

SPIE eBooks Titles

In 2012, SPIE eBooks are offered as a single collection of books¹ published from 1989 to 2011 plus the titles published in 2012. The titles already in SPIE eBooks are listed below in the first table; details for each title are available at SPIE.org. In general, new SPIE Press titles and editions will be published first as SPIE eBooks.²

The second table lists all 17 eBooks that were published in 2011, and the third table lists the projected titles for 2012. Titles in this table may or may not actually publish, and other books may be added. SPIE intends to publish at least 15 eBooks each year.

Founded in 1989, SPIE Press currently publishes three types of books to serve engineers, scientists, and students in the range of subject matter related to optics and photonics.

SPIE Press Monographs are authoritative reference books, textbooks, and handbooks that cover theory, applications, and outlooks on topics of special interest to scientists and engineers.

SPIE Tutorial Texts are stand-alone tutorials that cover fundamental and emerging topics in optical science and technology, at introductory and intermediate levels, making them valuable to students and researchers entering new fields of inquiry.

SPIE Field Guides present key definitions, equations, illustrations, application examples, design considerations, methods, and tips that students and practicing engineers and scientists need in a concise format.

Following are the numbers of titles in each series in the SPIE eBooks collection:

Abbreviation	Series Name	No. of Titles
PM	Press Monographs	82
TT	Tutorial Texts	57
FG	Field Guides	24
	TOTAL	163

The following list provides details for each of these titles. The subject categories are: Astronomy and Astronomical Optics (AAO), Biomedical Optics and Medical Imaging (BOI), Communication and Information Technologies (CIT), Defense and Industrial Sensing (DIS), Electronic Imaging and Processing (EIP), Micro- and Nano- Technologies (MNT), and Optics and Electro-Optics (OEO).

¹ *Fundamentals of Photonics* is available online without charge on both SPIE.org and SPIE eBooks.

² In rare cases digital rights will not be available and a book published by SPIE Press will not be included in SPIE eBooks.

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories						
								AAO	BOI	CIT	DIS	EIP	MINT	OEO
9780819480972	9780819480989	3D Video Technologies: An Overview of Research Trends	PM196	Softcover	116	2011	\$ 37			X		X		
9780819405364	9780819478788	Aberration Theory Made Simple	TT06	Softcover	158	1991	\$ 48	X						X
9780819488251	9780819488268	Aberration Theory Made Simple, 2nd Ed	TT93	Softcover	208	2011	\$ 55	X						X
9780819443373	9780819479150	Adaptive Beaming and Imaging in the Turbulent Atmosphere	PM109	Softcover	218	2002	\$ 54	X			X			
9780819467492	9780819478405	Advanced Optics Using Aspherical Elements	PM173	Hardcover	434	2008	\$ 92							X
9780819475572	9780819478436	Advanced Processes for 193-nm Immersion Lithography	PM189	Hardcover	336	2009	\$ 86						X	
9780819472342	9780819481047	Advances in Information Optics and Photonics	PM183	Softcover	752	2008	\$ 96			X		X		
9780819441423	9780819479143	Alien Vision: Exploring the Electromagnetic Spectrum with Imaging Technology	PM104	Softcover	184	2001	\$ 42				X			X
9780819485359	9780819485366	Alien Vision: Exploring the Electromagnetic Spectrum with Imaging Technology, 2nd Ed.	PM205	Softcover	240	2011	\$ 64				X			X
9780819434890	9780819478580	Analysis of Sampled Imaging Systems	TT39	Softcover	194	2000	\$ 48				X	X		
9780819480774	9780819480781	Analysis and Evaluation of Sampled Imaging Systems, 2nd Ed	TT87	Softcover	304	2010	\$ 61				X	X		
9780819483324	9780819483331	Applied Prismatic and Reflective Optics	PM200	Softcover	309	2010	\$ 76	X						X
9780819472458	9780819479167	Art of Radiometry, The	PM184	Hardcover	386	2009	\$ 74	X			X			X
9780819459879	9780819478726	Artificial Neural Networks: An Introduction	TT68	Softcover	180	2005	\$ 51			X				
9780819428066	9780819478573	Basic Electro-Optics for Electrical Engineers	TT31	Softcover	108	1998	\$ 48				X			X
9780819458698	9780819478719	Basics of Code Division Multiple Access (CDMA)	TT67	Softcover	120	2005	\$ 51			X				
9780819441041	9780819478863	Basics of Spectroscopy, The	TT49	Softcover	142	2001	\$ 48	X	X		X			X
9780819482471	9780819482488	Bioluminescence and Fluorescence for <i>In Vivo</i> Imaging	TT91	Softcover	154	2010	\$ 61		X					
9780819475626	9780819483997	Chemistry and Lithography	PM192	Hardcover	892	2010	\$115						X	
9780819451903	9780819478306	Coherent Fields and Images in Remote Sensing	PM130	Softcover	244	2004	\$ 61				X			
9780819463500	9780819478351	Coherent-Mode Representations in Optics	PM164	Softcover	98	2006	\$ 61							X
9780819485649	9780819485656	Color Image Processing with Biomedical Applications	PM206	Hardcover	433	2011	\$ 115		X			X		

