固体表面物理化学国家重点实验室 2012 年报论文目录

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专著章节

1.	"Computational Organometallic Chemistry" Chapter: Mechanistic Insights into Selective Oxidation of Light Alkanes by Transition Metal Compounds/Complexes Fu G, Xu X Springer ISBN 978-3-642-25257 113-142 (2012)
2.	"Computational Organometallic Chemistry" Chapter: Reactivity of Metal Carbene Clusters $Pt_nCH_2^+$ and $PtMCH_2^+$ (M = Cu, Ag, Au, Pt, Rh) Toward O_2 and NH_3 : A Computational Study Cao ZX Springer ISBN 978-3-642-25257 169-218 (2012)
主	要研究论文
1.	In-Situ Infrared Spectroscopic Studies of Electrochemical Energy Conversion and Storage Li JT, Zhou ZY, Broadwell I, Sun SG ACCOUNTS OF CHEMICAL RESEARCH 45(4) (2012) 485-494
2.	Mesoporous Beta Zeolite-Supported Ruthenium Nanoparticles for Selective Conversion of Synthesis Gas to C_5 - C_{11} Isoparaffins Cheng K, Kang JC, Huang SW, You ZY, Zhang QH, Ding JS, Hua WQ, Lou YC, Deng WP, Wang Y ACS CATALYSIS 2(3) (2012) 441-449
3.	Tetrahexahedral Pt Nanocrystal Catalysts Decorated with Ru Adatoms and Their Enhanced Activity in Methanol Electrooxidation Liu HX, Tian N, Brandon MP, Zhou ZY, Lin JL, Hardacre C, Lin WF, Sun SG ACS CATALYSIS 2(5) (2012) 708-715
4.	Copper Can Still Be Epitaxially Deposited on Palladium Nanocrystals To Generate Core-Shell Nanocubes Despite Their Large Lattice Mismatch

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