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| 1. Record Nr.           | UNINA9910792589503321  |
| Titolo                  | Green food : an A-to-Z guide / / Dustin Mulvaney, general editor   |
| Pubbl/distr/stampa      | Thousand Oaks, Calif., : SAGE, 2010<br>Thousand Oaks, Calif. : , : SAGE Publications Inc., , 2010  |
| ISBN                    | 1-4522-6608-5<br>1-4129-9680-5<br>1-84972-746-5  |
| Descrizione fisica      | 1 online resource  |
| Collana                 | The SAGE reference series on green society   |
| Disciplina              | 333.7966   |
| Soggetti                | Food - Environmental aspects   |
| 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       | ""Cover ""; ""Contents""; ""About the Editors""; ""Introduction""; ""Reader's Guide""; ""List of Articles""; ""List of Contributors""; ""Green Food Chronology""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""J""; ""L""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""; ""Y""; ""Green Food Glossary""; ""Index"" |
| Sommario/riassunto      | Laying out the contours of the field of agri-food studies, this book draws on scholars of political ecology, rural sociology, geography, and environmental studies to paint a picture of agriculture and food, and provides readers with an understanding of the institutions, practices, and concepts to identify what is 'green' food.                       |

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| 2. Record Nr.           | UNINA9910165177803321   |
| Autore                  | Imasaka Totaro  |
| Titolo                  | Multi-Color Laser Emission for the Generation of Ultrashort Optical Pulse   |
| Pubbl/distr/stampa      | MDPI - Multidisciplinary Digital Publishing Institute, 2017   |
| Descrizione fisica      | 1 online resource (XXII, 192 p.)  |
| Soggetti                | Optical physics   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Sommario/riassunto      | <p>The pulse width of an electromagnetic wave is determined by the frequency band width of the wave used. Therefore, one femtosecond is the ultimate in pulse width for an "optical" wave. For this reason, several methods have been proposed for the generation of an ultrashort optical pulse. For example, resonance/non-resonance four-wave mixing would be one of the candidates for generating multi-color laser emission in an extremely wide spectral region, thus breaking the 1-fs barrier. To date, numerous emission lines have been generated from the deep-ultraviolet to the near-infrared region (<math>&lt;45,000\text{ cm}^{-1}</math>). Such generations use a variety of techniques, such as four-wave Raman mixing in molecular hydrogen. This type of technique is promising for the generation of 1-fs optical pulses via phase locking and the Fourier synthesis of the emission lines. For verification, it would be necessary to develop a new method for measuring the pulse width, since the spectral band width approaches, or is beyond one octave. Ultrashort optical pulses can be utilized in a variety of applications in science and technology. For example, an ultrashort optical pulse can be used in the studies of ultrafast phenomena. More practically, a laser pulse shorter than 100 fs is reported to be useful in mass spectrometry for observing a molecular ion of triacetone triperoxide, an explosive used in terrorist attacks. A train of ultrashort optical pulses in the terahertz region, which has been generated in the optical cavity to enhance the nonlinear optical effect, would be employed as a clock pulse in optical</p> |

computation/communication in future advanced industries. Therefore, it is important to investigate a new frontier in the generation of multi-color laser emission for Fourier synthesis to generate ultrashort optical pulses and to clarify new trends in the state-of-the-art.

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