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories						
								AAO	BOI	CIT	DIS	EIP	MINT	OEO
9780819483973	9780819483980	Color Vision and Colorimetry: Theory and Applications, 2nd Edition	PM204	Softcover	175	2011	\$ 69				X			
9780819461193	9780819481085	Computational Color Technology	PM159	Hardcover	524	2006	\$ 99					X		
9780819482044	9780819482051	Computational Fourier Optics: A MATLAB Tutorial	TT89	Softcover	214	2011	\$ 61	X		X		X		X
9780819475336	9780819480422	Computed Tomography: Principals, Design, Artifacts, & Recent Advances, 2nd Ed.	PM188	Hardcover	560	2009	\$105		X					
9780819461186	9780819478344	Confocal Microscopy and Multiphoton Excitation Microscopy: The Genesis of Live Cell Imaging	PM161	Softcover	230	2006	\$ 61		X					X
9780819434968	9780819478498	Contrast Sensitivity of the Human Eye and Its Effects on Image Quality	PM72	Softcover	232	1999	\$ 70					X		
9780819442345	9780819478283	Demystifying Electromagnetic Equations: A Complete Explanation of EM Unit Systems and Equation Transformations	PM106	Hardcover	344	2001	\$ 78	X	X	X	X	X	X	X
9780819472403	9780819478894	Design of Plastic Optical Systems, The	TT80	Softcover	226	2009	\$ 61							X
9780819487896	9780819487902	Diagnostic and Therapeutic Applications of Breast Imaging	PM211	Hardcover	490	2012	\$ 125		X			X		
9780819451712	9780819478870	Diffraction Optics: Design, Fabrication, and Test	TT62	Softcover	260	2003	\$ 61							X
9780819467577	9780819481054	Digital and Analog Fiber Optic	PM174	Hardcover	1,090	2008	\$115			X				
9780819406484	9780819478528	Digital Image Compression Techniques	TT07	Softcover	240	1991	\$ 48					X		
9780819480729	9780819480736	Direct Detection LADAR Systems	TT85	Softcover	156	2010	\$ 41				X			
9780819452979	9780819481122	Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential, and Challenges, 2nd Ed	PM136	Hardcover	816	2004	\$103				X			
9780819467287	9780819478399	Electromagnetic Wave Propagation in Turbulence: Evaluation and Application of Mellin Transforms, 2nd Ed	PM171	Hardcover	386	2007	\$ 91	X		X	X			
9780819483584	9780819483591	Enhanced Optical Filter Design	PM201	Softcover	168		\$ 51						X	
9780819471802	9780819478429	Engineering a High-Tech Business: Entrepreneurial Experiences and Insights	PM182	Softcover	288	2008	\$ 47	X	X	X	X	X	X	X
9780819444974	9780819478634	Engineering Introduction to Biotechnology, An	TT55	Softcover	144	2002	\$ 48		X					

