

【Abstract of 2008 Grant – in – Aid for Scientific Research on Innovative Areas
(Research in a proposed research area)】

Title of project	Emergence of highly elaborated π -space and its function
Head Investigator Name	Takeshi Akasaka
Abstract of Research Project	In this joint project, we focus on π -electrons and wish to create hitherto unavailable molecular assemblies while examining various interactions, including optical, electronic, and magnetic interactions. We define highly elaborated π -spaces as the sites where we create highly complex orders/systems that stem out from the π -electron-based interactions. We will pursue 1) research with clearly defined objectives, i.e., strategic research, and 2) emergent research that comes out from the combination of several independent elements. By conducting these two types of research in parallel,
Term of Project: 2008–2012	we wish to progress science unwaveringly and create innovation of unpredicted discovery and hope to contribute to the creation of next-generation advances in chemistry.