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Theory and Applications of Photoacoustic Imaging and Sensing

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Deadline for manuscript
submissions:

closed (31 March 2023)

Message from the Guest Editors

Dear Colleagues,

By taking the advantages of optical contrast and ultrasonic penetration depth, photoacoustic imaging and sensing (PAIS) has been successfully applied in biomedical research and preclinical practice, which provides non-invasive, label-free and multiscale inspection alternatives to fill the gaps left by other imaging and sensing modalities. Recently, many efforts have been made to overcome some long-existing challenges and limitations in PAIS and thus expanded the relative applications, including but not limited to, high-speed imaging/sensing strategies, high-quality reconstruction algorithms, high-sensitivity detection sensors, low-cost imaging/sensing devices, high-efficiency photoacoustic probes, etc.

The Special Issue is focused on highlighting the recent advances in PAIS technologies and applications.

Dr. Wei Liu

Dr. Renzhe Bi

Guest Editors



mdpi.com/si/109664

Special Issue



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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

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