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories						
								AAO	BOI	CIT	DIS	EIP	MNT	OEO
9780819469649	9780819480705	EUV Lithography	PM178	Hardcover	702	2008	\$ 105						X	
9780819458452	9780819480712	EUV Sources for Lithography	PM149	Hardcover	1,094	2006	\$ 162						X	
9780819453198	9780819478184	Field Guide to Adaptive Optics	FG03	Spiral Bound	82	2004	\$ 39	X			X			X
9780819490179	9780819490186	Field Guide to Adaptive Optics, 2nd Ed	FG24	Spiral Bound	124	2012	\$ 39	X						X
9780819453181	9780819478177	Field Guide to Atmospheric Optics	FG02	Spiral Bound	112	2004	\$ 39	X			X			
9780819486493	9780819486509	Field Guide to Binoculars and Scopes	FG19	Spiral Bound	151	2011	\$ 39	X			X			X
9780819486905	9780819486912	Field Guide to Diffractive Optics	FG21	Spiral Bound	134	2011	\$ 39							X
9780819452948	9780819478160	Field Guide to Geometrical Optics	FG01	Spiral Bound	128	2004	\$ 39	X						X
9780819467683	9780819481221	Field Guide to Illumination	FG11	Spiral Bound	152	2007	\$ 39							X
9780819490216	9780819490223	Field Guide to Image Processing	FG25	Spiral Bound	96	2012	\$ 39					X		
9780819463616	9780819478245	Field Guide to Infrared Systems	FG09	Spiral Bound	116	2006	\$ 39	X			X			X
9780819480804	9780819480811	Field Guide to Infrared Systems, Detectors, and FPAs, 2nd Ed	FG15	Spiral Bound	192	2010	\$ 39	X			X			X
9780819465108	9780819478252	Field Guide to Interferometric Optical Testing	FG10	Spiral Bound	114	2006	\$ 39							X
9780819472489	9780819478276	Field Guide to Laser Pulse Generation	FG14	Spiral Bound	132	2008	\$ 39			X	X			X
9780819469618	9780819478269	Field Guide to Lasers	FG12	Spiral Bound	152	2008	\$ 39			X	X			X
9780819478917	9780819472465	Field Guide to Microscopy	FG13	Spiral Bound	156	2010	\$ 39		X					X
9780819486769	9780819486776	Field Guide to Optical Fabrication	FG20	Spiral Bound	134	2011	\$ 39							X
9780819480903	9780819480910	Field Guide to Optical Fiber Technology	FG16	Spiral Bound	130	2010	\$ 39			X		X		X
9780819462077	9780819478214	Field Guide to Optical Lithography	FG06	Spiral Bound	136	2006	\$ 39						X	
9780819462183	9780819478221	Field Guide to Optical Thin Films	FG07	Spiral Bound	118	2006	\$ 39							X
9780819458681	9780819478207	Field Guide to Polarization	FG05	Spiral Bound	148	2005	\$ 39	X	X	X	X		X	X
9780819487018	9780819487025	Field Guide to Probability, Random Processes, and Random Data Analysis	FG22	Spiral Bound	108	2012	\$ 39	X			X			X
9780819488275	9780819488282	Field Guide to Radiometry	FG23	Spiral Bound	120	2011	\$ 39	X			X			X
9780819485502	9780819485519	Field Guide to Special Functions for Engineers	FG18	Spiral Bound	115	2011	\$ 39	X	X	X	X	X	X	X
9780819463524	9780819478238	Field Guide to Spectroscopy	FG08	Spiral Bound	124	2006	\$ 39	X	X		X			X
9780819456298	9780819478191	Field Guide to Visual and Ophthalmic Optics	FG04	Spiral Bound	124	2005	\$ 39		X					

