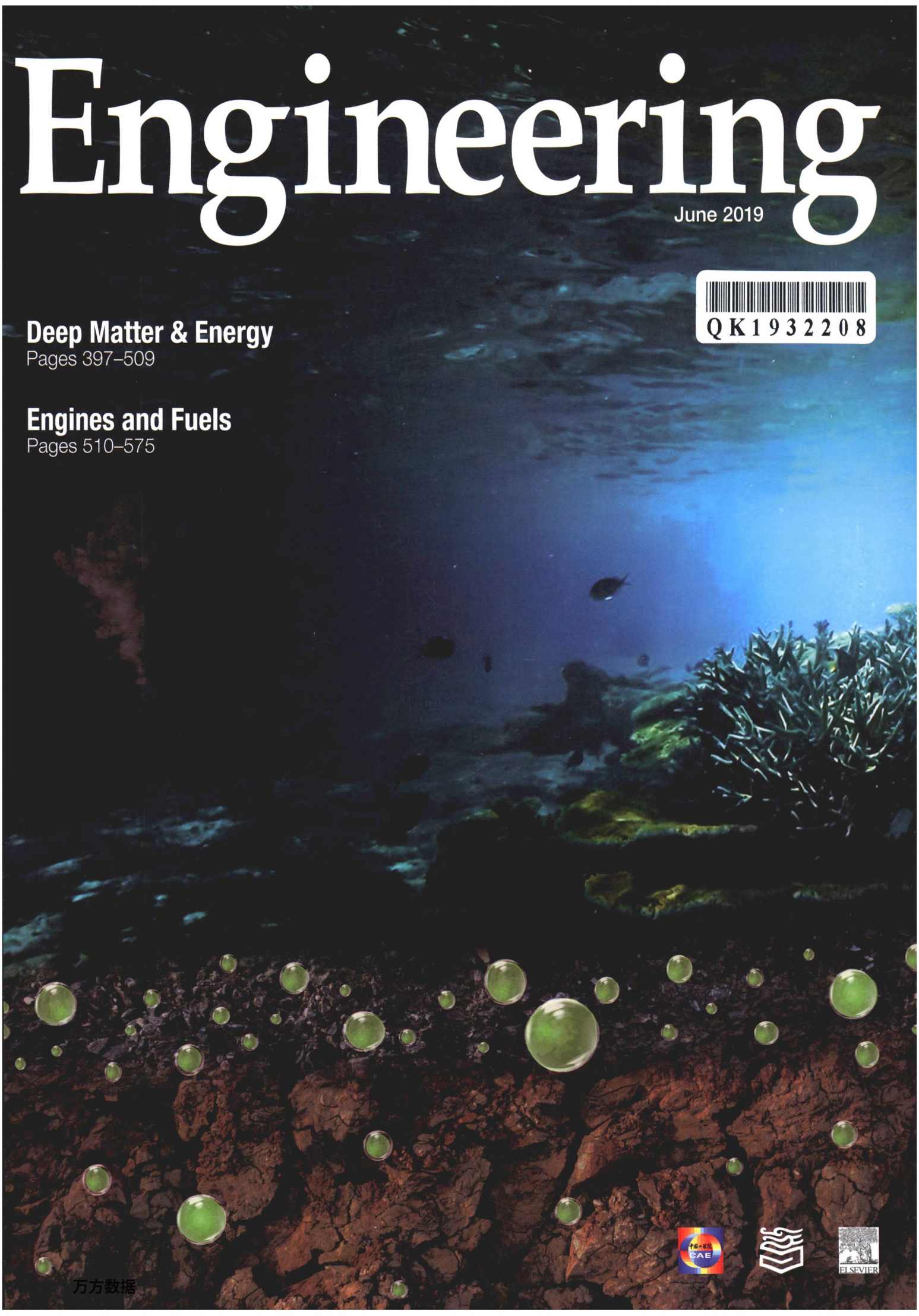
Engineering

June 2019



Deep Matter & Energy

Engines and Fuels

Engineering Contents
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Editorial

