

# Contents

1	Introduction	1
2	Goals of Nanotechnology	2
3	Molecular Self-Assembly	4
4	Low-Energy Electron Microscopy	6
5	Scanning Tunneling Microscopy and X-ray Photoelectron Spectroscopy	8
6	Thermal Deprotonation	10
7	Role of the Substrate	12
8	Transformation Kinetics	14
9	No unit cell of the $\alpha$ phase	16
10	Tilings	18
11	Electron-Beam Induced Transformations	20
12	Vision: Organic Electronics	22
13	Vision: Metal-Organic Networks on 2D Materials	24
14	Research Group: Molecular Nanostructures at Surfaces	26
	References	28
	Rights and Permissions	34
	Abstract/Abstrakt	35