwarz, N.	Addison-Wesley, 1990	DIV			y	
Elastic Strain Fields and Dislocation Mobility	Indenbom, Lothe (Eds.)	North Holland, 1992	DVD			y	

Title	Authors	Publisher	Catego...	Ins...	Acquisition	Status	Borrower
Electromagnetism	Grant, Phillips	Wiley 1990	PA			y	
Electron Paramagnetic Resonance of Transition Ions, #1	Abraham A., B. Bleaney	Clarendon Press, 1970	MAG	FK	2012	y	K
Electron Paramagnetic Resonance of Transition Ions, #2	Abraham A., B. Bleaney	Clarendon Press, 1970	MAG	FK	2012	y	
Electron Spin Resonance, 2nd Edition	Poole, Jr. C. P.	Dover Publ. 1983	MAG	FK	2012	y	Ney
Electron. Struct. and Properties of Semicond. (Materials	Schröter W. (Ed.)	VCH, 1991	HL			y	
Electron Transport Phenomena in Semiconductors	Askerov, B. M.	World Scientific, 1994	HL			Y	
Electron-Electron Interaction in Disordered Solids	Efros, Pollak (ed.)	North-Holland, 1985	FK			y	
Electronic and Computer Industry Guide to Chemical Safety	Pohanish and S. A.	Wiley & Sons, 1996	TP		2001-HP	y	
Electronic and Optoelectronic Properties of Semiconductor	Singh J.	Cambridge Univ. Press,	HL	HL	2011	y	A.Rastelli 2015
Electronic Materials	Chelikovsky, Franciosi	Springer 1991	FK			y	
Electronic Properties of Multilayers	Chamberlain, Eaves,	Plenum 1990 (NATO)	ASI			y	
Electronic States and Optical Transitions in Semiconductor	Vasko, Kuznetsov	Springer, 1999	2D			y	
Electronic Structure, Basic Theory and Practical Methods	Martin, Richard	Cambridge Univ. Press,	FK	HL	2010	y	
Electronic Transport in Mesoscopic Systems	Datta, S.	Cambridge Univ. Press,	2D			f-2015	
Electrons and Phonons in Semiconductor Multilayers	Ridley, B.	Cambridge University	2D			y	
Electrons in Solids	Bube, R. H.	Academic Press, 1992	FK			y	
Elektrophysik	Neundorf, Pfendtner,	Springer, 1997	HL			y	
Elements of Infrared Technology	Kruse, McGlauchlin,	Wiley, 1962	OS			y	
Elements of Material Science and Engin., Solution Man.	Van Vlack		PA			y	
Elements of Modern X-Ray Physics	Als-Nielsen and Des	Wiley, 2001	XRD			y	
Elements of Modern X-Ray Physics, 2nd Copy	Als-Nielsen and Des	Wiley, 2001	XRD		2008	y	
Elements of Solid State Physics	Rudden, Wilson	Wiley, 1993	FK			y	
Elements of X-Ray Diffraction	Cullity	Addison Wesley 1967	XRD			y	
Encyclopedia of Lasers and Optical Technology	Meyers, R. A. (Ed.)	Academic Press, 1991	BD			y	
Epitaxy of Nanostructure #1	Shchukin, Letendtsov	Springer Verlag, 2004	WE	HL	2003	y	
Epitaxy of Nanostructures #2	Shchukin, Letendtsov	Springer Verlag, 2004	WE	WE	2009	y	
Epitaxy: Physical Principles and Technical Implementation	Herman, Richter, Sitter	Springer Verlag, 2004	WE			y	
Erfolgreicher mit CBM arbeiten	Wunderlich		DIV			y	
Europium Oxide Thin Films	Ross Ulbricht	VDM Verlag Dr.	HL	HL	2010	y	
Experimental Low Temperature Physics	Kent	MacMillan, 1993	ExM			y	
Experimental Organic Chemistry, 2nd Edition	Harwood, Moody, Percy	Blackwell, 1999	DIV		2007	y	
Experimental Techniques in Condensed Matter Physics at	Richardson, Smith	Addison Wesley, 1988	ExM			y	
Experimental Techniques in Low-Temperature Physics	White, G. K.	Oxford Univ. Press,	ExM			y	
