1.	Record Nr.	UNISALENTO991002076079707536
	Autore	Johnsen, Sönke
	Titolo	The optics of life : a biologist's guide to light in nature / Sönke Johnsen
	Pubbl/distr/stampa	Princeton, NJ : Princeton University Press, c2012
	ISBN	9780691139906 (hardback) 9780691139913 (paperback)
	Descrizione fisica	x, 336 p., [8] p. of plates : ill. (some col.) ; 24 cm
	Classificazione	LC QH515 617.7
	Disciplina	571.4/55
	Soggetti	Photobiology Physiological optics Polarization (Light)
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index
	Nota di contenuto	Units and geometry -- Emission -- Absorption -- Scattering -- Scattering with interference -- Fluorescence -- Polarization -- Measuring light -- What is light, really? -- Appendix A. Converting spectral irradiance to lux -- Appendix B. Calculating the absorbance spectrum of a visual pigment -- Appendix C. Refractive indices of common subtances -- Appendix D. Optical properties of very clear water -- Appendix E. Optical properties of natural waters -- Appendix F. Useful formulas -- Appendix G. Equipment and software suppliers
	Sommario/riassunto	"Optics--a field of physics focusing on the study of light--is also central to many areas of biology, including vision, ecology, botany, animal behavior, neurobiology, and molecular biology. The Optics of Life introduces the fundamentals of optics to biologists and nonphysicists, giving them the tools they need to successfully incorporate optical measurements and principles into their research. S©œenke Johnsen starts with the basics, describing the properties of light and the units and geometry of measurement. He then explores how light is created and propagates and how it interacts with matter, covering topics such as absorption, scattering, fluorescence, and polarization. Johnsen also provides a tutorial on how to measure light as well as an informative discussion of quantum mechanics. The Optics

of Life features a host of examples drawn from nature and everyday life, and several appendixes that offer further practical guidance for researchers. This concise book uses a minimum of equations and jargon, explaining the basic physics of light in a succinct and lively manner. It is the essential primer for working biologists and for anyone seeking an accessible introduction to optics"

2.	Record Nr.	UNINA9910828254203321
	Autore	Meullenet J.-F (Jean-Francois), <1968->
	Titolo	Multivariate and probabilistic analyses of sensory science problems / / Jean-Francois Meullenet, Rui Xiong, and Christopher J. Findlay
	Pubbl/distr/stampa	[Chicago, Ill.], : IFT Press Ames, Iowa, : Blackwell Pub., 2007
	ISBN	9786612365553 9781282365551 128236555X 9780470277539 047027753X 9781615832057 161583205X 9780470276310 0470276312
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (258 p.)
	Collana	IFT Press
	Altri autori (Persone)	XiongRui FindlayChristopher J
	Disciplina	664/.07
	Soggetti	Food - Sensory evaluation - Statistical methods Multivariate analysis
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Multivariate and Probabilistic Analyses of Sensory Science Problems; Table of Contents; Introduction; Chapter 1. A Description of Sample Data Sets Used in Further Chapters; 1.1. A Description of Example Data

Sommario/riassunto	Sensory scientists are often faced with making business decisions based on the results of complex sensory tests involving a multitude of variables. Multivariate and Probabilistic Analyses of Sensory Science Problems explains the multivariate and probabilistic methods available to sensory scientists involved in product development or maintenance. The techniques discussed address sensory problems such as panel performance, product profiling, and exploration of consumer data, including segmentation and identifying drivers of liking. Applied in approach and written for