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Prof. Rho is a Mu-Eun-Jae (无垠斋) Endowed Chair Professor at Pohang University of Science and Technology (POSTECH), Korea, with a joint appointment in the Department of Chemical Engineering, Mechanical Engineering, and Electrical Engineering. He received his Ph.D. at the University of California, Berkeley (2013), M.S. at the University of Illinois, Urbana-Champaign (2008) and B.S. at Seoul National University, Korea (2007) all in Mechanical Engineering. Prior joining POSTECH, he conducted postdoctoral research in Materials Sciences Division & Molecular Foundry at Lawrence Berkeley National Laboratory, and also worked as a principal investigator (*Ugo Fano Fellow*) in Nanoscience and Technology Division & the Center for Nanoscale Materials at Argonne National Laboratory. Prof. Rho has authored and co-authored more than 300 high-impact journal papers including Science and Nature. He is also the recipients of several notable honors and awards such as US Department of Energy Argonne Named fellowship (2014), Korean Presidential Early Career Award for Scientists and Engineers (2019), Springer-Nature MINE Young Scientist Award (2020), Elsevier MEE/MNE Young Investigator Award and Lectureship (2020), Member of the Young Korean Academy of Science and Technology (Y-KAST) (2020), Associate Member of the National Academy of Engineering of Korea (NAEK) (2022), NAEK Young Engineers Award (2022), Hong Jin-Ki Creator Award (2022), Fulbright Visiting Scholar Fellowship (2022), Northwestern Simpson Fellowship (2022), Northwestern Eshbach Fellowship (2023), Clarivate Highly Cited Researcher (2023). He serves 14 editorial positions including Light: Science and Applications (Springer-Nature), Microsystems and Nanoengineering (Springer-Nature), npj Nanophotonics (Springe-Nature) and Nanophotonics (De Gruyter).