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| 1. Record Nr. | UNIBAS000003925 |
| Autore | Stevenson, Robert Louis |
| Titolo | The wrong box ; The body-snatcher / by Robert Louis Stevenson |
| Pubbl/distr/stampa | New York : Scribner, 1925 |
| Descrizione fisica | XXI, 239 p. ; 17 cm. |
| Collana | The works of Robert Louis Stevenson ; 19 |
| Disciplina | 823.8 |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 2. 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 substances -- 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. Sørensen 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"
