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Wei Gao Caltech For Web

Research Overview. Professor Gao ' s primary research interest is in the development of novel bioelectronic devices for personalized and precision medicine: wearable and flexible biosensors that can analyze the various biomarkers in body fluids for real-time continuous health monitoring and early diagnosis, and synthetic micro/nanomachines for rapid drug delivery and precision surgery.

Caltech Division of Engineering and Applied Science | Wei Gao

Caltech Department of Applied Physics and Materials Science is home to academic and research programs in Applied Physics and in Materials Science. Research in Applied Physics is built on the foundations of quantum mechanics, statistical physics, electromagnetic theory, mechanics, and advanced mathematics. Materials Science research uses these same tools of physics and mathematics and adds to ...

Caltech Materials Science | Wei Gao

Wei Gao Contact Information 139 Keck Laboratory, MC 138-78 Tel: (626) 395-2958 California Institute of Technology Email: weigao@caltech.edu Pasadena, CA, 91125 Webpage: www.gao.caltech.edu Professional Experience 08/2017 – Assistant Professor of Medical Engineering Division of Engineering and Applied Science

Wei Gao-CV-Mar 2020 for Web - Caltech

View Wei Gao ' s profile on LinkedIn, the world ' s largest professional community. Wei has 3 jobs listed on their profile. See the complete profile on LinkedIn and discover Wei ' s connections ...

Wei Gao - Assistant Professor - Caltech | LinkedIn

Research Overview. Professor Gao ' s primary research interest is in the development of novel bioelectronic devices for personalized and precision medicine: wearable and flexible biosensors that can analyze the various biomarkers in body fluids for real-time continuous health monitoring and early diagnosis, and synthetic micro/nanomachines for rapid drug delivery and precision surgery.

Andrew and Peggy Cherng Department of Medical Engineering ...

Wei Gao Receives IEEE EMBS Academic Early Career Achievement Award. 06-16-20 Wei Gao, Assistant Professor of Medical Engineering, has won the 2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo ...

Caltech Division of Engineering and Applied Science | News

Wei Gao Contact Information 307 Steele Laboratory, MC 107-81 Tel: (626) 395-2958 California Institute of Technology Email: weigao@caltech.edu Pasadena, CA, 91125 Webpage: www.gao.caltech.edu Professional Experience 08/2017 – Assistant Professor of Medical Engineering Division of Engineering and Applied Science

Wei Gao-Caltech for Web

The Gao Research Group at the California Institute of Technology is a highly interdisciplinary research team devoted to developing versatile bioelectronic devices for fundamental and applied biomedical studies.Our research thrusts include fundamental materials and chemistry innovations as well as important device and system level applications toward personalized and precision medicine.

Gao Research Group @ Caltech - Home

New Caltech faculty member Wei Gao is interested in the future of personalized and precision medicine, and is engineering the next generation of wearable health monitors and nanomachines that could enable rapid and hyper-localized drug delivery and surgery.

The Science of Sweat: An Interview with Wei Gao | www ...

Wei Gao, California Institute of Technology. Verified email at caltech.edu - Homepage. Wearable Sensors Digital Medicine Microrobotics Bioelectronics. Articles Cited by. Title. Sort. Sort by citations Sort by year Sort by title.

Wei Gao - Google Scholar

Wei Gao Receives IEEE EMBS Academic Early Career Achievement Award. 06-16-20 Wei Gao, Assistant Professor of Medical Engineering, has won the 2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo ...

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Wei Gao-Caltech for Web - Gao Research Group @ Caltech

According to the official Caltech website, Gao ' s work usually revolves around the research and development of novel bioelectronic devices with practical biomedical applications. His work furthers...

Caltech ' s Sweat-Powered E-Skin Could be Used to Power ...

Wei Gao Receives IEEE EMBS Academic Early Career Achievement Award. 06-16-20 Wei Gao, Assistant Professor of Medical Engineering, has won the 2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo ...

Wei Gao - Andrew and Peggy Cherng Department of Medical ...

Caltech's Wei Gao, assistant professor of medical engineering in the Andrew and Peggy Cherng Department of Medical Engineering, has been developing these sensors as well as novel approaches to power them using the human body itself. Previously, he created a sensor that could monitor health indicators in human sweat that is powered by sweat itself.

New Device Powers Wearable Sensors ... - www.caltech.edu

Caltech Researcher Unveils Sensor that Rapidly Detects COVID-19 Infection Status, Severity, and Immunity October 01, 2020 One feature of the COVID-19 virus that makes it so difficult to contain is that it can be easily spread to others by a person who has yet to show any signs of infection.

Caltech Researcher Unveils Sensor that Rapidly Detects ...

Wei Gao, Assistant Professor of Medical Engineering, has won the 2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo biomedical applications. This award is given annually to an individual for ...

Wei Gao Receives IEEE EMBS Academic Early Career ...

This laser-etched sensor developed by Caltech's Wei Gao can detect a COVID-19 infection in three ways. Credit: Caltech When attached to supporting electronics, the sensor can wirelessly transmit data to the user's cell phone through Bluetooth.

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