

Bio:

Juan-Pablo Correa-Baena

Associate Professor

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Dr. Juan-Pablo Correa-Baena is an Associate Professor and the Goizueta Junior Faculty Chair in the School of Materials Science and Engineering and the School of Chemistry and Biochemistry at the Georgia Institute of Technology. He obtained his PhD degree in Environmental Engineering at the University of Connecticut in 2014. He pursued two postdoctoral fellowships, one at EPFL in Switzerland and another at MIT, where he was awarded a Department of Energy Postdoctoral Fellowship. He joined the faculty at Georgia Tech in 2019. His group focuses on understanding the relationship between chemistry, crystallographic structure, and properties of emerging semiconducting materials for the development of optoelectronic devices. Dr. Correa-Baena is developing deposition techniques, such as atomic layer deposition and thermal evaporation, for hybrid organic-inorganic materials with atomic and nanoscale control. His group is also developing advanced characterization methods, including synchrotron-based x-ray scattering and fluorescence, to answer fundamental questions about metastable hybrid materials. His research program has attracted funding from the Department of Energy, the Department of Defense, the National Science Foundation, NASA, industry partners, and foundations, among others. His work has been cited over 38,000 times (h-index of 67) making him a top cited researcher as recognized every year by the Web of Science Group Highly Cited Researchers since 2019 and Nature Index Leading early career researcher in materials science (2019).