Experimentalphysik 1	Demtröder	Springer Spektrum	PA	HL	2014	y kkk	A.Rastelli 2015
Experimentalphysik 1, 7. Aufl., 2015	Demtröder	Springer Spektrum 2015	PA	HL	2015	y	
Experimentalphysik 2	Demtröder	Springer Spektrum	PA	Fest	2014	y	
Experimentalphysik 2	Demtröder	Springer Spektrum	PA	HL	2015	y kein	A.Rastelli 2015
Experimentalphysik 3	Demtröder	Springer	PA	Fest	2014	y	
Exploring Scanning Probe Microscopy with Mathematica	Sarid, D.	Wiley-VCH	SS	HL	2008	y	
Extended Abstracts of the 2007 Int. Conference on Solid	Yokoyama	Japanes Soc. of Applied	PROC		2007	y	
Fast Light, Slow Light and left handed Light	Milonni, P. W.	IOP Publishing, 2005	OS			y	
Femtosecond Laser Pulses	Rulliere (Ed.), C.	Springer, 1998	OS			y	
Festkörperphysik	Ibach-Lüth		FK	Exp		f-2015	länger lost
Festkörperphysik	Gross und Marx	Oldenburg München	FK	FK	2014	f-2015	
Festkörperphysik	Gross R., Marx A.	Oldenburg	FK	HL	2014	y kkk	A.Rastelli 2015
Festkörperphysik, 3. Auflage	Ashcroft, Mermin	Oldenburg, 2007	FK	HL	2008	y	
Festkörperphysik (4.Auflage)	Ibach, Lüth	Springer, 1995	FK			E	Lost: Entin-
Festkörperphysik, 6. Auflage	Ibach und Lüth	Springer Verlag, 2002	FK	HL	2004	y	
Festkörperprobleme Vol. 31	Rössler, Ed.	Vieweg, 1991	PROC			y	
Festkörperprobleme Vol. 32	Rössler, Ed.	Vieweg, 1992	PROC			y	
Festkörperprobleme, Vol. 33	Helbig, R. (Ed.)	Vieweg, 1993	PROC			y	
Festkörperprobleme, Vol. 34	Helbig, R. (Ed.)	Vieweg, 1996	PROC			y	
Festkörperprobleme, Vol. 35	Helbig, R. (Ed.)	Vieweg, 1995	PROC			y	
Festkörperprobleme, Vol. 36	Helbig, R. (Ed.)	Vieweg, 1996	PROC			y	
Festkörperspektroskopie	Kuzmany	Springer, 1990	OS			y	
Festkörpertheorie I	Madelung	Springer 1972	FK			y	
Festkörpertheorie II	Madelung	Springer 1972	FK			y	
Festkörpertheorie II, #2	Madelung	Springer 1972	FK			y	

Title	Authors	Publisher	Catego...	Ins...	Acquisition	Status	Borrower
Festkörpertheorie III	Madelung	Springer 1972	FK			y	
Finite Element and Boundary Element Applications in	Ramdas Ram-Mohan	Oxford Univ. Press,	PA	HL	2007	y	
Forces in Scanning Probe Methods	Güntherodt, Anselmetti,	Kluwer, 1995	ASI			y	
Foundation of Nanomechanics	Cleland, Andrew	Springer Verlag, 2003	NS	HL	2004	y	
Fourier Analysis	Spiegel	Mc Graw 1976	PA			y	
Fractal Concepts in Surface Growth	Barabasi, Stanley	Cambridge University	WE			y	
From Instrumentation to Nanotechnology	Gardner,Hingle (eds)	Gordon 1991	NS			y	
Fundamental Aspects of Ultrathin Dielectrics on Si-Based	Garfunkel, E. Gusev and	Kluwer, 1998 (NATO	ASI		2000-	y	
Fundamentals of Carrier Transport	Lundstrom, Mark	Cambridge Univ. Press,	HL		2000-FKP	y	
Fundamentals of Light Microscopy	Murphy, D.	Wiley, 2001	ExM	HL	2009	y	
Fundamentals of Magnetism	Getzlaff	Springer, 2008	MAG	FK	2009	y	Venkatamaran
Fundamentals of MBE	Tsao	Academic 1992	WE			y	
Fundamentals of Microfabrication	Madou, M. j.	CRC Press, 2002	TP	FK	2003	y	G.Springholz
Fundamentals of Optics, 4th Edition	Jenkins, White	McGraw-Hill, 1981	OS	HL	2008	y	
Fundamentals of Photonics	Saleh, Teich	Wiley, 1991	OS			y	Fromherz?
