

Fully Electronic CMOS DNA Sensor Chip (Aktuelle Berichte Aus Der Mikrosystemtechnik - Recent Developments In MEMS) By Alexander Frey

By Alexander Frey

A CMOS Medium Density DNA Microarray with -

A CMOS chip-based approach is reviewed for fully electronic DNA detection. The electrochemical sensor principle used, CMOS integration of the required transducer

http://journals.cambridge.org/abstract_S1946427400112643

A fully electronic label-free DNA sensor chip -

A fully electronic label-free DNA sensor DNA chip for fully electronic, label-free DNA in 0.5- μ m CMOS technology and it features an

<http://infoscience.epfl.ch/record/138453>

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<http://www.amazon.com/Alexander-Moritz-Frey/e/B00M75RDAG>

A Low-Voltage and Label-Free Impedance-Based -

A Low-Voltage and Label-Free Impedance-Based Miniaturized CMOS A Fully Electronic DNA Sensor with 128 An Electronic DNA Sensor Chip Using

<http://www.jurnalteknologi.utm.my/index.php/jurnalteknologi/article/view/2056>

A CMOS, Fully Integrated Sensor for Electronic -

IEEE ELECTRON DEVICE LETTERS, VOL. 27, NO. 7, JULY 2006 595 A CMOS, Fully Integrated Sensor for Electronic Detection of DNA Hybridization Massimo Barbaro, Annalisa

http://www.academia.edu/392016/A_CMOS_Fully_Integrated_Sensor_for_Electronic_Detection_of_DNA_Hybridization

www.zfm.tu-chemnitz.de -

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https://www.zfm.tu-chemnitz.de/publications/index.php.en?sort_key=authors&only_year=&reset=Reset

Introduction - MDPI -

Article Wireless Integrated Biosensors for Point-of-Care A fully electronic DNA sensor with 128 of Complementary Metal-Oxide-Semiconductor Sensor

<http://www.mdpi.com/1424-8220/15/2/3236/xml>

Electronic Detection of DNA Hybridization: Toward -

Labeling for fully electronic DNA sensors falls into two We've developed a CMOS chip for fully electronic DNA detection that employs the electrochemical

<http://www.computer.org/portal/web/csdl/doi/10.1109/MDT.2007.12>

Publikationen -

Publikationen

<https://www.intek.de/professuren/anwendungsentwicklung/publikationen>

24C3 Proceedings -

24C3 Proceedings

<https://www.scribd.com/doc/51079405/24C3-Proceedings>

Label free CMOS DNA image sensor based on the -

Abstract. This paper describes a label free and fully electronic 32 32 CMOS DNA image sensor fabricated in a 1-poly 1-metal CMOS technology, suitable for

<http://www.sciencedirect.com/science/article/pii/S0956566309001754>

A nano-metallic-particles-based CMOS image sensor -

A nano-metallic-particles-based CMOS image sensor for DNA the method is fully compatible with standard CMOS of CMOS image sensor into electronic

http://iopscience.iop.org/1674-1056/21/7/076104/pdf/cpb_21_7_076104.pdf

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<http://www.amazon.com/Electronic-Sensor-Aktuelle-Berichte-Mikrosystemtechnik/dp/3832298274>

Design of an integrated potentiostat circuit for -

A concrete design example used in a fully electronic DNA sensor array CMOS chip is shown. Design of an integrated potentiostat circuit for CMOS bio sensor chips.

<http://www.citeulike.org/article/4017966>

Introduction to CMOS-Based DNA Microarrays - Smart -

Fully electronic DNA sensors and in particular CMOS-based DNA sensor arrays have gained huge interest in recent years since they provide advantages compared to state

<http://onlinelibrary.wiley.com/doi/10.1002/9781118701508.ch6/summary>

2438 IEEE JOURNAL OF SOLID-STATE CIRCUITS, VOL -

A Fully Electronic DNA Sensor With 128 Positions Sensor arrays for fully electronic DNA detection on CMOS, in IEEE ISSCC Dig. Tech. Papers, 2002,

<http://www.doc.ic.ac.uk/~gbd10/aw590/A%20fully%20electronic%20DNA%20sensor%20with%20128%20positions%20and%20in-pixel%20A-D%20conversion.pdf>

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<http://www.amazon.co.jp/Electronic-Sensor-Aktuelle-Berichte-Mikrosystemtechnik/dp/3832298274>

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H ftad, 2011. Pris 623 kr. K p Fully Electronic CMOS DNA Sensor Chip (9783832298272) av Alexander Frey p Bokus.com

<http://www.bokus.com/bok/9783832298272/fully-electronic-cmos-dna-sensor-chip/>

Fully Electronic DNA Hybridization Detection by a -

Sensors and Actuators B 118 (2006) 41-46 Fully electronic DNA hybridization detection by a standard CMOS biochip Massimo Barbaro a,b,d, , Annalisa Bon glio a,b

http://www.academia.edu/392018/Fully_Electronic_DNA_Hybridization_Detection_by_a_Standard_CMOS_Biochip

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<https://www.imtek.de/laboratories/mems-applications/publications>

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