

New Scientist

WEEKLY April 1-7, 2023

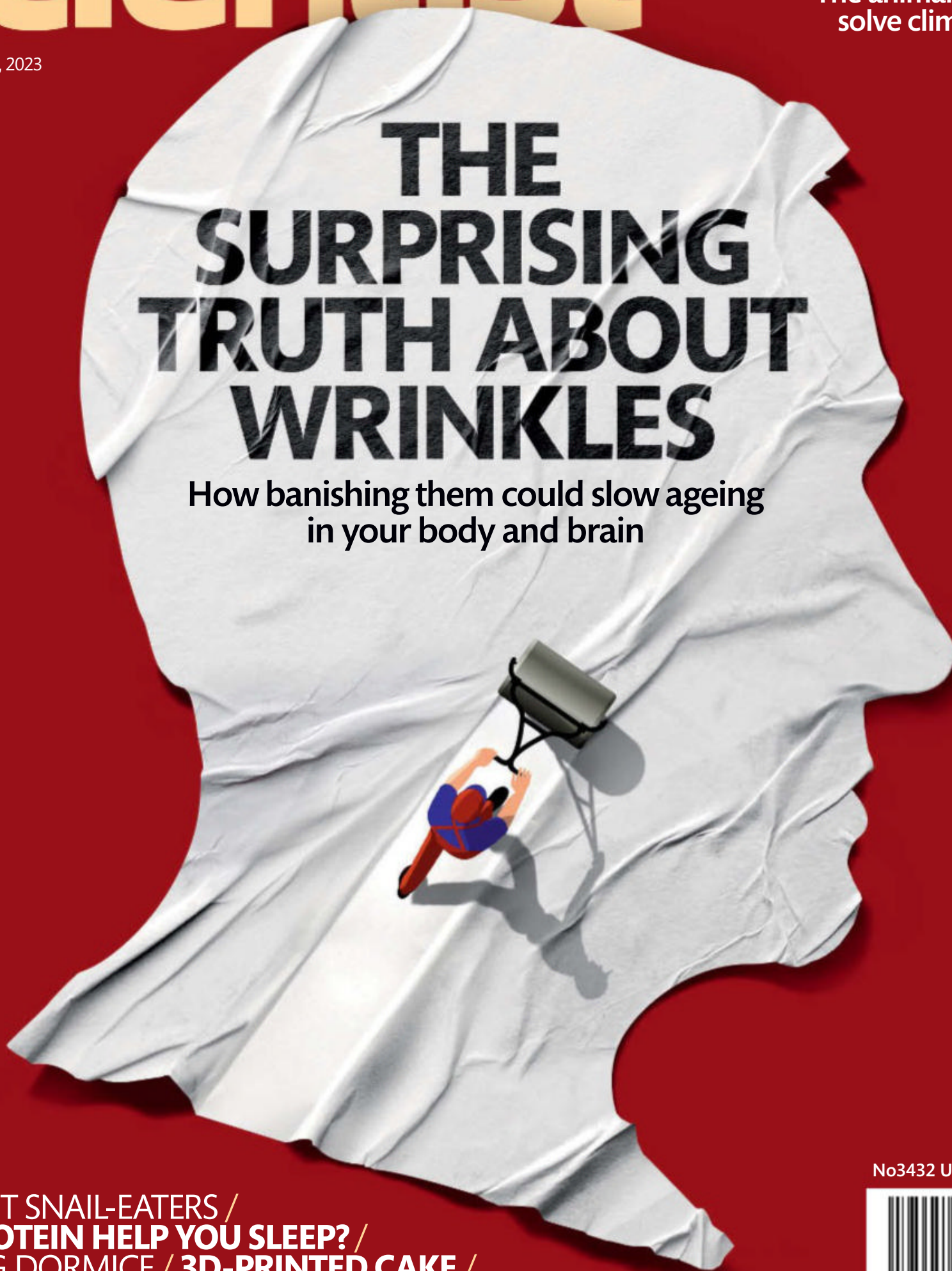
ULTIMATE TILING
The tessellating shape
that never repeats

**BLACK HOLES FROM
A PREVIOUS UNIVERSE**
Could some have
survived the big bang?

WILD IDEA
The animals that could
solve climate change

THE SURPRISING TRUTH ABOUT WRINKLES

How banishing them could slow ageing
in your body and brain



PLUS FIRST SNAIL-EATERS /
DOES PROTEIN HELP YOU SLEEP? /
GLOWING DORMICE / 3D-PRINTED CAKE /
IS GPT-4 THE FIRST TRULY INTELLIGENT CHATBOT?

Science and technology news www.newscientist.com

No3432 US\$7.99 CAN\$9.99



Water on the moon

Astronauts could harvest H₂O from glass beads **p8**

Less crowded planet

World population projected to fall to 6 billion by 2100 **p11**

The pope's new look

Were you fooled by AI-generated viral photo? **p13**

Not so habitable

Planet TRAPPIST-1b may have no atmosphere **p13**

Reading emotions

Botox alters brain's responses to facial expressions **p20**



TREVOR MAHL MANN/RELATIVITY SPACE/ZUMA WIRE/SHUTTERSTOCK

Space

3D-printed rocket blasts off

These are the engines of Terran 1, the world's first 3D-printed rocket – around 85 per cent of the vehicle was built using the additive manufacturing process. Created by Relativity Space, which aims to one day build a rocket that is 95 per cent 3D printed, Terran 1 launched from Cape Canaveral in Florida on 23 March, though it failed to reach orbit.