Sarp Kaya's Research Profile



Research areas

Power-to-X: Energy conversion on surfaces and interfaces Operando, time resolved spectroscopy Structure-activity relation

New Generation Solar Cells (Perovskite Solar Cells)



Postdoctoral position: Integration of quantum dots in the electron transport layer of all inorganic and organic-inorganic perovskite tandem solar cells

Requirements:

A PhD degree in solid state chemistry, physics, materials science or an equivalent qualification; Experience on perovskite solar cell fabrication and characterization, analysis and interpretation of data Hands-on skills on device characterization by carriers transport mechanisms, recombination at the interfaces and chemistry/physics of defects Result oriented and problem-solving mind-set while being a team player.

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