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The circuit area per channel must be less than 0.0625 mm^2 . For on-chip biosensors, the chip can act as a heater and degrade or denature bio-interfaces. A heat flux of 80 mW/cm^2 can cause damage to biological tissue [27]. Thus, for

An On-chip Array With A Circuit Area Per Channel Of 0.0625mm^2 , The Power Consumption Per Channel Must Be Less Than 50 ... Apr 1th, 2024

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Images By A Model Based Approach Huiqi Li*, Member, IEEE, And Opas Chutatape, Senior Member, IEEE Abstract—Color Retinal Photography Is An Important Tool To De-tect The Evidence Of Various Eye Diseas May 1th, 2024

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(70 μm thickness) Plated With Gold (manufacturing Process By Sierra Proto Express, Sunnyvale, CA). (b) Clamping Of The Carotid Artery, T Jun 8th, 2024

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Models Considering The Human Head And MEG, See Fig. 1 For The Illustration Of The Models. We Use A Realistic Conductor Model And Arbitrary Sensor Orientations In This Section And Con-sider The Special Case Of Spherical Head Model And Radial Sensors Fo Apr 2th, 2024

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And Drug Administration Approved Omron Oscillometric Monitor (HEM-790IT). Our Prototype Achieves Mean Absolute Difference Of Less Than 5 mmHg And Grade A As Per The British Hypertension Society Protocol For Estimating BP, With The Reference Omron Monitor. | Feb 8th, 2024

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A5x Beam Expander (Thorlabs BE05) Is Used. The Culture Dish Is Moved By A Mechanical Stage That Has Micrometer Resolution, And Moves It With Respect To The Neuron Held Stationary In The Tweezer Beam. The Beam Was Aligned With Mirrors Before The Expander When A 1-W 1064-nm YAG Laser Was Us Jan 9th, 2024

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Extend The Implant Lifetime (e.g., Medtronic RestoreULTRA 37712, Boston Scientific Precision Plus, And St. Jude Medical Eon Mini IPG [15]-[17]). The Rechargeable Battery Of These Implantable Devices Is Charged By An Outward Portable Wireless Charger. Unfortunately, The Portable Wireless Charger ... Jan 2th, 2024

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Wavelengths For Biomedical And Clinical Applications. Index Terms—Biomedical Optical Imaging, Confocal Microscopy, Diffuse Reflectance Imaging, Endoscopic Imaging, fluorescence Dif-fused Optical Tomography, Microscopy, Monte Carlo Simulation, Multispectral Imaging, Optical Coherence Tomography, Photoacoustic Imaging, Transillumination. I. Jan 8th, 2024

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Generated From A Single-electrode Cochlear Implant [20], [24]. Even The National Institutes Of Health (NIH) Condemned Human Implantation As Being Morally And Scientifically Unacceptable In The Early 1970s [25]. At That Time, Any Researchers Who Became Involved In Cochlear Implants Did So At Their Own Professional Risk. May 3th, 2024

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Attracts More Researchers, I.e., Dense Block Detection, Since Of Its Robustness Of Fraud Detection. Current Dense Block Detection Methods [3], [4], [5] Maximize The Arithmetic Or Geometric Average Degree. We Use “fraudulent Density” To Indicate The Edge Density That Fraudsters Create For Target Objects. However, Those Methods Have A Bias Of ... Apr 9th, 2024

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Smart Phone Automated GUI Testing Tool (SPAG) [6]. SPAG Combines Sikuli [9] (an Automation Tool For Com-puters That Makes Extensive Use Of Computer Vision Tech-niques) And Android Screencast [10] (a Remote Control Tool For Android Devices) To Perform Automated GUI Test-ing On Android Devices. Since Both Tools, Sikuli And Feb 3th, 2024

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Specification Is Expressed In Tables And The System Proper-ties As Formulas In First-

order Logic. Examples Of The Dual Language Approach In SCR Specifications Include The A-7 Requirements Document [38], [1], Which, In Addition To The Tabular Operational Jun 6th, 2024

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Installation Guide, A Tutorial, And A Full Index. At The Time Of Writing, The Complete Index Contained A Total Of 132 Links To Documentation Resources, Including: An FAQ, Guidelines For Designers, And Developer Documentation For Everything From Design Philosophies To APIs. Fo May 3th, 2024

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Script On The Client Side, And PHP With Embedded Structured Query Language (SQL) Commands On The Server ... Tse@computer.org, And Reference IEEECS Log Number TSESI-2010-12-0361. ... Using The Basic Ochiai Technique, The Programmer Had To Examine An Average Of 5.6 Percent Of Apr 4th, 2024

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There Is Increasing Demand To Use It As A Platform For Pro-gramming Distributed

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IEEE Std 522-1992 (Revision Of IEEE Std 522-1077) IEEE ...

IEEE Std 522-1992 IEEE GUIDE FOR TESTING TURN-TO-TURN INSULATION ON FORM-WOUND 2 2.2 Referenc E. This Guide Shall Be Used In Conjunction With The Following Publication: [1] IEEE Std 43-1974 (1991), IEEE Recommended Practice For Testing Insulation Resistance Of Rotating Machinery (ANSI). 1 3. Service Conditions 3.1. Apr 8th, 2024

IEEE Std 118-1978 (Revision Of IEEE Std118-1949) IEEE ...

(This Foreword Is Not A Part Of IEEE Std 118-1978, Standard Test Code For Resistance Measurement.) The Working Group To Revise IEEE Std 118, Standard Test Code For Resistance Measurement, Was Organized By William J. Johnson, Then Chairman Of The Power System Instrumentation And Measurements Committee. The Group Met Initially On March 25, 1971. May 7th, 2024

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IEEE Std 80-2000, IEEE Guide For Safety In AC Sub-station Grounding Is Based On The Safety Criteria Of Acceptable Touch And Step Potentials. Substations With Low Resistances Are Not An Indication Of Safe Design, No Jun 7th, 2024

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