

ミーティング議事録@20120502

①研究

- ・各人，決定したテーマで進めていく

②文献検索

- ・ [OSA \(The Optical Society of America\)](#) , [Applied Physics Letters](#) 等で調べる
 - [OSA での詳しい検索](#)
 - [Applied Physics Letters での詳しい検索](#)

・ 検索例 (OSA)

The screenshot shows search results from the Optical Society of America (OSA) database. On the left, there are promotional banners for 'LightPath' and 'Grow Your Independent Research at Bath'. The main content area lists search results with 'Abstract' and 'Full Text: PDF' links. The first result is 'Terahertz spectrum analyzer based on a terahertz frequency comb' by Yokoyama, Shuko; Nakamura, Ryotaro; Nose, Masaki; Araki, Tsutomu; Yasui, Takeshi, published in Optics Express, Vol. 16 Issue 17, pp.13052-13061 (2008). The 'Abstract' link is circled in red with the Japanese word '選択' (selection) written next to it. Below it is another result for 'Metamaterials for THz polarimetric devices'. On the right side, there are sections for 'Applied Optics (24)', 'Frequent TOC Categories' (including Spectroscopy, Nonlinear Optics, Lasers and Laser Optics), and 'Select an OCIS Code to filter' (including Atmospheric and oceanic optics, Atomic and molecular physics, Coherence and statistical optics, Detectors, Diffraction and gratings, Fiber optics and optical communications, Fourier optics and signal processing, General, Geometric optics).

選択後

The screenshot shows the full article page for the selected paper. At the top, there is a navigation bar with 'Select an action...', 'Go', 'Email', and 'Share/Save' buttons. Below this is a tabbed interface with 'Abstract', 'References (13)', 'Affiliations', 'Cited By', and 'Metrics (beta)'. The 'References (13)' and 'Cited By' tabs are circled in red. The main content area displays the abstract text: 'Precision frequency measurements of terahertz (THz) waves are required to establish metrology in the THz spectral region. However, frequency measurement techniques in this region are immature. We propose a THz spectrum analyzer to measure the absolute frequency and spectral shape of continuous-wave THz waves. Based on a stable frequency comb generated in a photoconductive antenna, the absolute frequency of a sub-THz test source was determined at a precision of 2.8×10^{-11} . Furthermore, the spectral bandwidth of the THz spectrum analyzer can be extended over 1 THz, as demonstrated by measurement of a THz test source. This spectrum analyzer has the potential to become a powerful tool for THz frequency metrology.' Below the abstract, there is a 'History' section with dates: Original Manuscript: June 23, 2008; Revised Manuscript: July 31, 2008; Manuscript Accepted: August 5, 2008; Published: August 11, 2008. On the right side, there are sections for 'Related Journal Article' and 'Related Conference Paper' with several related items listed.

以上