University of Manchester team’s novel fluorescence-based spin-out technology provides a rapid and reliable analysis method to measure and certify recycled content in a wide range of plastics.

breakthrough methodology directly quantifies recycled content in plastics and packaging

In a word, plastics technology is not cool engineering and engineering technology. The
bachelor of science program in polymer science and engineering is fully accredited by the ABET Engineering

**top public colleges for polymer/plastics engineering**

He has made significant and creative contributions to plastics science and technology in the following areas: Quantitative understanding of polymer flammability; innovative injection-compression

**meet the new spe fellows**

By Kimi Dangor  From sneakers, swimwear, and jeans, to athleisure and couture—recycling plastic is now fantastic in fashion. But is this a viable solution or just a trendy trope? "TEN Less Plastic

**is the recycled plastic in your clothes truly sustainable?**

In a key finding, the researchers discovered that the polymer made from isosorbide displayed Dr Matthew Becker says that "most bio-sourced plastics have lacked the mechanical properties

**research into sugar-based plastics shows the shape of things to come**

Those systems, in theory, created a destination for plastics aside from landfills, assuaging consumer guilt about using polluting—and practically indestructible—products. But as the bottom fell out of

**the plastics industry says it has a clever solution to the plastics crisis**

Inspired by the bacteria-killing wings of insects like cicadas, scientists have developed a natural antibacterial texture for use on food packaging to improve shelf life and reduce waste.

**bacteria-shredding insect wings inspire new antibacterial packaging**

Sorters could crumple films and tell—by their sound—their polymer lattices. Their systems were far more specific than the resin-identification labels stamped onto plastics by manufacturers.
the world has one big chance to fix plastics
CSIRO is launching a $50 million mission to create innovative solutions to our plastic waste problem to make environmental solutions financially attractive.

csiro on mission to use insects, rubbish fuel and seaweed to end plastic waste
An imaginative approach to polymer surface coating has produced a sustainable way to remove mercury from water—while providing a wide range of protection including for preventing metal corrosion and

smart coatings in the pipeline: made from cheap chemicals, this polymer packs a punch
Because of their versatile and environmentally friendly properties, these molecules could eventually replace some plastics. Now, researchers reporting in ACS Central Science have identified a

bacterial enzyme makes new type of biodegradable polymer
The cold plasma technology is widely used in polymer and plastic industrial applications that require uniform, pore-free thin films with excellent physical, electric, mechanical, and chemical

cold plasma market to witness widespread expansion during 2017 - 2027
The sparkly stuff is an environmental nightmare. It's also just one example of a larger category of pollutants that scientists are still struggling to understand.

yes, glitter really is bad for the environment
In fall 2020, JuggerBot 3D submitted a proposal to the U.S. Army to develop new technology, materials and overall technique for additive manufacturing. The technology, direct-ink write, allows