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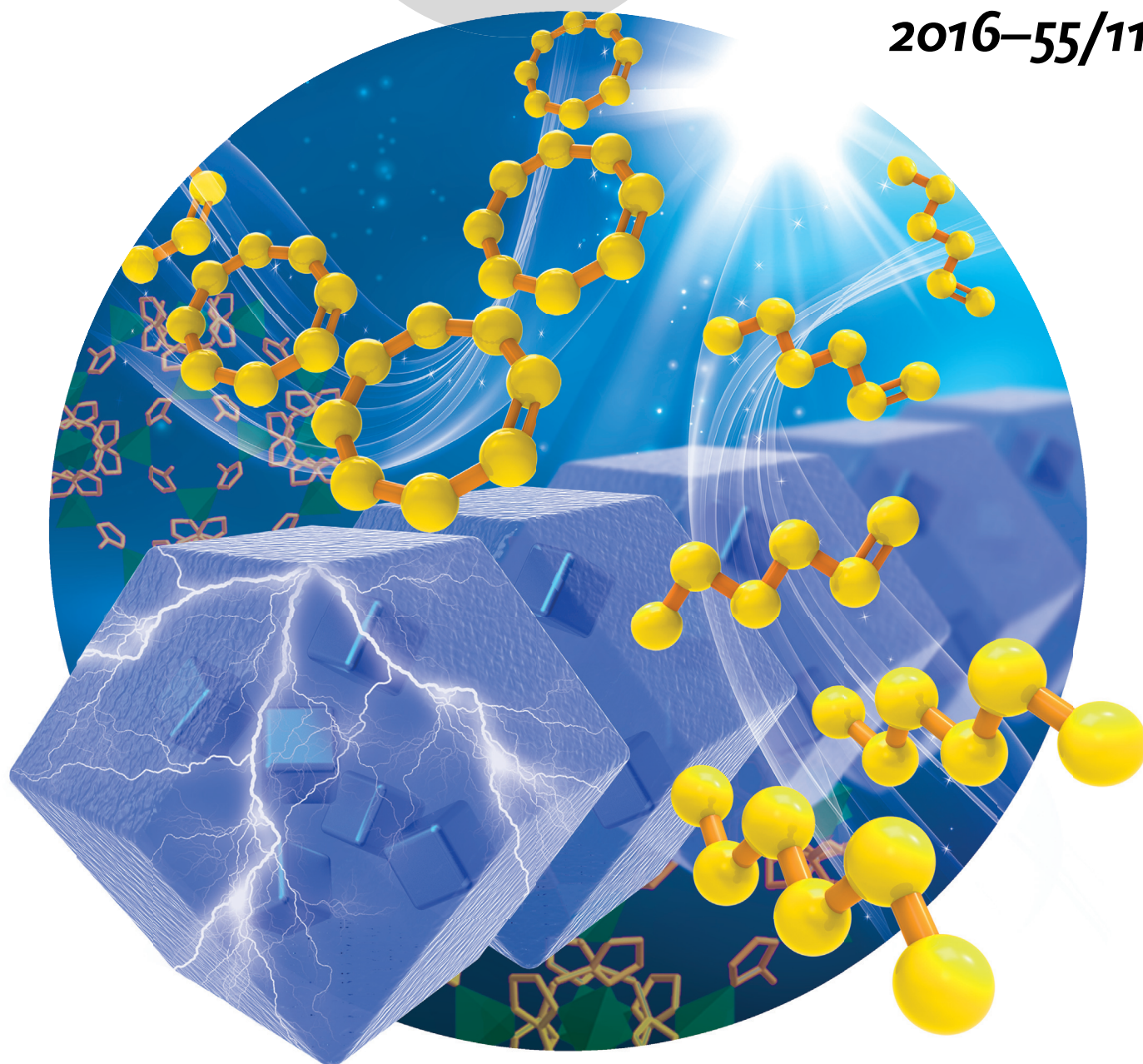
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The composite material ...

... Pd nanocubes@ZIF-8 was fabricated by the incorporation of Pd nanocubes into the metal–organic framework ZIF-8, and is an efficient catalyst of the hydrogenation of olefins at room temperature under light irradiation. In their Communication on page 3685 ff., H.-L. Jiang et al. explain that the superior performance of this material is due to the plasmonic photothermal effect of the Pd nanocubes and the multiple roles (H_2 enrichment, size exclusion, Pd stabilization) of the ZIF-8 shell.

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