Fundamentals of Photonics, 2nd Ed.	Saleh, Teich	Wiley, 2007	OS	HL	2011	y	F.Schäffler 2015
Fundamentals of Semiconductor Physics	Yu, Cardona	Springer, 1996	HL			f-2015	
Fundamentals of Semiconductor Physics #2	Yu, Cardona	Springer, 1996	HL			y	
Fundamentals of Semiconductor Physics and Devices	Enderlein, Horing	World Scientific, 1997	HL			y	
Fundamentals of Semiconductor Theory and Device Physics	Wang	Prentice 1989	HL			y	
Fundamentals of Semiconductors (2nd ed.)	Yu, Cardona	Springer, 1999	HL			y	A.Rastelli 2015
Fundamentals of Solid-State Electronics	Sah, C.-T.	World Scientific, 1991	HL			y	
Fundamentals of Solid-State Electronics	Sah, C.-T.	World Scientific, 1991	HL			y	
Future Trends in Micoelectronics The Nano, the Giga and	Luryi S, Xu, J, Zalsavsky	Wiley	Div		2013	y	
Future Trends in Microelectronics Up the Nano Creek	Luryi S, Xu, J, Zalsavsky	Wiley	Div		2013	y	
GaAs and Related Materials: Bulk Semiconducting and	Adachi	World Scientific, 1994	HL			Y	
Germanium-Silicon Strained Layers and Heterostructures	Jain	Academic Press, 1994	2D			f-2015	
Glasfasern: Physik und Technologie	Mitschke, Fedor	Spektrum/Elsevier,	BD		2007	y	
Granular Nanoelectronics	Ferry, Barker, Jacoboni	Plenum 1991 (NATO	ASI			y	
Graphics and Animation in Surface Science	Vvedensky, Holloway	A. Hilger 1992	SS			y	
Growth and Characterization of Semiconductors	Stradling, Klipstein	A. Hilger 1990	WE			y	
Growth Processes and Surface Phase Equilibira in Molecular	Ledentsov, N. N.	Springer, 1999	WE		2000-FKP	y	
Grundlagen der Halbleiterphysik	Madelung	Springer 1970	HL			y	
Grundlagen der Halbleiterphysik	Enderlein, Schenk	Akademie-Verlag 1992	HL			y	
Grundlagen der Halbleiterphysik #2	Madelung	Springer 1970	HL			y	
Grundlagen der optoelektronischen Halbleiterbauelemente	Wagemann, Schmidt	Teubner, 1998	BD			f-2015	Sanduijav ?
Gruppentheorie	Dirl, Kasperkovitz	Vieweg 1977	FK	Exp		y	
Halbleiter, Technische Erläuterungen und Kenndaten	Infineon	Publicisd, 2004	HL	HL	2008	y	
Halbleiter-Ätzverfahren	Löwe, Keppel, Zach	Akademie-Verlag, 1990	TP	HL		y	
Halbleiter-Schaltungstechnik	Tietze, Schenk	Springer, 1993 (10th	DIV			DL	E.Vorhauer DL
Halbleiterphysik	Bonc, Bruevic,	VEB 1980	HL			Y	
Halbleiterphysik	Sauer, R.	Oldenburg 2009	HL	HL	2012	y	
Halbleiterphysik I	Seeger	Vieweg 1992	HL			y	
Halbleiterphysik II	Seeger	Vieweg 1992	HL			y	
Halbleitertechnologie	Beneking, H.	Teubner, 1991	TP			y	
Handbook of Crystal Growth	Hurle D. T. J. (Editor)	North Holland, 1993	WE			y	
Handbook of Crystal Growth	Hurle D. T. J. (Editor)	North Holland, 1993	WE			y	
Handbook of Crystal Growth, Vol. 2a	Hurle, D. T. J. (Ed.)	North-Holland, 1994	WE			y	
Handbook of Crystal Growth, Vol. 2b	Hurle, D. T. J. (Ed.)	North-Holland, 1994	WE			y	
Handbook of Crystal Growth, Vol. 3a	Hurle D. T.J.	North Holland, 1994	WE			y	
Handbook of Crystal Growth, Vol. 3b	Hurle D. T.J.	North Holland, 1994	WE			y	
Handbook of Deposition Technologies for Thin Films and	Bunshah, R. F.	Noyes Publications,	TP			y	
Handbook of Differential Equations	Zwillinger, D.	Academic, 1992	DIV			y	
Handbook of III-V Heterojunction Bipolar Transistors	Liu, W.	Wiley, 1998	BD			y	
Handbook of Intrumentation and Techniques for	Haight, Ross and	World Scientific, 2012	ExM	HL	2012	y	
Handbook of Intrumentation and Techniques for	Haight, Ross and	World Scientific, 2012	ExM	HL	2012	y	
Handbook of Mathematical Formulas and Integrals	Jeffrey, A.	Acadeamic Press, 1995	DIV			y	
Handbook of Nitride Semi- conductors and Devices, Vol. 1	Morokc	Wiley-VCH, 2008	HL	FK	2009	y	

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Handbook of Nitride Semi- conductors and Devices, Vol. 2	Morokc	Wiley-VCH, 2008	HL	FK	2009	y	
