

Synthesis of $\text{Bi}_4\text{O}_5\text{I}_2$ microbars for pollutant degradation through a photocatalytic process

Author links open overlay panel Michael Suarez-Chamba ^a, Damián Tuba-Guamán ^b, Miguel Quishpe ^a, Katherine Pazmiño ^c, Karla Vizú ^c, Alexis Debut ^c, Pablo A. Cisneros-Pérez ^d, Carlos Reinoso ^e, Cristian Santacruz ^f, Andrea Salgado ^a, Carlos R. Arroyo ^c, Peter Iza ^g, Natividad Miguel ^h, Zulay Niño-Ruiz ^a, Miguel Herrera-Robledo ^a

The screenshot shows a web browser displaying the article page on ScienceDirect. The browser's address bar shows the URL: <https://www.sciencedirect.com/science/article/abs/pii/S0167577X23000733?via%3Dihub#preview-section-snippets>. The page features a navigation menu on the left with options like 'Article preview', 'Abstract', 'Introduction', 'Section snippets', 'References (13)', and 'Recommended articles (4)'. The main content area displays the journal title 'Materials Letters', Volume 336, Issue 1, April 2023, 133888. The article title is 'Synthesis of $\text{Bi}_4\text{O}_5\text{I}_2$ microbars for pollutant degradation through a photocatalytic process'. Below the title, the authors' names are listed: Michael Suarez-Chamba^a, Damián Tuba-Guamán^b, Miguel Quishpe^a, Katherine Pazmiño^c, Karla Vizú^c, Alexis Debut^c, Pablo A. Cisneros-Pérez^d, Carlos Reinoso^e, Cristian Santacruz^f, Andrea Salgado^a, Carlos R. Arroyo^c, Peter Iza^g, Natividad Miguel^h, Zulay Niño-Ruiz^a, Miguel Herrera-Robledo^a. There are links for 'Show more', 'Add to Mendeley', 'Share', and 'Cite'. The abstract text is partially visible, starting with 'Bi₄O₅I₂ microbars were synthesized by a hydrothermal method and then characterized using a set of instrumental techniques. The scanning electron microscopy (SEM) and transmission electron microscopy (TEM) images showed the successful preparation of Bi₄O₅I₂ microbars. X-ray diffraction (XRD) patterns of the sample were well indexed to the monoclinic phase of Bi₄O₅I₂. The elemental composition was studied by energy dispersive X-ray spectroscopy (EDS), and it was similar to the theoretical formula Bi₄O₅I₂.' The Windows taskbar at the bottom shows the search bar, system tray with temperature (26°C), and date/time (12:31 p.m., 01/03/2023).