1. Record Nr. UNISA996418447803316

Autore	Dai Yanan
Titolo	Imaging Light with Photoelectrons on the Nano-Femto Scale [[electronic resource] /] / by Yanan Dai
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-52836-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XV, 115 p. 77 illus., 68 illus. in color.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	537.56
Soggetti	Spectroscopy Microscopy Chemistry, Physical and theoretical Lasers Photonics Optical materials Electronic materials Spectroscopy and Microscopy Theoretical and Computational Chemistry Optics, Lasers, Photonics, Optical Devices Optical and Electronic Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Introduction -- Chapter2: Experimental Methods -- Chapter3: Simulation Framework -- Chapter4: Propagating Surface Plasmon Polaritons (SPPs) -- Chapter5: Spin Angular Momenta and Chirality of SPPs -- Chapter6: Plasmon Orbital Angular Momentum Generation -- Chapter7: Summary and Perspectives.
Sommario/riassunto	This thesis presents significant advances in the imaging and theory of the ultrafast dynamics of surface plasmon polariton fields. The author details construction of a sub-10 femtosecond and sub-10 nanometer spatiotemporal resolution ultrafast photoemission microscope which is subsequently used for the discovery of topological meron and skyrmion-like plasmonic quasiparticles. In particular, this enabled the

creation of movies of the surface plasmon polariton fields evolving on sub-optical wavelength scales at around 0.1 femtosecond per image frame undergoing vortex phase evolution. The key insight that the transverse spin of surface plasmon polaritons undergoes a texturing into meron or skyrmion-like topological quasiparticles (defined by the geometric charge of the preparation) follows. In addition, this thesis develops an analytical theory of these new topological quasiparticles, opening new avenues of research, while the ultrafast microscopy techniques established within will also be broadly applicable to studies of nanoscale optical excitations in electronic materials.

2. Record Nr. UNISOBSOBE00078850

Titolo	1 / Francesco Caringella ... [et al.].
Pubbl/distr/stampa	Milano, : Giuffrè, c2005
Descrizione fisica	XXIX, 933 p. ; 24 cm
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNIORUON00222924

Autore	WESSELENYI, István
Titolo	Sanyarú világ : Napló 1703-1708 (I. 1703-1705) / Wesselényi István ; Közzéteszi Magyari András ; [Lektorálta Jakó Zsigmond]
Pubbl/distr/stampa	Bukarest, : Kriterion Könyvkiadó, 1983
Descrizione fisica	730 p. ; 20 cm.
Disciplina	894.511
Lingua di pubblicazione	Hungarian
Formato	Materiale a stampa
Livello bibliografico	Monografia