The porous deposit of candle soot can be used as a template for a super oil- and water-repellent coating. The soot is coated with a thin silica shell to form a replica and is then removed by calcination. The silica is treated with a fluorosilane, yielding a transparent, stable coating. This cheap and easily upscalable approach may inspire the design of anti-fingerprint coatings, which are desirable for touchscreens or glasses. See page 67.

Photo illustration: Bricelyn Strauch and Yana Hammond/Science; candle image: Fotosearch
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53 The Technology Path to Deep Greenhouse Gas Emissions Cuts by 2050: The Pivotal Role of Electricity
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The Crystal Structure of TAL Effector PthXo1 Bound to Its DNA Target
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Structures show how a virulence factor in a plant pathogen recognizes and binds to host DNA.
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Cell-fate decisions in activated B lymphocytes are determined by stochastic competition.
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K. Takeda et al.
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REVIEW: NEW—Network-Enabled Wisdom in Biology, Medicine, and Health Care
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RESEARCH ARTICLE: Vaccine Vectors Derived from a Large Collection of Simian Adenoviruses Induce Potent Cellular Immunity Across Multiple Species
S. Colloca et al.
Simian adenoviruses screened from wild-derived candidates can prime T cell responses in man and may serve as new vaccine vector candidates.

RESEARCH ARTICLE: Novel Adenovirus-Based Vaccines Induce Broad and Sustained T Cell Responses to HCV in Man
E. Barnes et al.
An adenoviral HCV vaccine induces antiviral T cell responses in human volunteers.

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RESEARCH ARTICLE: Paracrine Signaling Through MYCN Enhances Tumor-Vascular Interactions in Neuroblastoma
Y. H. Chantrey et al.
PIX千里TOR Inhibitors Inhibit angiogenesis by blocking MYCN-dependent paracrine signaling between tumor and endothelial cells.

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