ChemComm

91

2010 4 7

* 100
Advanced Materials Coordination Chemistry Reviews

*
- 2009

*
2

* 2009
A

* 2009 “
”

* 4 2009

*

* 2009
2010 3 25
77
4 2009
4

20

* -
”

100 “ ” 3
180

*
5

* 2010
77 8
5

* 2009 11 25 Ferdi Schüth
Ferdi Schüth
Ferdi Schüth
“ ” “ Nanoscale Design of Catalytic Materials ”

* 2010 1
1993 1996
2001
2004 A&M

* 2010 1 26

* 2010 1
9

DFT

* 2009 12 23

120 60 70 80

* 2009

*

12 13 20

Lab

*

78 79

88

3 6

77 03 81

*

2010 1 25

75

*

2009

12 19 46

*

2010 1 3

76

2 3-

C=N

Csp3-H C-N

C=N C-H 100%

2 3-

η 3 S-C-N

J. Am. Chem. Soc. 2009, 131, 15108 – 15109.)

J. Am. Chem. Soc. 2009, 131, 17783-17785 DFT

[1,2]-

[1,n]- J. Am. Chem. Soc. 2007, 129, 3470; Chem. Eur. J. 2008, 14, 4361; Synlett 2009, 905

11 20 National University of Singapore Prof. Bin Liu, Conjugated Polyelectrolyte as a New Platform for Biological Sensing and Imaging

11 27 University of Illinois at Urbana-Champaign, Prof. Kenneth S. Suslick, The Optoelectronic Nose: An Adventure in Molecular Recognition

12 4

10 22 Department of Applied Biology and Chemical Technology The Hong Kong Polytechnic University Hong Kong, China Prof. Man-Kin Wong, Development of New Methods for Organic Synthesis and Selective Modification of Natural Products and Biomolecules

11 5 UC Berkeley/HHMI Prof. Christopher J. Chang Molecular Imaging Approaches to Understanding Metal and Oxidation Biology in the Brain

11 25 Department of Heterogeneous Catalysis Max-Planck-Institut für Kohlenforschung Prof. Ferdi Schüth Nanoscale design of catalytic materials

11 28 Thar Instruments, Inc. Director of Research & Development

12 10 Department of Chemistry University of Massachusetts, Prof. Matthew A. Holden, Droplet Interface Bilayers