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He is an Associate Editor of Science Advances. He is a recipient of Pittsburgh Conference Achievement Award, Office of Naval Research (ONR) Young Investigator Award, Sloan Research Fellowship, 3M Non-Tenured Faculty Award, IEEE EMBS Early Career Achievement Award, IEEE Sensor Council Technical Achievement Award, MIT Technology Review 35 Innovators Under 35, and ACS Young Investigator Award (Division of Inorganic Chemistry). He is a Highly Cited Researcher (Web of Science), a World Economic Forum Young Scientist, a member of Global Young Academy, and a National Academy of Engineering's US Frontiers of Engineering Symposium attendee. His research interests include wearable biosensors, digital medicine, micro/nanorobotics, bioelectronics, and nanomedicine.

For more information about Gao's research, visit www.gao.caltech.edu.