

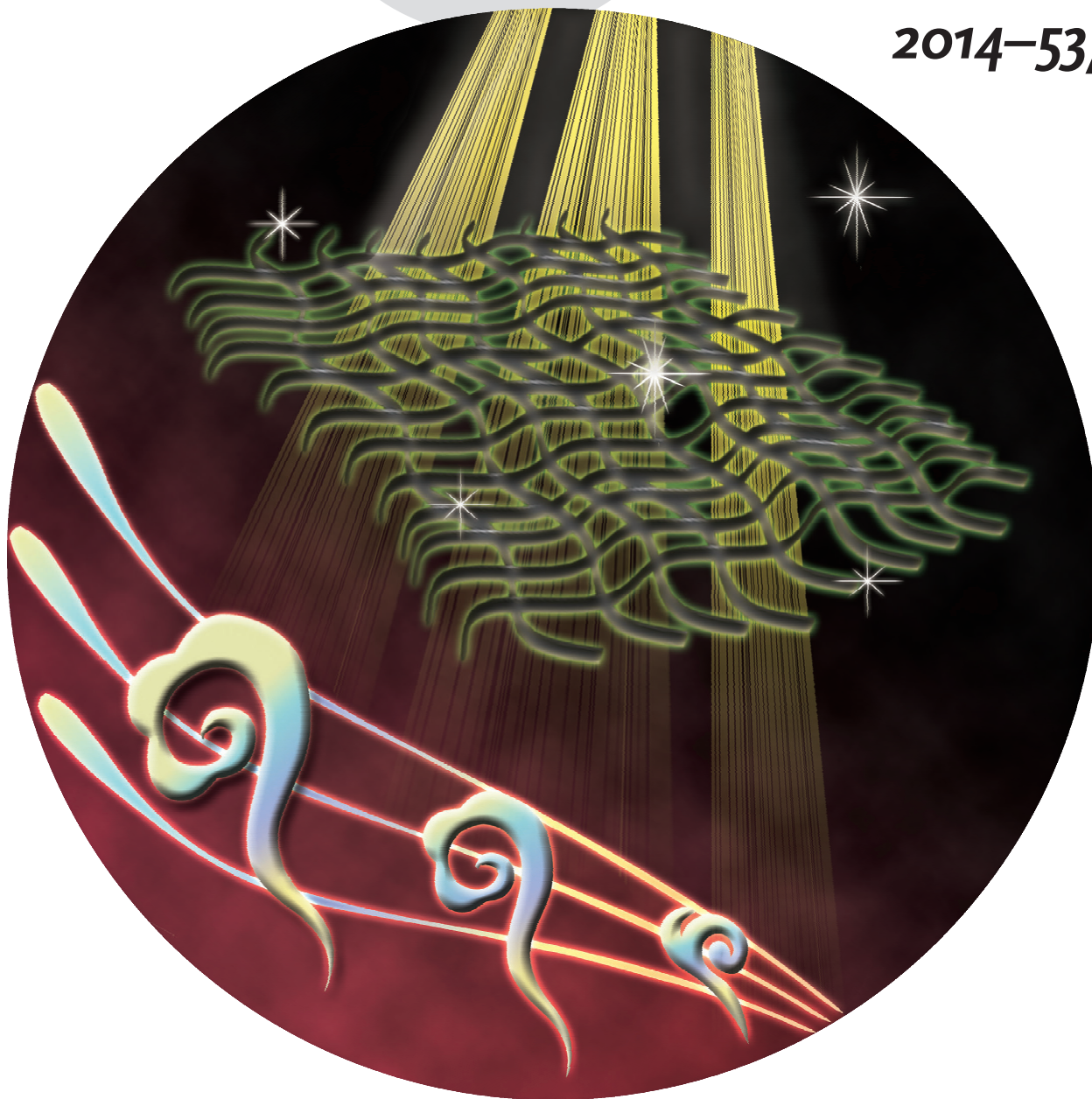
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A photo-annealing approach ...

... was developed for building functional polymer layers on paper. In their Communication on page 4465 ff., Y. Wang and co-workers show that conducting polyaniline with the ability to undergo photothermal conversion can be annealed by near-infrared light. The porous structure is retained in the annealed polymer but it becomes insulating and hydrophobic. The asymmetric paper functions as a “water diode” and selective photo-annealing produces patterned conductive arrays.

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