Handbook of Nitride Semi- conductors and Devices, Vol. 3	Morokc	Wiley-VCH, 2008	HL	FK	2009	y	
Handbook of Nonlinear Crystals	Dmitriev, Gurzadyan,	Springer, 1997	OS			y	
Handbook of Optical Constants of Solids II	Palik	Academic 1991	OS			y	
Handbook of Plasma Immersion Ion Implantation and	Anders, Andre	John Wiley, 2000	TP	FK	2004	y	
Handbook of Plasma Processing Technology	Rossnagel, Cuomo,	Noyes Publications,	TP			y	
Handbook of Semiconductor Manufacturing Technology	Nishi, Doering	Dekker, 2000	TP		2000-FKP	y	
Handbook of Semiconductor Silicon Technology	O'Mara, Herring, Hunt	Noyes Publications,	TP			y	
Handbook of Silicon Semiconductor Metrology	Diebold, A.C. ed.	Marcel Dekker,2001	BD	FK	2003	y	
Handbook of Spin Transport and Magnetism	Tsymbal E. Y.. I. Zutic,	CRC Press, 2012	MAG	FK	2012	y	Venkatamaran
Handbook of Spin Transport and Magnetism Nr2	Tsymbal E. Y., Zutic I.	CRC Press	Mag			y	
Handbook of Sputter Deposition Technology	Wasa, Hayakawa	Noyes Publications,	TP			y	
Handbook of Thin Film Deposition Processes and	Schuegraf	Noyes Publications,	TP			y	
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Heterojunction Band Discontinuities	Capasso, Margaritondo	North Holland 1987	2D			y	
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High Frequency Techniques	White	Wiley, 2004	BD	FK	2009	y	
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High-Resolution X-ray Scattering from Thin Films and	Pietsch, Holy and	Springer, 2004	XRD	HL	2004	y	
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II-VI Compounds and Semimagnetic Semiconductors	Heinrich, Mullin (Eds.)	Trans Tech.	PROC			y	
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International Tables for Crystallography	Shmueli, U. (Ed.)	Kluwer, 1996	XRD		2000-HLP	y	
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Introduction to Dislocations	Hull, Bacon	Elsevier/Pergamon	DVD			y	
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Introduction to Mesoscopic Physics	Imry, Y.	Oxford University	2D			y	
Introduction to Nonlinear Laser Spectroscopy	Levenson, Kano	Academic Press, 1988	OS			y	
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Introduction to Scanning Tunneling Microscopy	Chen, C. J.	Oxford University	SS			y	
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Introduction to the Electronic Properties of Materials	Jiles, D.	Chapman & Hall, 1994	FK			y	
Introduction to the Physics of Electrons in Solids	Tanner,B. K.	Cambridge University	FK			y	
Introduction to the Theory of the Integer Quantum Hall	Janßen, Viehweger,	VCH, 1994	2D			y	
Introduction to Wave Scattering, Localization, and	Sheng	Academic Press, 1995	2D			y	
Introductory Quantum Optics	Gerry and Knight	Cambridge University	OS		2014	y	R.Trotta 2015
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Ion Implantation in Semiconductors	Chernow,...(eds.)	Plenum 1977	TP			y	
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Laser Guidebook	Hecht	Tab Books	OS			y	
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Physics of Amorphous Semiconductors	Morigaki, K.	World Scientific, 1999	HL			y	
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Physics of DX-Centers in GaAs Alloys	Bourgoin	Sci Tech 1990	DVD			y	
Physics of Hot Electron Transport in Semiconductors	Ting, C. S.	World Scientific, 1992	HL			y	
Physics of Low-Dimensional Semiconductor Structures	Butcher, March, Tosi	Plenum Press, 1993	2D			y	
Physics of Nanostructures (Hardcover)	Davies, Long (eds.) #1	IOP Publishing, 1992	NS			y	
Physics of Nanostructures (Paperback)	Davies, Long (eds.) #2	IOP Publishing, 1992	NS			y	
Physics of Optoelectronic Devices	Chuang, S. L.	Wiley, 1995	BD			y	Fromherz 2014
