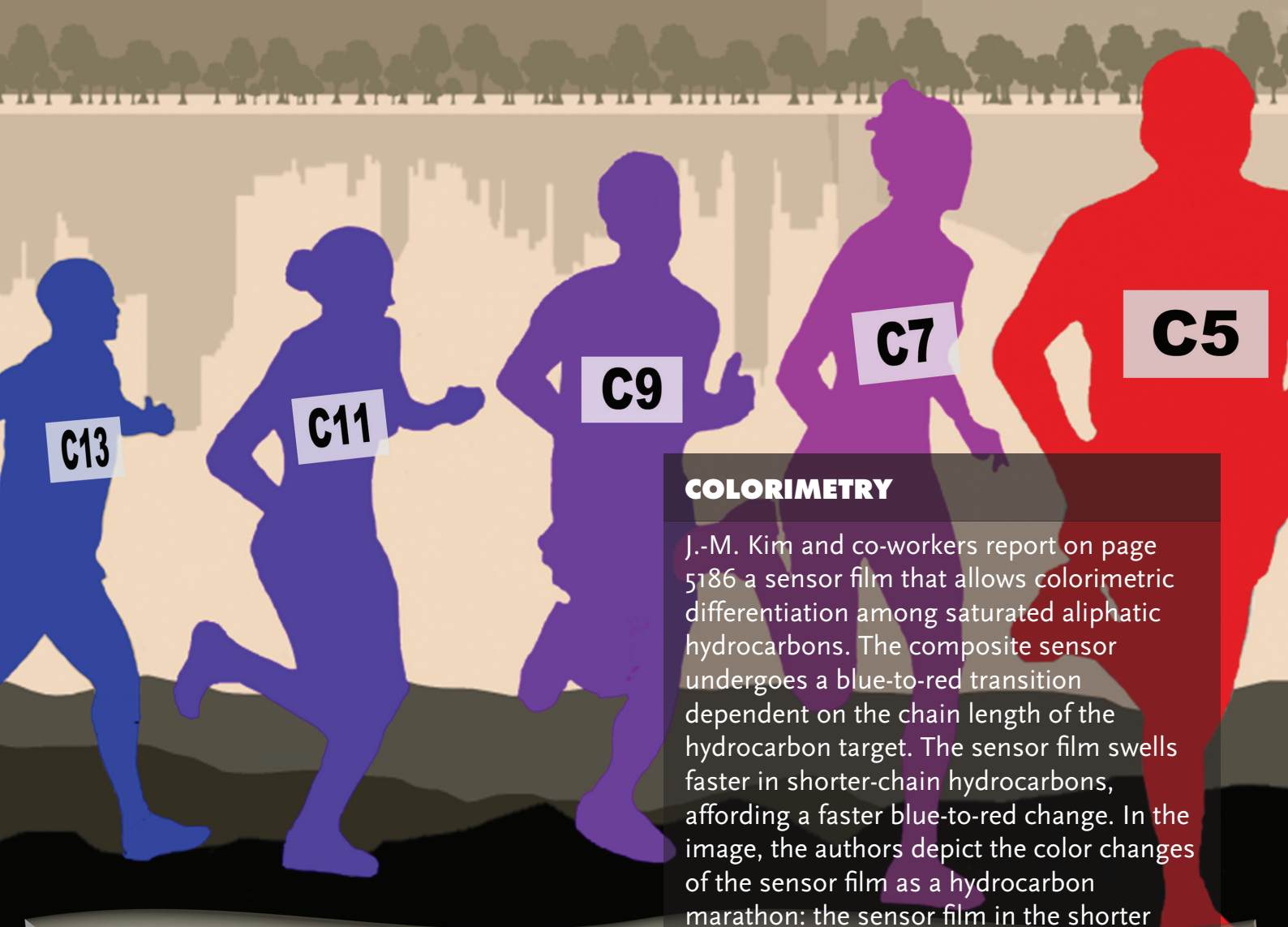


ADVANCED FUNCTIONAL MATERIALS



COLORIMETRY

J.-M. Kim and co-workers report on page 5186 a sensor film that allows colorimetric differentiation among saturated aliphatic hydrocarbons. The composite sensor undergoes a blue-to-red transition dependent on the chain length of the hydrocarbon target. The sensor film swells faster in shorter-chain hydrocarbons, affording a faster blue-to-red change. In the image, the authors depict the color changes of the sensor film as a hydrocarbon marathon: the sensor film in the shorter hydrocarbon “runs” faster and displays a faster color change.