

1. Record Nr.	UNINA9911093174203321
Autore	Dinh Ba Khuong
Titolo	Phase-matched high order harmonic generation and application / / Dinh Ba Khuong and Dao Van Lap
Pubbl/distr/stampa	New York, : Nova Publishers, 2013
ISBN	1-62618-172-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (176 p.)
Collana	Lasers and electro-optics research and technology Physics research and technology
Altri autori (Persone)	Dao Van Lap
Disciplina	621.36/63
Soggetti	X-ray spectroscopy X-ray lasers
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 (p. [145]-157) and index.
Nota di contenuto	High harmonic generation -- Enhancement of high harmonic generation source -- Influence of driving laser on spectral features of high harmonic generation -- Phase matched high harmonic generation for the study of aligned molecules -- Coherent diffractive imaging using 13.5 nm high harmonic source.
Sommario/riassunto	High order harmonic generation (HHG) produced by the interaction of an intense laser pulse and a gas medium can provide a table top scale coherent radiation source in the short wavelength range from the extreme ultraviolet to the soft x-ray region. This book presents a study based on high order harmonic generation in a semi-infinite gas cell. Two novel schemes are presented which have been used to enhance the quality of the HHG source including the conversion efficiency, the coherence, and the cut-off photon energy. This book focuses on the phase matching of the non-linear conversion process which is the main limitation to the quality of the HHG source. In the first scheme, a combination of lens and axicon is used to create a Bessel Gaussian beam instead of only a Gaussian beam and the presence of a new geometrical phase mismatch term is demonstrated. This allows us to compensate for the phase mismatch and thus to enhance the phase matching condition. In the second scheme, the phase matching is controlled by a means of an off-axis beam. When the phase mismatch is varied, mainly due to a change in the dipole phase term, the

harmonic emission can be destroyed or enhanced. This technique provides the possibility to generate very high harmonic photon energies.

2. Record Nr.	UNINA9911104976603321
Autore	Podar Klaus
Titolo	Multiple Myeloma - A New Era of Treatment Strategies / Klaus Podar, Kenneth C Anderson
Pubbl/distr/stampa	[U.S.A.], : Bentham Science Publishers, [2012]
ISBN	9781608052974 1608052974
Edizione	[1st ed.]
Descrizione fisica	1 online resource (217 p.)
Altri autori (Persone)	PodarKlaus AndersonKenneth C
Disciplina	616.99/418 616.99418
Soggetti	Multiple myeloma - Treatment
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	section 1. Multiple myeloma -- section 2. Treatment guidelines -- section 3. The bone marrow microenvironment and the pathogenesis of multiple myeloma -- section 4. New treatment strategies.
Sommario/riassunto	Multiple Myeloma (MM), the second most common blood cancer in adults, is a clonal plasma cell malignancy within the bone marrow characterized by osteolytic bone lesions, renal disease, and immunodeficiency. It is now well established that MM cell- induced disruption of the bone marrow homeostasis between the highly organized cellular and extracellular compartments supports MM cell proliferation, survival, migration, and drug resistance via activation of various signaling pathways. Based on this knowledge, the prototypic drugs thalidomide, bortezomib, and lenalidomide, which target both MM cell