

### Defects And Defect Processes In Nonmetallic Solids

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#### Defects And Defect Processes In

Hiromitsu Takeuchi, a lecturer at the Graduate School of Science, Osaka City University, and a researcher at the Nambu Yoichiro Institute of Theoretical and Experimental Physics (NITEP), has ...

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#### Mystery object caused by spontaneous symmetry breaking revealed

Scientists have developed a new approach to detecting fetal heart flaws in the womb utilizing artificial intelligence and imaging to potentially double a doctor ' s accuracy at spotting this concern.

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#### Ultrasound imaging and AI combine to ' revolutionize ' fetal heart defect diagnosis

Skoltech scientists have studied the hydroxyl defects in  $\text{LiFePO}_4$ , a widely used cathode material in commercial lithium-ion batteries, contributing to the overall understanding of the chemistry of this ...

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#### Researchers unveil complex defect structure of Li-ion cathode material

For the first time, a machine learning program will tell a scanning electron microscope where to look closer for defects in a silicon wafer ...

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#### Future of chip making to lean heavily on AI for spotting defects, says Applied Materials

Scientists at Empa and EPFL have identified a new type of defect as the most common source of disorder in on-surface synthesized graphene nanoribbons, a novel class of carbon-based materials that ...

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“ Bite ” defects in bottom-up graphene nanoribbons

The COVID-19 pandemic has created market conditions that may aggravate the decadeslong construction defect crisis in the American housing market due to supply chain disruptions, skilled labor ...

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How COVID Could Worsen The US Construction Defect Crisis

Despite the vast gulf of time that separates worms from modern humans, nature had not changed the DNA blueprint for this essential “ flux-capacitor ” that permits the energy generation needed for life.

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Could A Rare Form of Cancer be Cured by This Worm?

In this Review, familial and sporadic neurological disorders reported to have an etiological link with DNA repair defects ... This process results in offspring with an inherited defect in DNA ...

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Mechanisms of Disease: DNA Repair Defects and Neurological Disease

A Maryland driver has filed a proposed class action against Hyundai in federal court claiming that the Genesis GV-80 shakes uncontrollably and veers off the road at speeds above 40 mph.

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Hyundai Hit With Class Action Over Genesis 'Defects'

It's no longer just an automatic retest to improve yield. Rising product complexity, pressures on manufacturing costs, and better data are making this process more nuanced.

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Digging Much Deeper With Unit Retest

Swami Sivasubramanian, vice president of artificial intelligence and machine learning at Amazon Web Services, gives a rundown of AWS ’ ML technologies and challenges ...

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7 Things to Know About AWS ML: Swami Sivasubramanian

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Defect engineering for silicon heterojunction solar cells has come a long way. But Matthew Wright, a solar researcher at the University of New South Wales, asks whether these proven efficiency gains ...

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Australian research prompts rethink on silicon heterojunction cell production

The newly redesigned Mack Plant, part of the Stellantis Detroit Assembly Complex, is the first assembly plant built in Detroit in 30 years. Workers there are keeping quality in focus as they build the ...

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Jeep Bets Detroit's First New Plant in 30 Years Will Address Decades of Customer Complaints

Raising the Bar for Rub & Buzz Defect Detection Major enhancements added in APx500 Software, version 6.1.. BEAVERTON, O ...

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Raising the Bar for Rub & Buzz Defect Detection

Tokyo Electron has announced the company will introduce its leading-edge Coater/Developer to the imec-ASML joint high NA EUV research laboratory (joint high NA lab) in Veldhoven, the Netherlands. The ...

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Tokyo Electron to collaborate with imec-ASML joint high NA lab

HousingWire recently spoke with Trevor Gauthier, CEO of ACES Quality Management, about loan quality concerns for lenders in 2021.

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Loan quality lessons learned from 2020

The Dallas Fifth District Court of Appeals has affirmed a 2018 personal-injury verdict of more than \$200 million against Toyota Motor Corp. on behalf of a Dallas family whose two young children ...

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