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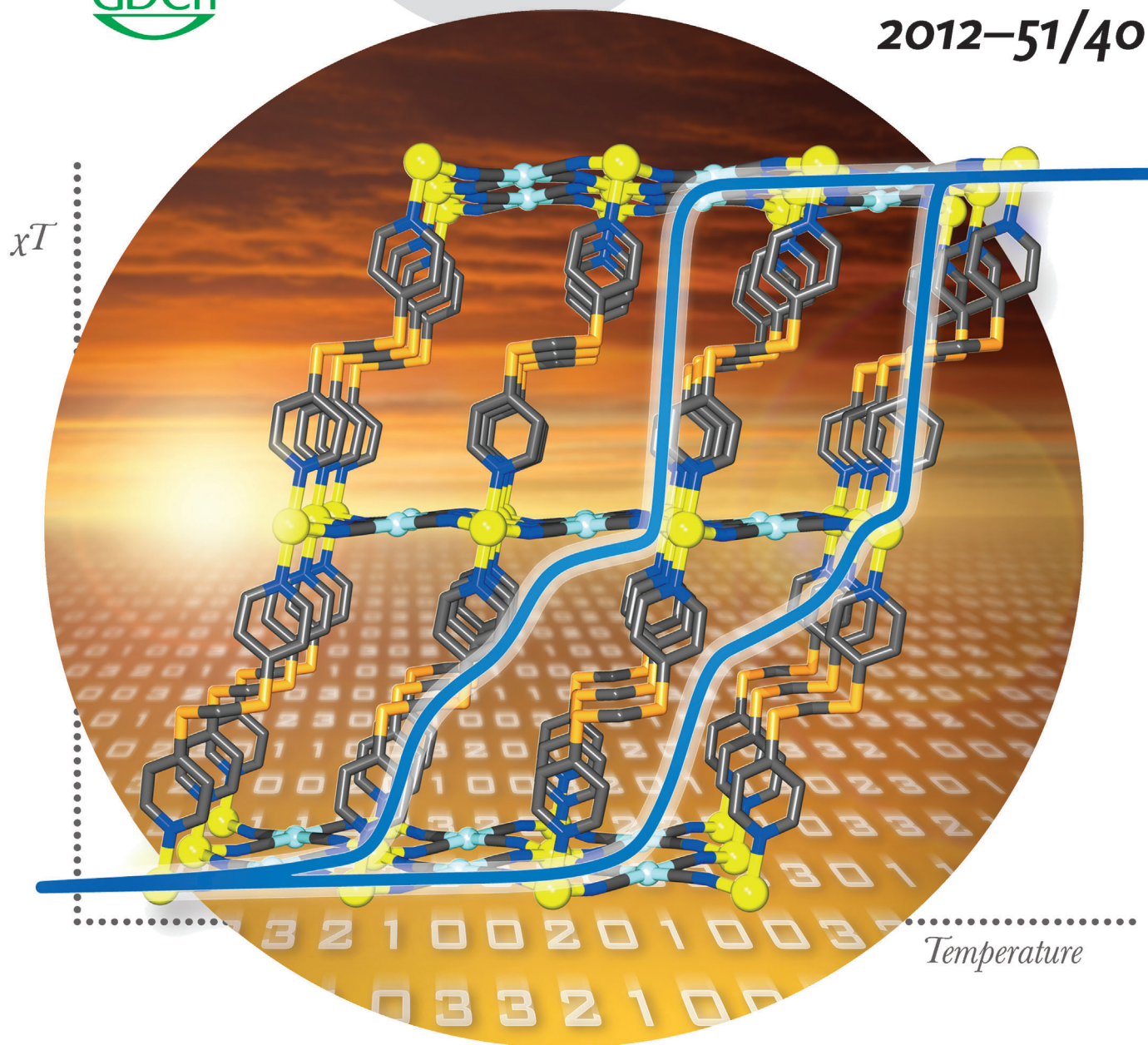
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Multistable molecular materials ...

... address fundamental questions in the solid state and promise application in a range of molecular devices. In their Communication on page 10154 ff. C. J. Kepert and co-workers present a metal–organic framework that exhibits a unique hysteretic three-step spin-crossover transition. The transition spans four separate lattice spin states and includes two temperature regions over which the material is formally tristable; that is, three of the four states are stable within each of these regions and may be individually accessed through thermal control. (Graphic design by Karl Mutimer.)

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