

**Name:** Yu-Lun Chueh

**Position:** Distinguished Professor

Fellow of the Optical Society (OSA)

Fellow of the Royal Society of Chemistry (RSC)

Fellow of the Institute of Physics (IOP)

Fellow of the Institute of Materials, Minerals and Mining (IOM3)

Associate Academician, Asia Pacific Academy of Materials

IEEE Senior Member

Editor-in-Chief of Nanoscale Research Letters

**Department:** Department of Materials Science and Engineering

**Education:** PhD, Department of Materials Science and Engineering National Tsing-Hua University



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**Research areas:**

Nanomaterials, Battery, ReRAM, 2D materials, CISG Solar Cell



**Brief description of Yu-Lun Chueh's lab:**

The research activities of his lab are highly interdisciplinary and are committed to exploring new unpredicted levels of functional materials to enable new schemes on manipulating and processing of engineering nanomaterials in nanoelectronics and energy harvesting applications. He is committed to currently realize intellectual visions through studies on four major areas toward New Material Technologies: (1) Development of Cu(In, Ga)Se<sub>2</sub> solar cell and its investigation on light-harvesting behaviors, (2) Development of various method to synthesize different Graphene/two-dimensional materials, (3) Low power resistive random access memory and (4) Growth of low dimensional materials and its possible functional application.