

1.	Record Nr.	UNICAMPANIASUN0115983
	Autore	Torraca, Francesco
	Titolo	1.1: Sec . 13. / Francesco Torraca
	Pubbl/distr/stampa	563 p. ; 20 cm
	Edizione	[Firenze : Sansoni, 1916]
	Descrizione fisica	Biblioteca Lauria.
	Disciplina	850
	Soggetti	Letteratura italiana - Antologie - Testi scolastici - Ed. ante 1900
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910300369203321
	Autore	Ohtsu Motoichi
	Titolo	Dressed Photons : Concepts of Light–Matter Fusion Technology / / by Motoichi Ohtsu
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
	ISBN	3-642-39569-4
	Edizione	[1st ed. 2014.]
	Descrizione fisica	1 online resource (329 p.)
	Collana	Nano-Optics and Nanophotonics, , 2192-1970
	Disciplina	535.15 539.7 539.7217
	Soggetti	Quantum optics Nanotechnology Lasers Photonics Microwaves Optical engineering Nanoscience Nanostructures Quantum Optics Optics, Lasers, Photonics, Optical Devices Nanotechnology and Microengineering Microwaves, RF and Optical Engineering

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	Introduction and Background -- Concepts of Dressed Photons -- Optical Near-Fields and Effective Interactions as a Base of Nanophotonics -- Principles of Operations of Devices Using Dressed Photons -- Principles of Nanofabrication Using Dressed Photons -- Nanophotonic Devices -- Nanophotonic Fabrication -- Nanophotonic Energy Conversion -- Nanophotonic Systems and their Evolution to Related Sciences.
Sommario/riassunto	Authored by the developer of dressed photon science and technology as well as nanophotonics, this book outlines concepts of the subject using a novel theoretical framework that differs from conventional wave optics. It provides a quantum theoretical description of optical near fields and related problems that puts matter excitation such as electronic and vibrational ones on an equal footing with photons. By this description, optical near fields are interpreted as quasi-particles and named dressed photons which carry the material excitation energy in a nanometric space. The author then explores novel nanophotonic devices, fabrications, and energy conversion based on the theoretical picture of dressed photons. Further, this book looks at how the assembly of nanophotonic devices produces information and communication systems. Dressed photon science and technology is on its way to revolutionizing various applications in devices, fabrications, and systems. Promoting further exploration in the field, this book presents physically intuitive concepts, theories, and technical details for students, engineers, and scientists engaged in research and development in dressed photon science and technology as well as nanophotonics.