







30 | SENSITIZED

The sensory cells of the cochlea transmit sound signals to the auditory nerve.

42 | ENGAGED

Krishna Gummadi wants to make algorithms more fair and transparent.

50 | INTERPRETED

Courts will have to decide what emojis express in online communications.

60 | ISOLATED

Plasma should ideally never come into contact with the wall of a fusion chamber.

CONTENT

03 | EDITORIAL

06 | ON LOCATION

Asteroid Ryugu



08 | 2022 NOBEL PRIZE

10 | IN BRIEF

18 | VIEWPOINT

Inflation: Why Wages Matter

There is a high level of inflation in the Eurozone, the likes of which have not been seen in a while. So far, unions have responded with moderate wage demands, and now what's needed is wise monetary policy.

22 | INFOGRAPHIC

Shifting Scripts

FOCUS

Connection to the World

24 | Sounds Different

People perceive music differently in different cultures. The way they react to rhythms and tones provides insight into more than just music.

30 | Hearing by Light

People with hearing problems are seriously impaired in their everyday lives, and not just when they would like to enjoy a concert. A new generation of hearing aids aims to give them a greater differentiation of tones.

36 | Rodents with an Inner Compass

African mole-rats navigate their dark caves by using the Earth's magnetic field as a guide. Now, it is becoming clearer how their magnetic sense works. 42 | VISIT TO

Krishna Gummadi

48 | DOUBLE TAKE

KNOWLEDGE FROM

50 | "Emojis are Putting the Law to the Test"

Smiley faces, thumbs up and thumbs down, and even some offensive symbols are all part of contemporary online communication – and sometimes there are surprising legal consequences.

54 | Greenhouse Gases Electrified

CO₂ can be used as a raw material for important chemicals and fuels. The key to achieving these results is finding suitable catalysts.

60 | Focal Points in Nuclear Fusion

Nuclear fusion could provide virtually unlimited clean energy. But research institutions and start-ups still have many obstacles to overcome before they can achieve fusion power plants.

68 | POST FROM ...

Kangiqsujuaq, Canada

70 | FIVE QUESTIONS

On New Digital Competences

71 | PUBLISHER'S INFORMATION

5