

Leonidas Mouchliadis

Selected publications

[1] Bragg polaritons: Strong coupling and amplification in an unfolded microcavity, A. Askitopoulos, L. Mouchliadis, I. Iorsh, G. Christmann, J. J. Baumberg, M. A. Kaliteevski, Z. Hatzopoulos and P. G. Savvidis, *Physical Review Letters* 106, 076401 (2011).

[2] Femtosecond switching of magnetism via strongly correlated spin-charge quantum excitations, T. Li, A. Patz, L. Mouchliadis, J. Yan, T. A. Lograsso, I. E. Perakis and J. Wang, *Nature* 496, 69 (2013).

[3] Non-thermal separation of electronic and structural orders in a persisting charge density wave, M. Porer, U. Leierseder, J.-M. Menard, H. Dachraoui, L. Mouchliadis, I. E. Perakis, U. Heinzmann, J. Demsar, K. Rossnagel and R. Huber, *Nature Materials* 13, 857 (2014).

[4] Ultrahigh-resolution nonlinear optical imaging of the armchair orientation in 2D transition metal dichalcogenides, S. Psilodimitrakopoulos, L. Mouchliadis, I. Paradisanos, A. Lemonis, G. Kioseoglou and E. Stratakis, *Light: Science & Applications* 7, 18005 (2018).

[5] Twist angle mapping in layered WS₂ by polarization-resolved second harmonic generation, S. Psilodimitrakopoulos, L. Mouchliadis, I. Paradisanos, G. Kourmoulakis, A. Lemonis, G. Kioseoglou and E. Stratakis, *Scientific Reports* 9, 14285 (2019).

[6] Probing valley population imbalance in transition metal dichalcogenides via temperature dependent second harmonic generation imaging, L. Mouchliadis, S. Psilodimitrakopoulos, I. Demeridou, G. M. Maragkakis, G. Kourmoulakis, A. Lemonis, G. Kioseoglou and E. Stratakis, *npj 2D Materials & Applications* 5, 6 (2021).