

Selected Publications Using RWD Laser Speckle

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We select a series of high reputed papers using RWD laser speckle imaging system. We categorize them into different research topics for you to better check.

Research topics:

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[Bone restoration](#)

[Obesity](#)

[Micro- and nanorobots](#)

[Neonatal hypoxic-ischemic encephalopathy](#)

[Peripheral nerve injuries](#)

Neurovascular coupling

- Zhang D, Ruan J, Peng S, et al. Synaptic-like transmission between neural axons and arteriolar smooth muscle cells drives cerebral neurovascular coupling[J]. *Nature Neuroscience*, 2024: 1-17.

Cerebral ischemia & Ischemic stroke

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- Li T, Zhao L, Li Y, et al. PPM1K mediates metabolic disorder of branched-chain amino acid and regulates cerebral ischemia-reperfusion injury by activating ferroptosis in neurons[J]. *Cell Death & Disease*, 2023, 14(9): 634.
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Traumatic Brain Injury (TBI)

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Angiogenesis

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Wound healing

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Flap survival

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