

## Professor WANG Yang (汪洋)

College	College of Chemistry & Chemical Engineering
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	1997.9-2001.7: B.S. in Chemistry, Beijing Normal University 2001.9-2006.7: Ph.D. in Physical Chemistry, Beijing Normal University
Research Interests	Structures, bonding and stabilities of nanoclusters; Chemical bonding theories; Adsorption, reaction and self-assembly of molecules on surfaces; Design and modeling of functionalized materials
Selected Publications	<ol style="list-style-type: none"><li>1. Ruyi Li, Yang Wang*, Modification of boron nitride nanocages by titanium doping results unexpectedly in exohedral complexes. Nat. Commun. 2019, 10, 4908.</li><li>2. Yang Wang*, Sergio Díaz-Tendero, Manuel Alcamí, Fernando Martín*. Relative Stability of Empty Exohedral Fullerenes: <math>\pi</math> Delocalization versus Strain and Steric Hindrance. J. Am. Chem. Soc., 2017, 139, 1609-1617.</li><li>3. Yang Wang*, Sergio Díaz-Tendero, Fernando Martín, Manuel Alcamí. Key Structural Motifs To Predict the Cage Topology in Endohedral Metallofullerenes. J. Am. Chem. Soc., 2016, 138, 1551-1560.</li><li>4. Yang Wang, Sergio Díaz-Tendero, Manuel Alcamí, Fernando Martín*. Cage connectivity and frontier <math>\pi</math> orbitals govern the relative stability of charged fullerene isomers. Nat. Chem., 2015, 7, 927-934.</li></ol> <p>Yang Wang*, José Gabriel Solano-Canchaya, Manuel Alcamí, Heriberto Fabio Busnengo, Fernando Martín*. Commensurate Solid-Solid Phase Transitions in Self-Assembled Monolayers of Alkylthiolates Lying on Metal Surfaces. J. Am. Chem. Soc., 2012, 134, 13224-13227.</p>

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