

Supplementary Information

Facile Synthesis of Tellurium Nanowires and Study of Their Third-Order Nonlinear Optical Properties

Robson R. Silva,^a Hans A. G. Meija,^b Sidney J. L. Ribeiro,^a Lok K. Shrestha,^c Katsuhiko Ariga,^c Osvaldo N. Oliveira Jr.,^d Vanessa R. Camargo,^a Lauro J. Q. Maia^e and Cid B. Araujo^f*

^a*Instituto de Química, Universidade Estadual de São Paulo, 14801-970 Araraquara-SP, Brazil*

^b*Departamento de Física, Universidade Federal do Piauí, 64049-550 Teresina-PI, Brazil*

^c*World Premier International Center for Mater Nanoarchitectonics (WPI-MANA), National Institute for Materials Science (NIMS), 305-0044 Tsukuba, Ibaraki, Japan*

^d*Instituto de Física, Universidade de São Paulo, 13560-970 São Carlos-SP, Brazil*

^e*Instituto de Física, Universidade Federal de Goiás, 74001-970 Goiânia-GO, Brazil*

^f*Departamento de Física, Universidade Federal de Pernambuco, 50670-901 Recife-PE, Brazil*

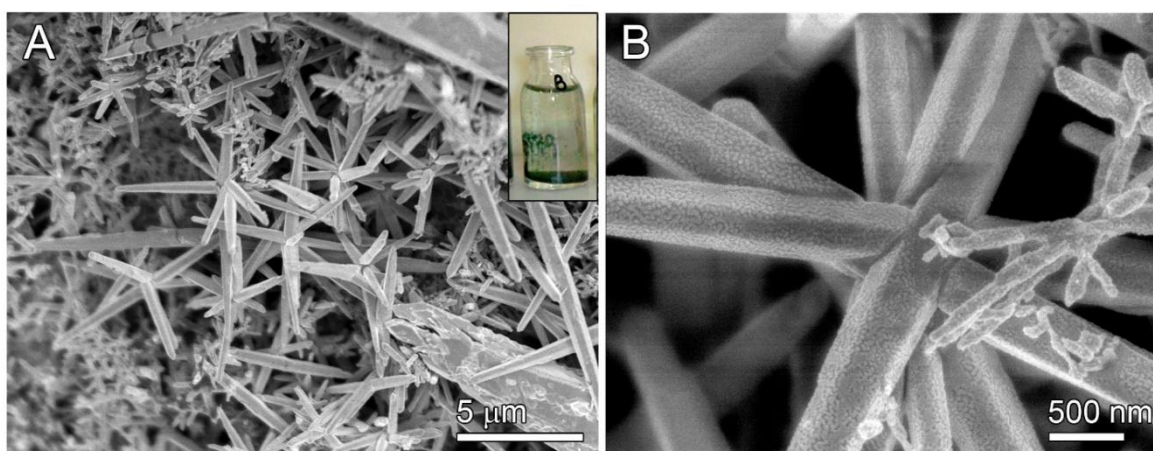


Figure S1. (A, B) SEM images of Te urchin-like particles synthesized when any surfactant was used. The inset shows the photography of a glass vial containing the reaction mixture after 24 h. The blue layer deposited on the bottom of the flask corresponds to large urchin-like Te particles.

*e-mail: robsilva31@iq.unesp.br

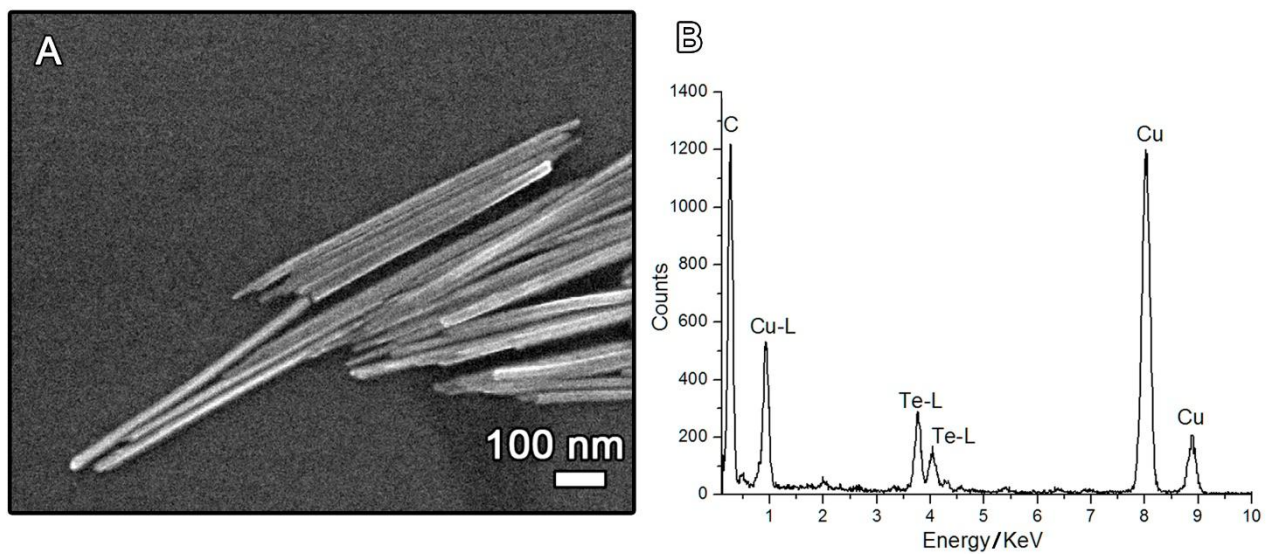


Figure S2. (A) SEM image; (B) energy-dispersive X-ray spectroscopy (EDS) analysis of short Te nanowires.