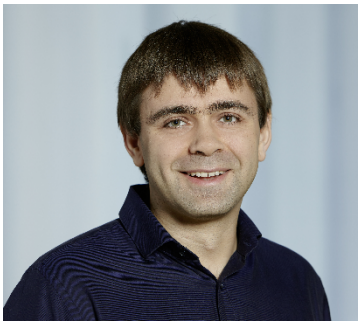
Maksym Kovalenko



Maksym V. Kovalenko is a full professor of Functional Inorganic Materials at ETH Zurich. He had completed doctoral studies at the University of Linz (Austria, 2004–2007) and postdoctoral training at the University of Chicago (USA, 2008–2011), he then joined ETH Zurich as a tenure-track professor and was tenured in 2017. The research activities of M. Kovalenko and his group focus on chemistry, physics and applications of inorganic solid-state materials and nanostructures. In particular, present research efforts concern: (i) the precision synthesis of highly luminescent perovskite nanocrystals; (ii) nanocrystal surface chemistry; (iii) nanocrystal self-assembly; (iv) exploration of novel semiconductor materials by solution- and solid-state synthesis; (iv) novel semiconductors for hard radiation detection; (iv) electrochemical energy storage. Many of these activities are strongly linked to industrial partners. He is also affiliated with Empa (Swiss Federal Laboratories for Materials Science and Technology). To date, Maksym Kovalenko has published over 400 scientific articles, co-authored 3 book chapters, and is listed as an inventor on 14 patents. His h-index is 102 and he is Clarivate Highly Cited Researcher since 2018. He has been the recipient of highly prestigious awards including an ERC Consolidator Grant (2018), ERC Starting Grant (2012), Ruzicka Preis (2013), Werner Prize (2016), Rössler Prize (2019) and Dan Maydan Prize (2021). He also serves as an associate editor of the Chemistry of Materials and ACS Materials Au.