Physics of Organic Semiconductors	Brütting	Wiley-VCH, 2005	HL	FK	2009	Y	
Physics of Photonic Devices	Chuang, Shun Lien	Wiley, 2009	BD	HL	2011	y	A.Rastelli 2015
Physics of Quantum Electron Devices	Capasso (ed.)	Springer	2D			y	
Physics of Semiconductor Devices	Sze	Wiley	BD	HL		y	Victor Ranguel
Physics of Semiconductor Devices, #2	Sze	Wiley	BD	Exp		E	Lost: Ent-
Physics of Semiconductor Devices, 3rd Edition	Sze and Ng	Wiley, 2007	BD	HL	2009	y	F.Schäffler
Physics of Semiconductors	Sapoval, Hermann	Springer, 1995	HL			y	
Physics of Semiconductors and their Heterostructures	Singh J.	McGraw-Hill, 1993	HL			y	
Physics of Semiconductors in High Magnetic Fields	Miura, N.	Oxford Science, 2008	HL	HL	2008	y	
Physics of Submicron Devices	Ferry, Grondin	Plenum 1991	BD			y	
Physics of the Electron Solid	Chui	Int. Press Publ., 1994	FK			y	
Physik	Halliday, Resnick,	Wiley-VCH, 2003	PA	HL	2007	y	
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Physik, Einführung für Ingenieure und Naturwissenschaftler	Harten	Springer, 2009	PA	HL	2009	y	
Physik für Ingenieure	Dobrinski, Karkau,	Vieweg&Taubner, 2010	PA	HL	2009	y	
Physik griffbereit	Jaworski, Detlaf		PA	Exp		y	
Physik ist überall	Luchner, K.	Oldenbourg, 1998	PA			y	
Physik, Students Solution Manual	Halliday, Resnick,	Wiley-VCH, 2003	PA	HL	2007	y	?
Physik: Themen, Bedeutung und Perspektiven Physikalischer	Scharf	Universitätschriften,	PA			y	
Physik und Technik der Halbleiter	Seiler	1964	HL			y	
Physikalisches Praktikum	Westphal	Vieweg 1974	PA			y	
Physikalisches Taschenbuch	Ebert	Vieweg 1976	PA	Exp		y	
Plasma Etching: An Introduction	Manos, Flamm	Academic Press, 1992	TP			y	
Point Defects in Semiconductors II	Bourgoin,Lannoo	Springer 1983	DVD			y	
Porous Silicon Science and Technology	Vial, Derrien	Les Editions de	HL			y	
Postscript & Acrobat/PDF	Merz, T.	Springer, 1997	Div			y	
Präparationstechniken für die Fehleranalyse an integrierten	Beck	VCH, 1988	TP			y	
Principles and Methods of Temperature Measurements	McGee, T. D.	Wiley, 1988	ExM			y	
Principles of Condensed Matter Physics	Chaikin, Lubensky	Cambridge Univ. Press,	FK			y	
Principles of Electron Tunneling spectroscopy	Wolf	Oxford Science	EXM		2013	y	
Principles of Magnetic Resonance	Slichter	Springer	Mag		2013	y	
Principles of Nonlinear Optical Spectroscopy	Mukamel, S.	Oxford Univ. Press,	OS			y	
Prinzipien der Festkörpertheorie	Ziman	Harri Deutsch, 1975	FK			y	
Probleme aus der Physik	Vogel	Springer 1977	PA			y	
Proc. 12th General Conference of the Condensed Matter	Smid, Velicy, Krisofik	Physica Scripta, Vol	PROC			y	
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Processing of Semiconductors (Vol. 16 of Materials Science	Jackson, K. A. (Ed.)	VCH, 1996	TP			y	
Profilzüchtung von Einkristallen	Rudolph	Akademie 1982	WE			y	
Programmieren in C	Kernighan, Ritchie	Hanser/Prentice-Hall,	Div			y	
Progress in Optics	Wolf, Emil, Ed.	Elshevier, 1999	OS		2000-HLP	y	
Properties of AlGaAs		INSPEC 1991	TN			y	
Properties of Crystalline Silicon	Hull, R. (Ed.)	INSPEC, 1999	TN			y	
Properties of GaAs		INSPEC 1990	TN			y	
Properties of III-V Quantum Wells and Superlattices (emis	Bhattacharya, P.	INSPEC, 1996	TN			y	
Properties of Semiconductor Alloys	Adachi, S.	Wiley, 2009	HL	HL	2009	Y	
Properties of Si		INSPEC 1988	TN			y	
Properties of Silicon Carbide	Harris (Ed.)	INSPEC, 1995	TN			y	
Properties of Strained and Relaxed Silicon Germanium	Kasper E. (Ed.)	Inspec, 1995	TN			y	
Prüfungstrainer Experimentalphysik	Mertins, Gilbert	Spektrum/Elshevier,	PA		2007	y	
Quantenphysik in der Nanowelt	Lüth, Hans	Springer, 2009	NS	HL	2010	y	
Quantitative X-Ray Diffractometry	Zevin, Kimmel	Springer, 1995	XRD			f-2015	Tellaki ??
