

**COVER IMAGE**

Graphene's electronic properties can be modified by putting it on a substrate. Now it is shown that intercalating a graphene sheet and an iridium substrate with lead islands creates resonances, attributed to a spatial variation of spin-orbit coupling. Letter p43; News & Views p11

IMAGE: FABIAN CALLEJA

COVER DESIGN: ALLEN BEATTIE

ON THE COVER

Strongly correlated electrons
Bound to be linear
Article p54

Magneto-chiral dichroism
Strong response in molecular helix
Article p69; News & Views p7

Ultracold molecules
Subradiance exploited
Letter p32; News & Views p14

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Reviewed by Nicky Dean

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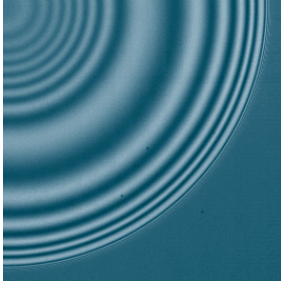
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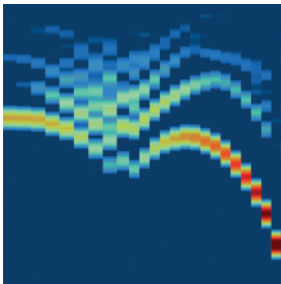
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Falling droplets bounce back well from superhydrophobic surfaces.

Now it is shown that when a thin air film is made to persist between drop and surface, efficient bouncing is possible for wettable surfaces too, and for drops with low surface tension.

Letter p48



Fractional magnetic excitations are thought to exist even in the simplest multi-dimensional spin models, but attention has focused on frustrated systems. Such excitations have now been seen in an unfrustrated two-dimensional quantum antiferromagnet.

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43 Spatial variation of a giant spin-orbit effect induces electron confinement in graphene on Pb islands

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