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories						
								AAO	BOI	CIT	DIS	EIP	MNT	OEO
9780819455239	9780819478689	Field Mathematics for Electromagnetics, Photonics, and Materials Science: A Guide for the Scientist and Engineer - 4th Printing	TT64	Softcover	272	2004	\$ 61	X	X	X	X	X	X	X
9780819489760	9780819489777	Formation of a Digital Image: The Imaging Chain Simplified	PM218	Softcover	160	2012	\$ 51					X		X
9780819451644	9780819478672	Fourier-Transform Spectroscopy	TT61	Softcover	136	2003	\$ 48	X			X			X
9780819435033	9780819478597	Fractal and Wavelet Image Compression	TT40	Softcover	254	1999	\$ 54					X		
9780819439154	9780819478504	Fundamental Optical Design	PM92	Hardcover	314	2001	\$ 71							X
9780819441126	9780819478887	Fundamentals of Antennas: Concepts and Applications	TT50	Softcover	106	2001	\$ 48				X			
9780819438447	9780819478610	Fundamentals of Contamination Control	TT44	Softcover	196	2000	\$ 48						X	X
9780819421494	9780819480439	Fundamentals of Electronic Image	PM32	Hardcover	560	1996	\$ 82					X		
9780819467317	9780819478740	Fundamentals of Infrared Detector Materials	TT76	Softcover	186	2007	\$ 61				X			X
9780819471284	9780819471284	Fundamentals of Photonics	TT79	CD-ROM	417	2008	\$ 35							
9780819475343	9780819478764	Fundamentals of Polarimetric Remote	TT81	Softcover	268	2009	\$ 68				X			
9780819486479	9780819486486	Hadamard Transforms	PM207	Hardcover	576	2011	\$ 97					X		
9780819436221	9780819481184	Handbook of Medical Imaging, Volume 1. Physics and Psychophysics	PM79	Softcover	968	2000	\$119		X					
9780819436238	9780819481191	Handbook of Medical Imaging, Volume 2. Medical Image Processing and Analysis	PM80	Softcover	1,218	2000	\$140		X					
9780819436214	9780819481207	Handbook of Medical Imaging, Volume 3. Display and PACS	PM81	Hardcover	512	2000	\$119		X					
9780819451866	9780819481146	Handbook of Nanotechnology. Nanometer Structures, The: Theory, Modeling, and Simulation	PM129	Hardcover	576	2004	\$ 95						X	
9780819447203	9780819478665	Hands-on Morphological Image Processing	TT59	Softcover	290	2003	\$ 61					X		
9780819465351	9780819478375	High-Operating-Temperature Infrared Photodetectors	PM169	Softcover	256	2007	\$ 75	X			X			X
9780819487872	9780819487889	Hyperspectral Remote Sensing	PM210	Hardcover	748	2012	\$ 135				X			
9780819482020	9780819482037	Image Acquisition and Preprocessing for Machine Vision Systems	PM197	Hardcover	730	2012	\$ 105					X		
9780819433190	9780819480224	Infrared Design Examples	TT36	Softcover	180	1999	\$ 48				X			X
9780819452184	9780819481139	Infrared Fibers and Their Applications	PM135	Hardcover	312	2005	\$ 78			X				
9780819476678	9780819480927	Infrared Optics and Zoom Lenses, 2nd Ed.	TT83	Softcover	182	2009	\$ 55				X			X

