

CATLAB – Selected References

- R 1 **Synthesis, characterization and catalytic properties of CuO nanocrystals with various shapes**
Kebin Zhou^{1,2}, Ruipu Wang¹, Boqing Xu¹ and Yadong Li¹
¹ Department of Chemistry and National Center for Nanoscience and Nanotechnology, Tsinghua University, Beijing 100084, People's Republic of China
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Nanotechnology 17 (2006) 3939-3943
- R 2 **Enhanced hydrogen storage in Ni/Ce composite oxides**
Léonard E. A. Berlouis^{*a}, Clotilde Jubin,^a Brian G. McMillan,^a James Morrow,^a Mark D. Spicer,^a Leung P. Tang,^a Olivier Bordelanne^b and Michael Weston^b
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- R 3 **Quantification of Brønsted Acid Sites in Microporous Catalysts by a Combined FTIR and NH₃-TPD Study**
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- R 4 **Mixed conductivity, oxygen permeability and redox behavior of K₂NiF₄-type La₂Ni_{0.9}Fe_{0.1}O_{4+d}**
V.V. Kharton^a, E.V. Tsipis^b, E.N. Naumovich^a, A. Thursfield^c, M.V. Patrakeev^d, V.A. Kolotygin^a, J.C. Waerenborgh^b, I.S. Metcalfe^c
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- R 5 **Conversion of Methanol to Hydrocarbons: Spectroscopic Characterization of Carbonaceous Species Formed over H-ZSM-5**
Luisa Palumbo,^{†,‡} Francesca Bonino,^{*} ^{†,‡} Pablo Beato,[§] Morten Bjørgen,[|] Adriano Zecchina,^{†,‡} and Silvia Bordiga^{†,‡}
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- R 6 **Hydrogen release from solid state NaBH₄**
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Torino, Italy
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- R 7 **Synthesis of ZnO–carbon composites and imprinted carbon by the pyrolysis of ZnCl₂-
catalyzed furfuryl alcohol polymers**
Federico Cesano, Domenica Scarano *, Serena Bertarione, Francesca Bonino, Alessandro Damin,
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- R 8. **NO and N₂O dynamics followed by FTIR over Fe-ZSM-5 with low iron content**
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- R 9. **Adsorption and reactivity of nitrogen oxides (NO₂, NO, N₂O) on Fe–zeolites**
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6 Bd Maréchal Juin, F-14050 Caen, France
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- R 10. **Impact of synthesis temperature on hydrogen storage and emission from Ni/Ce
composite oxides**
Leung P. Tang^a, Louise Diamond^a, Marion MacDonald^a, Brian G. McMillan^a,
James Morrow^a, Mark D. Spicer^a, Le'onard E.A. Berlouis^{a,*}, Michael Weston^b
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Street, Glasgow G1 1XL, United Kingdom
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- R11. **Mechanism for CO oxidation catalyzed by Pd-substituted BaCeO₃, and the local
structure of the active sites**
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- R12 **New insights into the promoting effect of H₂O on a model Pt/Ba/Al₂O₃ NSR catalyst**
Jin-Yong Luo, William S. Epling.
University of Waterloo, Canada.
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- R13 **Sulfur release from a model Pt/Al₂O₃ diesel oxidation catalyst: temperature-
programmed and step-response techniques characterization**
Jin-Yong Luo, Darren Kisinger, Ali Abedi, William S. Epling
University of Waterloo, Canada.
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- R14 **The observation of equilibria present in stepwise gas phase hydrogenation reactions**
Andrew McFarlane¹, Liam McMillan¹, Ian Silverwood¹, Neil G. Hamilton¹, David Siegel¹, Stewart F. Parker², David T. Lundie³, David Lennon¹.
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- R15 **La₄LiAuO₈ and La₂BaPdO₅: Comparing Two Highly Stable d⁸ Square-Planar Oxides**
Joshua A. Kurzman, Xiaoying Ouyang, Won Bin Im, Jun Li, Jerry Hu, Susannah L. Scott and Ram Seshadri.
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- R16 **Maleic anhydride yield during cyclic n-butane/oxygen operation**
Ali Shekari, Gregory S. Patience.
Ecole Polytechnique, Montreal, Canada
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