**REVIEW**

628 Marine Microbes See a Sea of Gradients
   R. Stocker
   >> Report p. 675

**REPORTS**

634 A Quantum Delayed-Choice Experiment
   A. Peruzzo et al.
   >> Science Podcast

637 Entanglement-Enabled Delayed-Choice Experiment
   F. Kaiser et al.
   Quantum entanglement is used to probe the nature of the photon.
   >> Perspective p. 621

640 Quantum Entanglement of High Angular Momenta
   R. Fickler et al.
   A method to entangle photons with very-high–orbital angular momentum quantum numbers advances quantum information science.

643 Efficient Hybrid Solar Cells Based on Meso-Superstructured Organometal Halide Perovskites
   M. M. Lee et al.
   Mesostructured alumina acts as an insulating scaffold for the assembly of very thin films of n- and p-type semiconductors.
   >> Perspective p. 625

647 Photoinduced Ullmann C–N Coupling: Demonstrating the Viability of a Radical Pathway
   S. E. Creutz et al.
   A century-old carbon–nitrogen coupling method can be accelerated by light.

651 The Absolute Chronology and Thermal Processing of Solids in the Solar Protoplanetary Disk
   J. N. Connelly et al.
   Isotopic dating implies that, contrary to previous results, two types of primitive solar system solids formed coevally.

655 Chloroplast Biogenesis Is Regulated by Direct Action of the Ubiquitin-Proteasome System
   Q. Ling et al.
   Protein degradation helps to coordinate the growth of chloroplasts with that of the whole plant.
   >> Perspective p. 622

659 Tricking the Guard: Exploiting Plant Defense for Disease Susceptibility
   J. Lorang et al.
   *Cochliobolus victoriae*, a necrotrophic fungal pathogen with devastating effects on oat crops reveals its strategies.

662 Tug-of-War in Motor Protein Ensembles Revealed with a Programmable DNA Origami Scaffold
   N. D. Derr et al.
   Two microtubule motors attached to the same cargo cooperate or compete, depending on relative directionality.
   >> Perspective p. 626

666 Synchronizing Nuclear Import of Ribosomal Proteins with Ribosome Assembly
   D. Kressler et al.
   The transport adaptor symportin mediates stoichiometric import of a pair of ribosomal proteins.

671 Gene Loops Enhance Transcriptional Directionality
   S. M. Tan-Wong et al.
   A protein constrains double-helical DNA physically, thereby pointing RNA polymerases in the right direction.
   >> Perspective p. 624

675 Trade-Offs of Chemotactic Foraging in Turbulent Water
   J. R. Taylor and R. Stocker
   In their quest for dissolved organic matter, marine bacteria overcome the effects of turbulence by swimming efficiently.
   >> Review p. 628

679 Asymmetric Division of *Drosophila* Male Germline Stem Cell Shows Asymmetric Histone Distribution
   V. Tran et al.
   The allocation of newly made histones to the daughter cell may explain how stem cells retain their epigenetic footprint.

682 Some Consequences of Having Too Little
   A. K. Shah et al.
   Being poor means that resources such as time and money are scarce, and this changes how people who are poor behave.
   >> Perspective p. 617; Science Podcast

**CONTENTS continued >>**