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories							
								AAO	BOI	CT	DIS	EIP	MNT	OEO	
9780819432322	9780819478481	Integral Transforms for Engineers	PM66	Softcover	364	1999	\$ 60	X	X	X	X	X	X	X	
9780819446091	9780819478658	Integrated Optomechanical Analysis	TT58	Softcover	248	2002	\$ 61	X			X			X	
9780819452177	9780819478313	Intermediate Optical Design	PM134	Hardcover	280	2004	\$ 71							X	
9780819435118	9780819478603	Introduction to Adaptive Optics	TT41	Softcover	130	2000	\$ 48	X			X			X	
9780819449474	9780819480408	Introduction to Complex Mediums for Optics and Electromagnetics	PM123	Hardcover	776	2003	\$103						X	X	
9780819460431	9780819481177	Introduction to Confocal Fluorescence	TT69	Softcover	138	2005	\$ 51		X					X	
9780819464347	9780819478733	Introduction to Image Stabilization	TT73	Softcover	112	2006	\$ 51	X			X			X	
9780819422606	9780819478542	Introduction to Imaging Spectrometers	TT25	Softcover	164	1997	\$ 48	X			X			X	
9780819421067	9780819478535	Introduction to Infrared System Design	TT24	Softcover	148	1996	\$ 48				X			X	
9780819413772	9780819480996	Introduction to Optical Testing	TT15	Softcover	170	1993	\$ 48	X						X	
9780819427588	9780819478566	Introduction to Radiometry	TT29	Softcover	200	1998	\$ 48	X			X			X	
9780819417015	9780819481009	Introduction to Wavefront Sensors	TT18	Softcover	168	1995	\$ 48	X			X			X	
9780819459480	9780819478320	Laser Beam Propagation through Random Media, 2nd Ed	PM152	Hardcover	820	2005	\$113			X	X				
9780819441034	9780819478511	Laser Beam Scintillation with Applications	PM99	Hardcover	416	2001	\$ 78			X	X				
9780819476586	9780819481832	Light Propagation through Biological Tissue and Other Diffusive Media	PM193	Softcover	298	2010	\$ 76		X					X	
9780819430526	9780819478559	Lithography Process Control	TT28	Softcover	204	1999	\$ 48						X		
9780819460929	9780819478337	Local Approximation Techniques in Signal and Image Processing	PM157	Hardcover	576	2006	\$ 99					X			
9780819463432	9780819479006	Logic-based Nonlinear Image Processing	TT72	Softcover	162	2006	\$ 51					X			
9780819459787	9780819481016	Materials for Infrared Windows and Domes: Properties and Performance	PM70	Softcover	428	1999	\$ 78				X			X	
9780819445063	9780819478290	Mathematical Techniques for Engineers and Scientists	PM118	Hardcover	820	2003	\$ 95	X	X	X	X	X	X	X	
9780819467805	9780819478757	Matrix Methods for Optical Layout	TT77	Softcover	138	2007	\$ 51							X	
9780819455765	9780819478696	Metrics for High-Quality Specular Surfaces	TT65	Softcover	166	2004	\$ 48	X						X	
9780819483393	9780819483362	Modeling the Imaging Chain of Digital	TT92	Softcover	226	2010	\$51					X		X	
9780819441430	9780819480453	Modulation Transfer Function in Optical and Electro-Optical Systems	TT52	Softcover	120	2001	\$ 48	X	X	X	X	X	X	X	
9780819471291	9780819481214	Mounting Optics in Optical Instruments, 2nd Ed	PM181	Hardcover	782	2008	\$ 96	X			X			X	
9780819480750	9780819480767	Nanotechnology: A Crash Course	TT86	Softcover	158	2010	\$ 51						X		

