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Genetic disorder - Wikipedia

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Recent progress on the electronic structure, defect, and

A genetic disorder is a health problem caused by one or more abnormalities in the genome. It can be caused by a mutation in a single gene (monogenic) or multiple genes (polygenic) or by a chromosomal abnormality. Although polygenic disorders are the most common, the term is mostly used when discussing disorders with a single genetic cause, either in a gene or chromosome.

Guidelines for the Prevention of Stroke in Patients With

The dynamic nature of the mitochondria allows for rapid detection of physical or cognitive impairment by characterizing the structure and the function of the mitochondria. The structure of the mitochondria is directly related to energy production efficiency, which allows recent advances in the field of microscopy (i.e. 3D electron microscopy, flow cytometry & high content live cell...

International Journal of Electrochemical Science - Volume

Introduction. Each year in the United States, >690,000 adults experience an ischemic stroke. 1 The enormous morbidity of ischemic stroke is the result of interplay between the resulting neurological impairment, the emotional and social consequences of that impairment, and the high risk for recurrence. An additional large number of US adults, estimated at 240,000, will experience a ...

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Osteochondral Lesions of the Knee: Differentiating the

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18.12.2021 · The Journal of the Neurological Sciences provides a medium for the prompt publication of original articles in neurology and neuroscience from around the world. JNS places special emphasis on articles that: 1) provide guidance to clinicians around the world (Best Practices, Global Neurology); 2) report cutting-edge science related to neurology (Basic and Translational ...

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Low-Cost Optodiagnostic for Minute-Time Scale Detection of SARS-CoV-2. André Lopes Ferreira, Lucas Felipe de Lima, Marcelo Der Torossian Torres, William Reis de Araujo*, and ; Cesar de la Fuente-Nunez* ACS Nano 2021, 15, 11, 17453-17462 (Article) Publication Date (Web): October 20, 2021. Abstract; Full text; PDF; ABSTRACT. Chiral Plasmonic Nanowaves by Tilted Assembly of ...

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23.09.2021 · Revascularization Strategies for Stable Left Main Coronary Artery Disease: Analysis of Current Evidence. Shekhar et al. Published online: December 19, 2021. Correspondence. Effects of hypertonic saline and lactated ringer on right ventricular function after cardiac surgery. Guillet et al. Published online: December 17, 2021. Letter to the Editor. Early but Prudent. Jose et al. ...

Superhuman cell death detection with biomarker-optimized

20.12.2021 · HeartRhythm, the official Journal of the Heart Rhythm Society and the Cardiac Electrophysiology Society, is a unique journal for fundamental discovery and clinical applicability. HeartRhythm integrates the entire cardiac electrophysiology (EP) community from basic and clinical academic researchers, private practitioners, engineers, allied professionals, industry, and ...

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08.12.2021 · In cellular models of neurodegenerative disease, neuronal death is frequently used as a disease-relevant phenotype (28, 29) and its analysis as a tool for the discovery of covariates of neurodegeneration (3, 30, 31). Nevertheless, detection of neuronal death can be challenging, especially in live-imaging studies, due to the dearth of acute biosensors capable of detecting ...

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The Pathogenesis of Polycystic Ovary Syndrome (PCOS): The

15.12.2021 · Other examples include identifying a pinhole defect in insulation or finding an enlarged solder footprint. As per IEC 60950, The Basic test Voltage for Hipot test is the 2X (Operating Voltage) + 1000 V The reason for using 1000 V as part of the basic formula is that the insulation in any product can be subjected to normal day-to-day transient over voltages.

2021 Guideline for the Prevention of Stroke in Patients

24.05.2021 · Current users of amphetamine-type stimulants have a higher ischemic stroke risk–adjusted RR (methylphenidate) of 1.6 (95% CI, 1.1–2.4) 172 and adjusted HR (any) for TIA of 3.4 (95% CI, 1.1–10.6). 169,173,174 A systematic review of cocaine use 170 identified an increased likelihood of ischemic stroke (adjusted OR, 2.03 [95% CI, 1.48–2.79]) 175 and stroke (type ...

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21.02.2020 · From a more practical point of view, the ease of fabrication of large area native substrates, control of carrier concentration, and inherent thermal stability also motivate the development of Ga 2 O 3-based devices. N-type doping of Ga 2 O 3 with Si or Sn has shown good controllability with a broad range from 10 15 cm −3 to 10 20 cm −3. 13,14 13. E.

Detecting triplet states in opto-electronic and

28.11.2021 · In this paper, eddy current thermography is used to detect metal in wood materials, and thermal signal reconstruction (TSR) algorithm has been proposed to solve the problem of low resolution of metal detection. The basic principle of current nondestructive testing technologies for wood materials has been briefly reviewed, and the advantages and disadvantages have been ...

First Trimester Maternal Serum Screening Using Biochemical
22.10.2021 · Given the impact of the charge state on defect spin and photon emission properties, understanding defect photoionization 7 and carrier trapping 8 ...

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26.07.2016 · I. Historical Perspective. Polycystic ovary syndrome (PCOS) is the most common endocrine disorder in reproductive aged women, with a prevalence between 5% and 15%, depending on the diagnostic criteria applied (1, 2). PCOS was first described by Stein and Leventhal as a syndrome of oligo-amenorrhea and polycystic ovaries that was variably accompanied by ...

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**Defect compensation in formamidinium–caesium perovskites**

Stray current is a dynamic and transient phenomenon. Corrosion ONLY occurs at the point of discharge (POD). At the point of entry (POE) and along the entire system that carries the stray current, there is NO corrosion. In fact, at the point of entry, stray current provides certain degrees of cathodic protection to the metallic structure. Among the many different types of corrosion, ...

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AFRL Research Topics

optical detection (e.g. the RC constant of the large-area (1 cm2) photodetector), the bandwidth of the current-voltage amplifier or the quality factor of the microwave resonator, allowing time resolutions down to tens of nanoseconds. The microwave magnetic field strength B 1 ...

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Thermographic inspection refers to the nondestructive testing (NDT) of parts, materials or systems through the imaging of the temperature fields, gradients and/or patterns (“thermograms”) at the object’s surface. It is distinguished from medical thermography by the subjects being examined: thermographic inspection generally examines inanimate objects, while medical ...

Guidelines for the Echocardiographic Assessment of Atrial

03.12.2021 · Figure 2 Pleural lines. (A) Normal hyperechoic pleural line visualized between two ribs with the transducer in a perpendicular orientation. (B) M-mode of lung sliding with horizontal lines above the pleura representing the chest wall and grainy echotexture below the ...

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