Mohamed Qenawy

List of selected publications

(as of October 2023)

Qinying Pan, **Mohamed Abdellah***, Yuehan Cao, Yang Liu, Weihua Lin, Jie Meng, Quan Zhou, Zonglong Li, Hao Cui, David Tanner, Mahmoud Abdel-Hafiez, Ying Zhou, Tonu Pullerits, Sophie Canton, Hong Xu, Kaibo Zheng*. "*Ultrafast charge transfer dynamics in 2D Covalent Organic Frameworks/Re-complex hybrid photocatalyst for CO_2 reduction: hot electrons vs. cold electrons*". Nature Communication, https://doi.org/10.1038/s41467-022-28409.

Daquan Zhang, Qianpeng Zhang, Beitao Ren, Yudong Zhu, **Mohamed Abdellah**, Yu Fu, Bryan Cao, Chen Wang, Leilei Gu, Yucheng Ding, Kwong-Hoi Tsui, Sufeng Fan, Swapnadeep Poddar, Lei Shu, Yuting Zhang, Daibin Kuang, Jinfeng Liao, Yang Lu, Kaibo Zheng, Zhubing He, Zhiyong Fan. "*Large-scale, Flexible planar and Spherical Light-emitting Diodes with Crystalline Perovskite Quantum Wire Arrays*". Nature Photonics, 16, 2022, 284–290.

Mohamed Hammad Elsayed, **Mohamed Abdellah**, Yi-Hao Hung, Jayachandran Jayakumar, Li-Yu Ting, Ahmed M Elewa, Chih-Li Chang, Wei-Cheng Lin, Kuo-Lung Wang, Mahmoud Abdel-Hafiez, Hsiao-Wen Hung, Masaki Horie, Ho-Hsiu Chou. "*Hydrophobic and Hydrophilic Conjugated Polymer Dots as Binary Photocatalysts for Enhanced Visible -Light-Driven Hydrogen Evolution through Förster Resonance Energy Transfer*". ACS Appl. Mater. Interfaces 2021, 13, 47, 56554–56565.

Yajie Yan, Yingguo Yang, Mingli Liang, **Mohamed Abdellah**, Tõnu Pullerits, Kaibo Zheng and Ziqi Liang. "*Implementing an intermittent spin-coating strategy to enable bottom-up crystallization in layered halide perovskites*". Nat. Commun. 12, 2021, 6603.

Giulia Tagliabue*, Joseph S DuChene*, **Mohamed Abdellah***, Adela Habib, David J Gosztola, Yocefu Hattori, Wen-Hui Cheng, Kaibo Zheng, Sophie E Canton, Ravishankar Sundararaman, Jacinto Sá, Harry A Atwater. "*Ultrafast hot-hole injection modifies hot-electron dynamics in Au/p-GaN heterostructures*" (*Contributed equally). Nat. Mat., 2020, https://doi.org/10.1038/s41563-020-0737-1