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories						
								AAO	BOI	CT	DIS	EIP	MINT	OEO
9780819401304	9780819481030	New Physical Optics Notebook, The: Tutorials in Fourier Optics	PM01	Softcover	572	1989	\$ 65	X	X	X	X	X	X	X
9780819483263	9780819483270	Numerical Simulation of Optical Wave	PM199	Softcover	212	2010	\$ 61	X		X		X		X
9780819460066	9780819481008	Optical Clearing of Tissues and Blood	PM154	Softcover	256	2005	\$ 75		X					
9780819453136	9780819481023	Optical Coating Technology	PM137	Softcover	840	2004	\$103							X
9780819420237	9780819480477	Optical Communication Receiver Design	TT22	Softcover	340	1997	\$ 54			X				
9780819465344	9780819478368	Optical Correlation Techniques and Applications	PM168	Softcover	286	2007	\$ 82		X					X
9780819477996	9780819478894	Optical Design: Applying the Fundamentals	TT84	Softcover	190	2009	\$ 51							X
9780819438867	9780819478627	Optical Design for Visual Systems	TT45	Softcover	170	2000	\$ 48							X
9780819440518	9780819480699	Optical Design Fundamentals for Infrared Systems, 2nd Ed	TT48	Softcover	202	2001	\$ 54				X			X
9780819480958	9780819480965	Optical Design of Microscopes	TT88	Softcover	258	2010	\$ 49		X					X
9780819483690	9780819483706	Optical Design for Biomedical Imaging	PM203	Hardcover	450	2010	\$ 91		X					X
9780819475404	9780819478771	Optical Engineering Fundamentals, 2nd Ed	TT82	Softcover	294	2009	\$ 64							X
9780819425157	9780819478795	Optical Imaging and Aberrations: Part I. Ray Geometrical Optics	PM45	Hardcover	500	1998	\$ 86	X						X
9780819441355	9780819478801	Optical Imaging and Aberrations, Part II. Wave Diffraction Optics	PM103	Hardcover	472	2001	\$ 86	X						X
9780819486998	9780819487001	Optical Imaging and Aberrations, Part II.	PM209	Hardcover	578	2011	\$ 99	X						X
9780819458292	9780819478702	Optical Imaging in Projection	TT66	Softcover	276	2005	\$ 61						X	
9780819475602	9780819481825	Optical Lithography: Here Is Why	PM190	Hardcover	492	2010	\$ 86						X	
9780819477767	9780819478443	Optical Scattering: Measurement and Analysis, 2nd Ed	PM24	Softcover	340	1995	\$ 70						X	X
9780819432261	9780819478474	Optical Systems and Processes	PM65	Hardcover	434	1999	\$ 86							X
9780819465092	9780819480446	Optical Thin Films: User Handbook	PM37	Softcover	304	1996	\$ 70							X
9780819407634	9780819479013	Optics in Photography	PM06	Hardcover	300	1992	\$ 52							X
9780819444400	9780819480491	Optoelectronics of Solar Cells	PM115	Softcover	118	2002	\$ 46							X
9780819467225	9780819478382	Photon Transfer	PM170	Softcover	276	2007	\$ 61	X			X	X		X
9780819460943	9780819480460	Physics and Engineering of Solid State Lasers, The	TT71	Softcover	222	2006	\$ 61			X	X			X
9780819482150	9780819482167	Polarization of Light with Applications in Optical Fibers	TT90	Softcover	260	2011	\$ 61			X				
9780819467812	9780819480941	Polymer Photovoltaics: A Practical Approach	PM175	Softcover	336	2008	\$ 76							X

