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Y. Song/X. Cai\* et al., 22nd Anniversary World Conferenceon Biosensors, 2012, P1.16, Mexico.





Y. Song/X. Cai\* et al., 22nd Anniversary World Conferenceon Biosensors, 2012, P1.16, Mexico.

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N. Lin/X. Cai et al., CN J. Anal. Chem., 2011, 35(5):770-775 S. Xu/ X. Cai et al., IEEE NEMS, 2013, 470-473. (EI)

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0. μ 0~50 kHz 1.67μ Vrms 1100 -7mV~7mV 1~5000Hz 93.32dB/decade 90.37dB

-45~45µ A













Y. Song/X. Cai\* et al., Biosensors 2012, Cancun, Mexico, May 15-18, P1.16.













W. Shi/X. Cai et al., Biosensors and Bioelectronics 2012 38 100-106





Time / s

800

W. Wei/ X. Cai et al., Biosensors & Bioelectronics, 2014, 55:66-71





Reviewer : This

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brain glucose measurement. It is ork.







Y. Song/X. Cai et al., Biosensors and Bioelectronics. 2012, 38 416-420



## *Y. Song/ X. Cai\* et al., Biosensors & Bioelectronics* 2012, 38(1): 416-420.

## **Reviewer**



The manuscript submitted by Song et al. describes the potential use of a 64-microelectrodes array for in vitro monitoring of electrophysiological and electrochemical recording on acute hippocampus slices of mice. The paper is a proof of principle on the possibility to optimize arrayed devices for dual mode neural recording. In general, the article is clear and well written. There is no doubt that this research field is of interest for clinical and diagnostic purposes, as well as for biosensors field.





Y. Song/X.Cai et al., WACBE2013 00-15





Y. Song/X.Cai et al., WACBE2013 00-15