Quantum Computation and Quantum Information	Nielsen and Chuang	Cambridge University	PA	HL	2002	y	G.Brunthaler
Quantum Computer Science	Mermin, N.D.	Cambridge, 2007	PA	HL	2008	y	
Quantum Computing	Stolze and Suter	Wiley-VCH, 2004	NS	HL	2004	y	G.Brunthaler
Quantum Dot Heterostructures	Bimberg, Grundmann,	Wiley, 1999	NS			y	
Quantum Dot Lasers	Ustinov, Zhukov,	Oxford Science, , 2003	NS	HL	2010	y	
Quantum Dots	Jacak, Hawrylak, Wojs	Springer, 1998	NS			y	
Quantum Electronics	davis	Wiley, 1989	OS			y	Fromherz 2014
Quantum Heterostructures: Microelectronics and	Mitin, Kochelap,	Cambridge Univ. Press,	2D			y	A.Rastelli 2015
Quantum Kinetics in Transport and Optics of	Haug, Jauho	Springer, 1996	HL			y	
Quantum measurement	Braginsky Khalili	Cambridge	EXM		2014?	y	S.Müllegger 2015
Quantum Mechanics for Engineering, Materials Science, and	Kroemer, H.	Prentice Hall, 1994	FK			y	
Quantum Mechanics for Nanostructures	Mitin, Sementsov and	Cambridge Univ. Press,	NS	HL	2011	y	
Quantum Mechanics for Scientist and Engineers, #1	Miller	Cambridge, 2008	PA	HL	2009	y	
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Quantum Mechanics on the MacIntosh	Brandt	Springer 1991	PA			y	

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Quantum Optics	Fox, Mark	Oxford Univ. Press,.	OS	HL	2009	y	R.Trotta 2015
Quantum Optics	Scully and Zubairy	Cambridge University	OS	HL	2014	y	R.Trotta 2015
Quantum Phase Transitions	Sachdev, Subir	Cambridge University	FK	HL	2004	y	
Quantum Physics in One Dimensions	Giamarchi, T.	Oxford Science Publ. ,	NS	HL	2007	y	
Quantum Physics in One Dimensions	Giamarchi	Oxford Science	NS		2013	y	
Quantum Processes in Semiconductors	Ridley	Cklarendon Press, 1993	HL			y	
Quantum Semiconductor Structures	Weisbuch, Vinter #1	Academic, 1991	2D			y	
Quantum Semiconductor Structures	Weisbuch, Vinter #3	Academic, 1991	2D			y	
Quantum Semiconductor Structures	Weisbuch, Vinter #2	Academic, 1991	2D			E	Lost: Entin-
Quantum Theory of Magnetism, 1. Exemplar	Nolting, W and A.	Springer 2009	MAG	FK	2012	y	
Quantum Theory of Magnetism, 2. Exemplar	Nolting, W and A.	Springer 2009	MAG	FK	2012	y	
Quantum Theory of the Opt. and Electron. Prop. of	Haug, Koch	World Scientific 1990	OS			y	
Quantum Theory of the Solid State	Callaway #1	Academic 1991	FK			f-2015	Achleitner
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Quantum Transport in Semiconductors	Ferry, Jacoboni (Eds.)	PlenumPress, 1992	2D			y	
Quantum Well Lasers	Zory	Academic Press, 1993	BD			y	
Quantum Wells, Wires and Dots	Harrison, P.	Wiley & Sons, 2000	NS		2001-HP	y	
Quantum Wells, Wires and Dots, 3rd edition	Harrison, Paul	Wiley, 2009	NS	HL	2010	f-2015	Witzan ?
