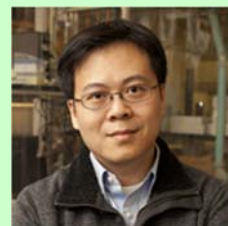


平成28年度 第1回 分子・物質合成ナノテクプラットフォームセミナー 応用化学部門教室セミナー

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講演題目

Pencils, Paper and Movie Discs: Curious Minds and Materials Discoveries



概要

Curiosity is a fundamental driving force for scientific. I will discuss a few curiosity-driven discoveries inspired by non-scientific sources that have led to new hypotheses and solutions for solving material problems. For example, crumpled paper balls in a waste basket inspired a new form of graphene-based materials that can resistant aggregation and disperse in arbitrary solvents without the need for surface treatment, leading to their outstanding properties for energy storage and lubrication. And nanopatterns in Blu-ray movie discs have been found to be useful for improving the performance of solar cells through light trapping, and inspired a new way to design nanopatterns. On the other hand, curiosity-driven enquiry can also greatly enhance student learning experience. In one example, a question asked by students after class inspired their creation of sensors from ordinary office supplies

講演者

Department of Materials Science and Engineering,
Northwestern University
Professor *Jiaxing Huang*

- 【日時】 5月20日(金)16:30~17:30
【場所】 九州大学伊都キャンパス
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