



# **38** | *IMPACTFUL*

We are more dependent on carbon as a raw material than we think.

# **48** | *IMAGINATIVE*

56

Anna Iljas calls the standard big bang model into question.

## **56** | SUCCESSFUL

A mix of medicines extends the lifespan of flies.

## 72 | WIDE-RANGING

Synthetic ivory can be produced in a range of different colors.

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in the Brazilian rainforest

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### Between guilt, anxiety and hope

There is probably no other physical illness that has such a severe psychological impact as cancer. For a long time, researchers sought to find the cause of the disease in the personalities of the people affected. This was a fatal error.

# FOCUS

### Plants for power

### 22 | Fuel from straw and stubble

No energy crops will have to be planted for the second generation of biofuels. They will therefore no longer compete with food crops.

# **30** | Field factories

The production factories of the future will be in the fields. In future, scientists aim to use plants to generate substances that until now have been difficult to produce.

# **38** | An inventory of the fossil fuel age

The changing climate is forcing us to say goodbye to oil and coal. However, it won't be easy to detach ourselves from fossil materials.

# 46 | INFOGRAPHIC

The Neanderthal in us

# 48 | VISIT TO

Anna Ijjas The philosopher of the Big Bounce

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## **56** | The Methuselah cocktail

Fruit flies and mice are providing scientists with amazing insights into the aging process.

# 62 | The mystery of the heavenly bursts

Radio telescopes constantly register pulses lasting just thousandths of a second. Where to these Fast Radio Bursts come from?

# 66 | Just be patient!

According to behavioral economists, "Those who wait get more out of life." They are studying how they can encourage children and young adults to be more patient.

### 72 | Ivory from a test tube

The plan is to produce the synthetic material on a large scale, and not just for piano keys.

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about protest voting

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