SPIE eBook Collection

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Pub Year	Print List Price	Applicable Subject Categories						
								AAO	BOI	CIT	DIS	EIP	MINT	OEO
9780819467232	9780819479020	Practical Applications of Infrared Thermal Sensing and Imaging Equipment, 3rd Ed	TT75	Softcover	192	2007	\$ 61				X			X
9780819456601	9780819478832	Principles of Lithography, 2nd Ed	PM146	Hardcover	438	2005	\$ 91						X	
9780819483249	9780819483256	Principles of Lithography, 3rd Ed	PM198	Hardcover	522	2010	\$ 95						X	
9780819467836	9780819481153	Radiation Thermometry: Fundamentals and Applications in the Petrochemical Industry	TT78	Softcover	176	2007	\$ 51				X			
9780819425133	9780819478450	Random Processes for Image and Signal Processing	PM44	Hardcover	616	1998	\$ 86					X		
9780819460813	9780819481092	Recent Advances in Breast Imaging, Mammography, and Computer-Aided Diagnosis of Breast Cancer	PM155	Hardcover	1,008	2006	\$129		X			X		
9780819462350	9780819481078	Remote Sensing from Air and Space	PM162	Hardcover	270	2007	\$ 82				X			
9780819439956	9780819478818	Resolution Enhancement Techniques in Optical Lithography	TT47	Softcover	234	2001	\$ 54						X	
9780819424617	9780819486462	Rotating Mirror Streak and Framing Cameras	PM43	Softcover	110	1997	\$ 46							X
9780819436986	9780819480392	Scientific Charge-Coupled Devices	PM83	Hardcover	920	2001	\$ 99	X			X	X		X
9780819456069	9780819480415	Sculptured Thin Films: Nanoengineered Morphology and Optics	PM143	Hardcover	336	2005	\$ 81						X	X
9780819454355	9780819481115	Sensor and Data Fusion: A Tool for Information Assessment and Decision Making	PM138	Hardcover	342	2004	\$ 81				X			
9780819488213	9780819488220	Signal and Image Restoration: Information	PM213	Softcover	105	2011	\$ 51					X		
9780819416544	9780819481238	Soft X-Ray Optics	PM15	Softcover	290	1994	\$ 71	X					X	X
9780819426161	9780819478467	Special Functions of Mathematics for Engineers, 2nd Ed	PM49	Hardcover	504	1997	\$ 86	X	X	X	X	X	X	X
9780819460820	9780819481160	Thermal Infrared Characterization of Ground Targets and Backgrounds, 2nd Ed	TT70	Softcover	190	2006	\$ 61				X			
9780819445254	9780819478641	Thin-Film Design: Modulated Thickness and Other Stopband Design Methods	TT57	Softcover	134	2002	\$ 48							X
9780819464330	9780819481061	Tissue Optics: Light Scattering Methods and Instruments for Medical Diagnosis, 2nd Ed	PM166	Hardcover	882	2007	\$ 99		X					
9780819477736	9780819480934	Tutorials in Complex Photonic Media	PM194	Hardcover	650	2009	\$103						X	
9780819441225	9780819480484	Uncooled Thermal Imaging Arrays, Systems, and Applications	TT51	Softcover	110	2001	\$ 48	X			X			
9780819469663	9780819478412	Wavefront Optics for Vision Correction	PM179	Hardcover	366	2008	\$ 80		X					

Titles Published in 2011

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Print List Price	Applicable Subject Categories						
							AAO	BOI	CIT	DIS	EIP	MNT	OEO
9780819480972	9780819480989	3D Video Technologies: An Overview of Research Trends	PM196	Softcover	116	\$ 37			X		X		
9780819488251	9780819488268	Aberration Theory Made Simple, 2nd Ed	TT93	Softcover	208	\$ 55	X						X
9780819485359	9780819485366	Alien Vision: Exploring the Electromagnetic Spectrum with Imaging Technology, 2nd Ed.	PM205	Softcover	240	\$ 64				X			X
9780819485649	9780819485656	Color Image Processing with Biomedical Applications	PM206	Hardcover	433	\$ 115		X			X		
9780819483973	9780819483980	Color Vision and Colorimetry: Theory and Applications, 2nd Edition	PM204	Softcover	175	\$ 69					X		
9780819482044	9780819482051	Computational Fourier Optics: A MATLAB Tutorial	TT89	Softcover	214	\$ 61	X		X		X		X
9780819483584	9780819483591	Enhanced Optical Filter Design	PM201	Softcover	168	\$ 51							X
9780819486493	9780819486509	Field Guide to Binoculars and Scopes	FG19	Spiral Bound	151	\$ 39	X			X			X
9780819486905	9780819486912	Field Guide to Diffractive Optics	FG21	Spiral Bound	101	\$ 39							X
9780819486769	9780819486776	Field Guide to Optical Fabrication	FG20	Spiral Bound	98	\$ 39							X
9780819488275	9780819488282	Field Guide to Radiometry	FG23	Spiral Bound	120	\$ 39	X			X			X
9780819485502	9780819485519	Field Guide to Special Functions for Engineers	FG18	Spiral Bound	115	\$ 39	X	X	X	X	X	X	X
9780819486479	9780819486486	Hadamard Transforms	PM207	Hardcover	576	\$ 97					X		
9780819486998	9780819487001	Optical Imaging and Aberrations, Part II. Wave Diffraction Optics, Second Edition	PM209	Hardcover	578	\$ 99	X						X
9780819482150	9780819482167	Polarization of Light with Applications in Optical Fibers	TT90	Softcover	260	\$ 61			X				
9780819489715	9780819489722	Problems and Answers in Wave Optics	PM216	Softcover	124	\$ 39	X			X			X
9780819488213	9780819488220	Signal and Image Restoration: Information Theoretic Approaches	PM213	Softcover	105	\$ 51					X		

