

DYNASTY Publications

Open-access publications and related records

No	Partner	Year	Description
1	FORTH, INSA TOULOUSE, UANTWERPEN	2023	Kourmoulakis, G.; Michail, A.; Paradisanos, I.; Marie, X.; Glazov, M. M.; Jorissen, B.; Covaci, L.; Stratakis, E.; Papagelis, K.; Parthenios, J.; Kioseoglou, G., Biaxial strain tuning of exciton energy and polarization in monolayer WS ₂ , Applied Physics Letters 123(22), 223103 (2023), Journal page: https://doi.org/10.1063/5.0167724 , Zenodo record: https://zenodo.org/records/10997437
2	FORTH	2024	Maragkakis, G. M.; Psilodimitrakopoulos, S.; Mouchliadis, L.; Sarkar, A. S.; Lemonis, A.; Kioseoglou, G.; Stratakis, E., Anisotropic third harmonic generation in 2D tin sulfide, Advanced Optical Materials 12(29), 2401321 (2024), Journal page: https://doi.org/10.1002/adom.202401321 , Zenodo record: https://zenodo.org/records/18441960
3	FORTH	2024	Kourmoulakis, G.; Psilodimitrakopoulos, S.; Maragkakis, G. M.; Mouchliadis, L.; Michail, A.; Christodoulides, J. A.; Tripathi, M.; Dalton, A. B.; Parthenios, J.; Papagelis, K.; Stratakis, E.; Kioseoglou, G., Strain distribution in WS ₂ monolayers detected through polarization-resolved second harmonic generation, Scientific Reports 14, 15159 (2024), Journal page: https://doi.org/10.1038/s41598-024-66065-2 , Zenodo record: https://zenodo.org/records/18442038
4	FORTH	2024	Kourmoulakis, G.; Michail, A.; Anastopoulos, D.; Christodoulides, J. A.; Tripathi, M.; Dalton, A. B.; Parthenios, J.; Papagelis, K.; Stratakis, E.; Kioseoglou, G., Texture-induced strain in a WS ₂ single layer to monitor spin-valley polarization, Nanomaterials 14(17), 1437 (2024), Journal page: https://doi.org/10.3390/nano14171437 , Zenodo record: https://zenodo.org/records/18445027
5	UANTWERPEN	2025	Lamba, N.; Beltran-Pitarch, B.; Yu, T. B.; Dawod, M.; Berner, A.; Guralnik, B.; Orekhov, A.; Gauquelin, N.; Amouyal, Y.; Verbeeck, J.; Hansen, O.; Pryds, N.; Petersen, D. H., Thermal diffusivity microscope: Zooming in on anisotropic heat transport, Science Advances 11, eads6538 (2025), Journal page: https://doi.org/10.1126/sciadv.ads6538 , Zenodo record: https://zenodo.org/records/18445077
6	FORTH, INSA TOULOUSE	2025	Katsipoulaki, E.; Mourzidis, K.; Jindal, V.; Lagarde, D.; Taniguchi, T.; Watanabe, K.; Kopidakis, G.; Marie, X.; Glazov, M. M.; Stratakis, E.; Kioseoglou, G.; Paradisanos, I., Spin-valley polarization control in WSe ₂ monolayers using photochemical doping, Advanced Optical Materials 13(25), e00575 (2025), Journal page: https://doi.org/10.1002/adom.202500575 , Zenodo record: https://zenodo.org/records/18441826
7	INSA TOULOUSE	2025	Mourzidis, K.; Jindal, V.; Glazov, M.; Balocchi, A.; Robert, C.; Lagarde, D.; Renucci, P.; Lombez, L.; Taniguchi, T.; Watanabe, K.; Amand, T.; Francoeur, S.; Marie, X., Exciton formation in two-dimensional semiconductors, Physical Review X 15, 031078 (2025), Journal page: https://doi.org/10.1103/66ri-jbqw , Zenodo record: https://zenodo.org/records/18445163
8	FORTH, INSA TOULOUSE	2025	Katrisioti, D.; Wiecha, P. R.; Cuche, A.; Psilodimitrakopoulos, S.; Larrieu, G.; Muller, J.; Larrey, V.; Urbaszek, B.; Marie, X.; Stratakis, E.; Kioseoglou, G.; Paillard, V.; Poumirol, J.-M.; Paradisanos, I., Silicon nanoantennas for tailoring the optical properties of MoS ₂ monolayers, Applied Physics Letters 127, 181101 (2025), Journal page: https://doi.org/10.1063/5.0284138 , arXiv: https://doi.org/10.48550/arXiv.2504.03264 , Zenodo record: https://zenodo.org/records/18445513
9	INSA TOULOUSE	2024	Vergnaud, C.; Tiwari, V.; Ren, L.; Taniguchi, T.; Watanabe, K.; Okuno, H.; de Moraes, I. G.; Marty, A.; Robert, C.; Marie, X.; Jamet, M., Enhanced optical properties of MoSe ₂ grown by molecular beam epitaxy on hexagonal boron nitride, Applied Physics Letters 125, 053102 (2024), Journal page: https://doi.org/10.1063/5.0220371 , arXiv: https://doi.org/10.48550/arXiv.2407.12944
10	UANTWERPEN	2025	Li, Y.; Tao, Z. H.; Xiao, Y. M.; Xu, W.; Li, Q. N.; Peeters, F. M.; Neilson, D.; Milosevic, M., Plasmonic detection of Rashba spin-orbit coupling in monolayer transition metal dichalcogenides, Physical Review B 112, L161404 (2025), Journal page: https://doi.org/10.1103/pxkx-rykl