

materials



Assistant professor Junliang Sun works within the field of the synthesis, structure characterization and application of porous materials. He is leading a research team examining structure determination by combining X ray and electron microscopy techniques in various ways, for example a charge flipping algorithm. In this report , he will detail how to determine the structure by electron microscopy techniques electron crystallography. Its great advantages for the structure determination are due to the retaining of phase information and the strong interaction between matter and electrons. Few examples will be demonstrated to show how to use HRTEM images and electron diffraction patterns for the structure determination.

		2001	2006	
2006	10	2008	12	
		2009	1	Assistant Professor
		Research Team		
		Nature	Nature Chemistry	Nature Materials
Angew. Chem.			40	