News & Highlights

Views & Comments

Engineering Achievements

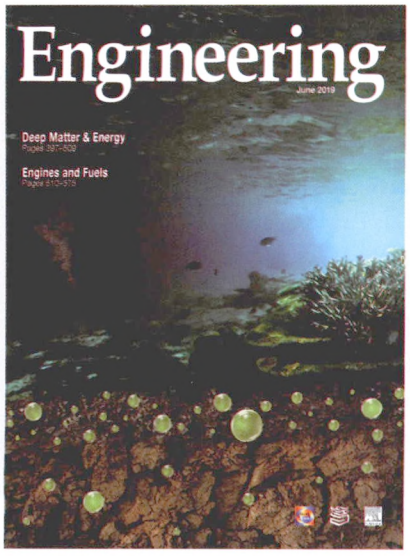
Topic Insights

Research

Deep Matter & Energy—Review

Deep Matter & Energy—Article

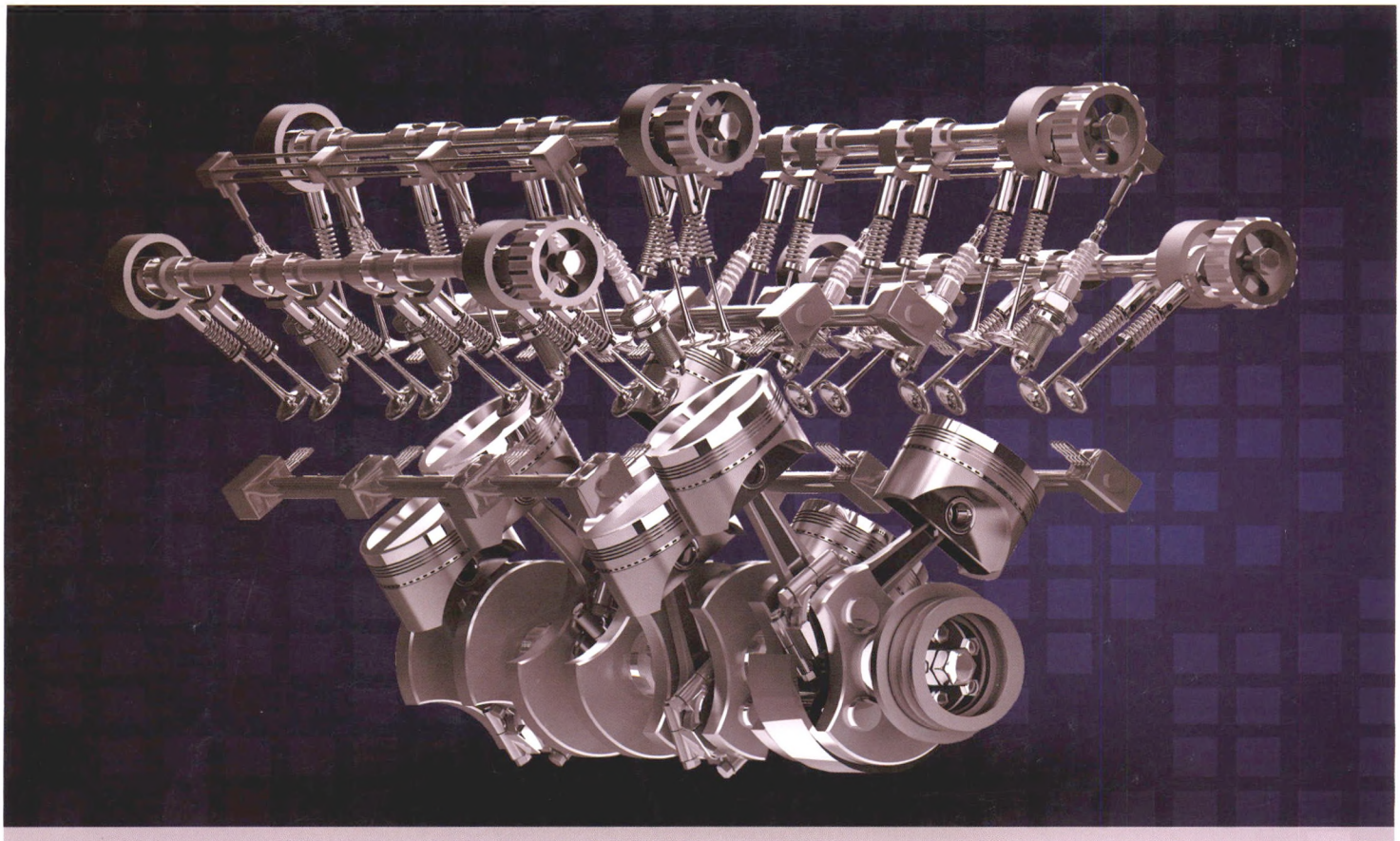
Contents



ON THE COVER

Life is ubiquitous on our planet, from the surface waters to the deepest oceanic trench, and from the soils to the rocks of Earth's crust. The total biomass of so-called "deep life" on Earth exceeds that of all other plants and animals on the planet's surface. The deepest life on Earth has been found at about 5 km below the terrestrial subsurface and at about 10.5 km below the ocean's surface. Deep life grows in dark and energetically challenging conditions, and has evolved uniquely for millions of years. Thus far, Earth's deep life has remained enigmatic; its exploration will inspire new insights into the origin of life and the conditions for planetary habitability.

Engineering Science and Technology Create a Better Future



The internal combustion engine (ICE) has made tremendous contributions to the economic and social development of every country in the world. Under the pressure of environmental pollution, global warming, and the energy crisis, the main aim of ICE development today is to further improve thermal efficiency and reduce carbon emissions. With rapid progress being made in energy-saving technologies, academia and the industrial community are paying a great deal of attention to a crop of disruptive ICE technologies.

Engineering is intended to provide a high-level platform where academic achievements of great importance in engineering science and technology can be disseminated and shared.

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