Titles Published in 2012

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Print List Price	Applicable Subject Categories						
							AAO	BOI	CIT	DIS	EIP	MNT	OEO
9780819487896	9780819487902	Diagnostic and Therapeutic Applications of Breast Imaging	PM211	Hardcover	490	\$ 125		X			X		
9780819490179	9780819490186	Field Guide to Adaptive Optics, 2nd Ed	FG24	Spiral Bound	124	\$ 39	X						X
9780819490216	9780819490223	Field Guide to Image Processing	FG25	Spiral Bound	96	\$ 39					X		
9780819487018	9780819487025	Field Guide to Probability, Random Processes, and Random Data Analysis	FG22	Spiral Bound	108	\$ 39	X			X			X
9780819489760	9780819489777	Formation of a Digital Image: The Imaging Chain Simplified	PM218	Softcover	160	\$ 51					X		X
9780819487872	9780819487889	Hyperspectral Remote Sensing	PM210	Hardcover	748	\$ 135				X			
9780819482020	9780819482037	Image Acquisition and Preprocessing for Machine Vision Systems	PM197	Hardcover	730	\$ 105					X		

Titles Tentatively Scheduled* for Publication in 2012

ISBN	eISBN	Title	SPIE Vol.	Print Format	No. of Pages	Print List Price †	Applicable Subject Categories						
							AAO	BOI	CIT	DIS	EIP	MNT	OEO
9780819483669	9780819483676	Basic Optics for the Astronomical Sciences	PM202	Hardcover	400	\$ 86	X						X
9780819491558	9780819491565	Displays for Defense Applications	TT95	Softcover	TBD	TBD				X	X		
		Field Guide to Optics Cleaning	FG	Spiral Bound	TBD	\$ 39	X						X
9780819491619	9780819491626	Field Guide to Optomechanics	FG26	Spiral Bound	TBD	\$ 39	X						X
9780819491671	9780819491688	Field Guide to Terahertz Sources, Detectors, and Optics	FG28	Spiral Bound	TBD	\$ 39		X		X			
9780819488305	9780819488312	High Dynamic Range Imaging: Sensors and Architectures	PM214	Softcover	TBD	\$ 51					X		X
9780819490926	9780819490933	Introduction to Semiconductor Manufacturing Technology, 2nd Ed	PM220	Hardcover	TBD	\$ 120						X	
9780819488190	9780819488206	Laser Safety in the Lab	PM212	Softcover	176	\$ 48				X			X
		Optical Scattering: Measurement and Analysis, 3rd Ed	PM	Hardbound	TBD	TBD	X						X
9780819491114	9780819491121	Wavefront Analysis	PM221	Softcover	TBD	\$ 55	X						X

* These books are tentatively scheduled for publication. Publication schedules are subject to change and consequently some of these books may not be ready by the end of the year and others may enter the schedule. SPIE intends to publish at least 15 titles each year. It is also possible that more than 15 titles will be published in a given year; if so, the published price for the year's collection will remain fixed as published.

† Prices are estimates based on expected characteristics of the title as of the print date of this document. They may change if the book characteristics lead to a more or less costly book.