

1. R.-K. Ulaganathan, P.-K. Roy, S.-M. Mhatre, R.-C. Murugesan, W.-L. Chen, M.-H. Lai, A. Subramanian, C.-Y. Lin, Y.-M. Chang, S. Canulescu, A. Rozhin, C.-T. Liang*, R. Sankar* (2023, Feb), "High-performance photodetector and angular-dependent random lasing from long-chain organic diammonium sandwiched 2D hybrid perovskite non-linear optical single crystal", *Advanced Functional Materials* **33**, 2214078.
2. Y.-H. Su, W.-L. Chen, H.-R. Byun, Y.-F. Zhang, M.-R. Zhuang, Y.-C. Lin, C.-K. Chang, P.-Y. Wang, C.-C. Lin, K.-I. Lin, H.-K. Liu, M.-K. Lee, J.-I. Jang*, Y.-M. Chang*, K.-F. Hsu* (2023, Jan), "Ba_{3.5}Cu_{7.55}In_{1.15}Se₉: A wide-bandgap copper indium selenide reveals strong luminescence and third-harmonic generation", *Inorganic Chemistry* **62**, 4, 1570-1579.
3. M.-H. Lai*, W.-L. Chen, C.-Y. Lo, J.-R. Yu, P.-W. Tang, C. Chen, Y.-M. Chang* (2022, Oct), "The origin of edge-enhanced second harmonic generation in monolayer MoS₂ flakes", *AIP Advances* **12**, 105009.
4. J.-N. Liao, W.-L. Chen, C.-Y. Lo, M.-H. Lai, H.-L. Tsai*, Y.-M. Chang* (2022, Oct), "Nondestructive circadian profiling of starch content in fresh intact Arabidopsis leaf with two-photon fluorescence and second-harmonic generation imaging", *Scientific Reports* **12**, 16525.
5. W.-L. Chen*, C.-Y. Lo, Y.-C. Huang, Y.-C. Wang, W.-H. Chen, K.-J. Lin, Y.-M. Chang* (2022, Jan), "Toward quantitative SERS detection in low analyte concentration by investigating the immersion volume and time of SERS substrate in analyte solution", *Journal of Raman Spectroscopy* **53**, 33-39.
6. L. Ouyang, T. Meyer, K.-M. See, W.-L. Chen, F.-C. Lin, D. Akimov, S. Ehtesabi, M. Richter, M. Schmitt, Y.-M. Chang, S. Grafe, J. Popp, and J.-S. Huang* (2021, Jan), "Spatially resolving the enhancement effect in surface-enhanced coherent anti-stokes Raman scattering by plasmonic Doppler gratings", *ACS Nano* **15**, 809-818.
7. L. Sun, P. Kumar, Z. Liu, J. Choi, B. Fang, S. Roesch, K. Tran, J. Casara, E. Priego, Y.-M. Chang, G. Moody, K. L. Silverman, V. O. Lorenz, M. Scheibner, T. Luo, and X. Li* (2021, Jan), "Phonon dephasing dynamics in MoS₂", *Nano Letters* **21**, 1434-1439.
8. S. S. Raja, C.-W. Cheng, Y. Sang, C.-A. Chen, X.-Q. Zhang, A. Dubey, T.-J. Yen, Y.-M. Chang, Y.-H. Lee, and S. Gwo* (2020, Jun), "Epitaxial Aluminum surface-enhanced Raman spectroscopy substrates for large-scale 2D material characterization", *ACS Nano* **14**, 8838-45.
9. F.-M. Chang, Z.-Z. Wu, Y. Chen, T.-Y. Yen, Y.-H. Huang, L.-Y. Chong, S.-K. JangJian, F.-Y. Lee, Y.-M. Chang, and K.-Y. Lo* (2020, Apr), "Structural evolution of in situ boron-doped SiGe ultrathin film analyzed by multi-optical methods", *Nanotechnology* **31**, 275702.

10. G. Pande, J.-Y. Siao, W.-L. Chen, C.-J. Lee, R. Sankar, [Y.-M. Chang](#), C.-D. Chen, W.-H. Chang, F.-C. Chou, and M.-T. Lin* (2020, Apr), *“Ultralow Schottky barriers in hexagonal boron nitride-encapsulated monolayer WSe₂ tunnel field effect transistors”*, ACS Appl. Mater. Interfaces **12**, 18667-18673.
11. L.-S. Lu, G.-H. Chen, H.-Y. Cheng, C.-P. Chuu, K.-C. Lu, C.-H. Chen, M.-Y. Lu, T.-H. Chuang, D.-H. Wei, W.-C. Chueh, W.-B. Jian, M.-Y. Li, [Y.-M. Chang](#), L.-J. Li*, and W.-H. Chang* (2020, Apr), *“Layer-dependent and in-plane anisotropic properties of low-temperature synthesized few-layer PdSe₂ single crystals”*, ACS Nano **14**, 4963-4972.
12. E.-X. Chen, H.-Y. Cheng, Z.-G. Chen, W.-L. Chen, M. Kataria, [Y.-M. Chang](#), Y.-F. Chen, W.-B. Su, and K.-H. Lin* (2020, Jan), *“Enhancement of ultrafast photoluminescence from deformed graphene studied by optical localization microscopy”*, New Journal of Physics **22**, 013001.