Radiative Recombination in SC Crystals	Skobel'tsyn		OS	Exp		y	
Random Signals and Noise	Engelberg	CRC Press	Div		2013	y	
Rastertunnelmikroskopie	Hamann, Hietschold	Akademie Verlag, 1991	SS			y	
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Resonant Tunneling in Semiconductors	Chang, Mendez, Tejedor	Plenum, 1991 (NATO	ASI			y	
RHEED and Refl. Electron Imaging of Surfaces	Larsen, Dobson	Plenum, 1988 (NATO	ASI			y	
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Scanning Electron Microscopy and X-ray Microanalysis,.	Goldstein, Newbury, Joy,	Springer 2003	ExM	HL	2010	y	
Scanning Force Microscopy	Sarid, D.	Oxford Univ. Press,	SS			y	
Scanning Probe Lithography	Soh, Guarini, Quate	Kluwer Academic	TP	HL	2002	y	
Scanning Probe Microscopy	Foster, Hofer	Springer, 2006	SS	FK	2009	y	
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Semiconducting and Metallic Polymers	Heeger A. J. , N. S.	Oxford Graduate Press,	HL	FK	2012	y	
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Semiconductor and Metal Nanocrystals	Klimov, Victor (eds.)	Marcel Dekker, 2004	NS	FK	2004	y	
Semiconductor and Semimetals, Vol. 10	Willardson and Beer	Academic Press, 1975	2D		1Phys-Bibl	y	
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Semiconductor Devices, 2nd Edition	Sze,	Wiley, 2002	BD	HL	2003	y	G.Springholz
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Semiconductor Interfaces, Microstructures and Devices	Feng (ed.)	IOP Publishing, 1993	2D			y	
Semiconductor Laser Physics	Chow, Koch, Sargent	Springer, 1994	OS			y	
Semiconductor Material and Device Characterization	Schroder, D. K.	Wiley, 1998	ExM	FK	2003	y	
Semiconductor Materials and Process Technology Handbook	McGuire	Noyes Publications,	TP			Y	
Semiconductor Nanocrystals: From Basic Principles to	Efros, Lockwood and	Kluwer Academic, 2003	NS	FK	2011	y	
Semiconductor Nanocrystal Quantum Dots	Rogach, ed.	Springer, 2008	NS	FK	2009	y	
Semiconductor Nanostructures	Bimberg	Springer, 2008	NS	HL	2009	y	
Semiconductor Nanostructures	Ihn	Oxford Univ. Press,	NS	HL	2010	y	?
Semiconductor Optics	Klingshirn	Springer, 1995	OS			y	
Semiconductor Optics and Transport Phenomena	Schäfer and Wegener	Springer, 2002	HL	HL	2002	y	
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Semiconductor Optoelectronic Devices	Bhattacharya, P.	Prentice Hall, 1994	BD			y	Fromherz 2014
Semiconductor Optoelectronics Devices	Piprek J.	Academic Press 2003	OS	HL	2014	y	J.Sanchez 2015
Semiconductor Physical Electronics	Li, S. S.	Plenum Press, 1993	HL			y	
Semiconductor Physics (1st edition)	Seeger	Springer 1973	HL			y	
Semiconductor Physics (5th edition)	Seeger	Springer 1991	HL			y	
Semiconductor Physics, 6th ed.	Seeger, K.	Springer, 1997	HL			y	
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Semiconductor Physics, 9th Edition	Seeger, K.	Springer Verlag, 2004	HL	FK	2004	y	
Semiconductor Quantum Dots	Masumoto und	Springer Verlag, 2002	NS	HL	2003	y	
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Semiconductor Sensors	Sze, S. M., Ed.	Wiley & Sons, 1994	BD		2001-HP	y	
Semiconductor Spintronics and Quantum Computation	Awschalom, Loss and	Springer Verlag, 2002	HL	HL	2002	Y	
Semiconductor Superlattices	Grahn	World Scientific, 1995	2D			y	
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Semiconductors	Ferry #2	Macmillan Publishing,	HL			y	
Semiconductors & Semimetals Vol. 1:	Willardson, Beer (Eds.)	Academic Press, 1966	HL			y	
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SI-Das internationale Einheitensystem	SI	Vieweg	PA			y	
Sicherheitsfibel Chemie	Roth, Weller	Ecomed, 1995	DIV			DL	HL-Techniker/La
Silicon Photonics	Pavesi and Lockwood	Springer Verlag, 2004	BD			y	Fromherz 2014
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Single Quantum Dots: Fundamentals, Applications and New	Michler, P.	Springer Verlag, 2003	NS	HL	2004	y	
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Solid State Physics: An Introduction to Principles of	Ibach and Lüth	Springer, 2009	FK	HL	2011	y	
Solid State Physics, Problems and Solutions	Mihaly L. and Martin M.	Wiley VCH 2009	FK	HL	2012	y	
