

PUBLICATIONS

PEER-REVIEWED JOURNALS

- S. Psilodimitrakopoulos, L. Mouchliadis, I. Paradisanos, A. Lemonis, G. Kioseoglou and E. Stratakis, "Ultrahigh-resolution non-linear optical imaging of the armchair orientation in 2D transition metal dichalcogenides," *Light Sci. Appl.* **7**, 18005 (2018).
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- M. Oujja, S. Psilodimitrakopoulos, E. Carrasco, M. Sanz, A. Philippidis, A. Selimis, P. Pouli, G. Filippidis, M. Castillejo " Nonlinear imaging microscopy for assessing structural and photochemical modifications upon laser removal of dammar varnish on photosensitive substrates", *Physical Chemistry Chemical Physics* **19** (2017).
- B. Lynch, C. Bonod-Bidaud, G. Ducourthial, J.-S. Affagard, S. Bancelin, S. Psilodimitrakopoulos, F. Ruggiero, J.-M. Allain and M.-C. Schanne-Klein "How aging impacts skin biomechanics: a multiscale study," *Scientific Reports* **7**, 13750 (2017).
- S. Psilodimitrakopoulos, E. Gavgiotaki, K. Melessanaki, V. Tsafas, G. Filippidis "Polarization second harmonic generation discriminates between fresh and aged, starch-based adhesives used in cultural heritage" *Microscopy and Microanalysis*, **22**, 1072 (2016).
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- S. I.C.O. Santos, M. Mathew, O. E. Olarte, S. Psilodimitrakopoulos, and Pablo Loza-Alvarez, "Femtosecond laser axotomy in *Caenorhabditis elegans*, and collateral damage assessment using a combination of linear and nonlinear imaging techniques," *PLoS ONE*, **8**, e58600 (2013).
- S. Psilodimitrakopoulos, I. Amat-Roldan, P. Loza-Alvarez, and David Artigas, "Effect of molecular organization on the image histograms of polarization SHG microscopy," *Biomedical Opt. Express*, **3**, 2681 (2012).
- E. Meulenaere, W.-Q. Chen, S. V. Cleuvenbergen, M.-L. Zheng, S. Psilodimitrakopoulos, R. Paesen, J.-M. Taymans, M. Ameloot, J. Vanderleyden, P. Loza-Alvarez, X.-M. Duan, and K. Clays, "Molecular engineering of chromophores for combined second-harmonic and two-photon fluorescence in cellular imaging," *Chem. Sci.*, **3**, 984 (2012). *Cover Page*

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