Solid State Physics Vol 42, Superconductivity, Quasicrystals	Ehrenreich, Turnbull	Academic Press,1989	FK			y	
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Solid-State Mid-Infrared Laser Sources, Topics in Applied	Sorokina und	Springer Verlag, 2003	BD	FK	2004	y	
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Sonnenenergie: Thermische Nutzung	Goetzberger, Wittwer	Teubner, 1993	PA			y	
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Spin Dynamics: Basics of Nuclear Magnetic Resonance, 2nd	Levitt	Wiley, 2008	MAG	FK	2009	y	
Spin Glasses	Fischer, Hertz	Cambridge 1991	MAG			y	
Spin Glasses: An Experimental Introduction	Mydosh, J. A.	Taylor & Francis, 1993	MAG			y	
Spin Physics in Semiconductors	Dyakonov	Springer, 2008	MAG	FK	2009	y	Koch 2014
Spin Physics in Semiconductors, #1	Dyakonov, Ed.	Springer, 2008	HL	HL	2008	Y	
Spin Physics in Semiconductors, #2	Dyakonov, Ed.	Springer, 2008	HL	HL	2008	f-2015	Koch 2014
Spintronics	Dietl, Awschalom,	Eshevier, 2008	MAG	FK	2009	y	Koch 2014
Springer Handbook of Electronic and Photonic Materials	Kasap, Capper	Springer, 2006	HL		2008	y	
Springer Handbook of Nanotechnology	Bushan, B.	Springer Verlag, 2004	NS			y	G.Springholz
SQUIDS, the Josephson Effect and Supercond.Electronic	Gallop	A. Hilger 1990	MAG			y	Müllegger
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Statistical Mechanics of Phase Transitions	Yeomans	Oxford Univ. Press,	FK			y	
Strain Effects in Semiconductors	Sun, Thompson, Nishida	Springer, 2010	HL	HL	2012	y	A.Rastelli 2015
Strained-Layer Superlattices: Physics (Vol. 32 Willardson &	Pearsall (Ed.)	Academic, 1990	2D			f-2015	
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Structure Determination by X-Ray Crystallography	Ladd, Palmer	Plenum 1977	XRD			y	
Structure of Materials	De Graff and McHenry	Cambridge Univ. Press	XRD	HL	2009	y	
Superlattices and Other Heterostructures (Springer Series in	Ivchenko, Pikus	Springer, 1995	2D			y	R.Trotta 2015
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Symmetry Principles and Magnetic Symm. in Solid State	Joshua	A. Hilger 1991	FK			y	
Tables of Integrals, Series, and Products (5th ed.)	Gradshteyn, Ryzhik	Academic, 1994	DIV			y	
Taschenbuch der Regelungstechnik, mit Matlab	Lutz und Wendt	Verlag Harri Deutsch,	Div	HL	2008	y	
Techniques and Mechanisms of Gas Sensing	Moseley, Norris,	Adam Hilger, IOP, 1991	ExM			y	
Technische Physik	Herr, Bach, Maier	Europa Lehrmittel, 1997	PA	HL	2009	y	
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Technologie Hochintegrierter Schaltungen, 2. Auflage	Widmann, Mader,	Springer, 1996	TP	HL	2002	y	G.Springholz
Tensor Properties of Crystals	Lovett	A. Hilger 1989	FK			y	
The Blue Laser Diode	Nakamura, Fasol	Springer, 1997	BD			E	Lost: Entin-
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The Coming of Materials Science	Cahn, R. W.	Pergamon, 2001	FK		2007	y	
The Elements of Nonlinear Optics	Butcher, Cotter	Cambridge University	OS			y	
The Essence of Dielectric Waveguides	Yeh and Shimaburkuro	Springer, 2008	BD	HL	2009	y	
The Finite Element Method	Hughes, T.J.R.	Dover Publ., 2007	PA	HL	2008	y	
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The Internet for Scientists and Engineers	Thomas, B. J.	SPIE, 1995	DIV			E	Lost: Entin-
The k.p Method	Lew Yan Voon Lok C.	Springer	HL	HL	2013	y	
The LATEX Companion	Goossens, Mittelbach,	Addison-Wesley, 1994	DIV			y	
The Material Science of Microelectronics	Bachmann, K. J.	VCH, 1995	TP			y	
The Mott Metal-Insulator Transition	Gebhard, F.	Springer, 1997	FK			y	
The Physical Principles of Electron Paramagnetic	Pake G.E. and T. L. Estle	W.A. Benjamin Inc.	MAG	FK	2012	y	Ney
The Physics of Low-Dimensional Semiconductors (#1)	Davies, J. H.	Cambridge University	2D			y	
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The Physics of Semiconductor Microcavities	Deveaud, Benoit	Wiley-VCH, 2007	OS	HL	2011	y	
The Physics of Semiconductors (Proc. 18th ICPS,	Engström	World Scientific, 1987	PROC			y	R.Trotta 2015
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