## Publications in peer-reviewed journals


2. S. Wagloehner, D. Reichert, H. Bockhorn, S. Kureti, Studies on the effect of physico-chemical soot properties and feed gas composition on the kinetics of soot oxidation on Fe\textsubscript{2}O\textsubscript{3} catalyst, Chemie Ingenieur Technik, \textit{http://dx.doi.org/10.1002/cite.201200218}.


5. D. Reichert, H. Bockhorn, S. Kureti, Recent advances in the understanding of the direct conversion of soot and NO on Fe\textsubscript{2}O\textsubscript{3} catalyst in diesel exhaust, Chemistry Today 28 (2010) 51-53.


7. D. Reichert, T. Finke, N. Atanassova, H. Bockhorn, S. Kureti, Global kinetic modelling of the reaction of soot with O\textsubscript{2} and NO\textsubscript{x} on Fe\textsubscript{2}O\textsubscript{3} catalyst, Applied Catalysis B: Environmental 84 (2008) 803-812; \textit{http://dx.doi.org/10.1016/j.apcatb.2008.06.014}.

8. D. Reichert, H. Bockhorn, S. Kureti, Study of the reaction of NO\textsubscript{x} and soot on Fe\textsubscript{2}O\textsubscript{3} catalyst in excess of O\textsubscript{2}, Applied Catalysis B: Environmental 80 (2008) 248-259; \textit{http://dx.doi.org/10.1016/j.apcatb.2007.11.024}.

9. H. Bockhorn, S. Kureti, D. Reichert, Study on the mechanism of the catalytic conversion of NO\textsubscript{x} and soot into N\textsubscript{2} and CO\textsubscript{2} on Fe\textsubscript{2}O\textsubscript{3} in diesel exhaust, Topics in Catalysis 42-43 (2007) 283-286; \textit{http://dx.doi.org/10.1007/s11244-007-0192-0}.

10. P. Balle, H. Bockhorn, B. Geiger, N. Jan, S. Kureti, D. Reichert, T. Schröder, A novel laboratory bench or practical evaluation of catalysts useful for simultaneous conversion of NO\textsubscript{x} and soot in diesel exhaust, Chemical Engineering and Processing 45 (2006) 1065-1073; \textit{http://dx.doi.org/10.1016/j.cep.2006.03.014}.


12. S. Kureti, D. Reichert, H. Bockhorn, Katalysierte Simultanumsetzung von Ruß und NO\textsubscript{x} im Abgas von Dieselmotoren, Chemie Ingenieur Technik 76 (2004) 1280; \textit{http://dx.doi.org/10.1002/cite.200490210}.

## Patent


## Conference contributions


2. J. Steinbrueck, D. Reichert, B. Genova, M. Rossbach, L. Walz, H. Bockhorn: Talk 3DO.3.5: Biocoal in Minutes - Biomass Steam Processing on the Pilot Plant Scale, 20\textsuperscript{th} European Biomass Conference and Exhibition, 18 - 22 June 2012, Milan, Italy.
Conference contributions continued


6) S. Wagloehner, D. Reichert, P. Balle, B. Geiger, S. Kureti, Mean field modelling of the oxidation of CO on Fe₂O₃ catalyst, 6th International Conference on Environmental Catalysis, 12 - 15 September 2010, Beijing, China.


9) S. Wagloehner, D. Reichert, P. Balle, B. Geiger, S. Kureti, Mean field modelling of the oxidation of CO on Fe₂O₃ catalyst, Europacat IX, 30 August - 4 September 2009, Salamanca, Spain.

10) D. Reichert, S. Kureti, H. Bockhorn: Poster: Kinetic studies of the catalytic soot/O₂/NOₓ reaction, Catalysis: A Major Key to Sustainability, 15 - 17 April 2009, Sydney, Australia.


13) D. Reichert, H. Bockhorn, S. Kureti: Talk A-9: Direct conversion of NOₓ and soot into N₂ and CO₂ in diesel exhaust on Fe₂O₃ catalyst, 5th International Conference on Environmental Catalysis, 31 August - 3 September 2008, Belfast, Northern Ireland.


17) H. Bockhorn, S. Kureti, D. Reichert: Poster: Study on the mechanism of the catalytic conversion of NOₓ and soot into N₂ and CO₂ on Fe₂O₃ in diesel exhaust, 7th International Congress on Catalysis and Automotive Pollution Control (Capoc7), 30 August - 1 September 2006, Brussels, Belgium.


Theses


2) Doctorate thesis: Untersuchungen zur Reaktion von Stickstoffoxiden und Sauerstoff mit Ruß am Katalysator α-Fe2O3, University of Karlsruhe, Germany, 2008 (Studies on the reaction of nitrogen oxides and oxygen with soot on α-Fe2O3); http://digbib.ubka.uni-karlsruhe.de/volltexte/1000008457.

3) Chemistry-Diplom final year thesis: Kontinuierliche Simultanumsetzung von Ruß und Stickstoffoxiden an katalysatorbeschichteten Rußfiltern, University of Karlsruhe, Germany, 2003 (Continuous and simultaneous conversion of soot and nitrogen oxides on catalytically coated particulate filters); www.dirkreichert.de/Diplomarbeit_Dirk_Reichert.pdf.

Miscellaneous

1) Newspaper article: BNN, Badische Neueste Nachrichten Karlsruhe (Germany): 01. February 2011: Im Handumdrehen wird Grünzeug zu Kohle (Green stuff becomes coal with the flick of the wrist).


3) KIT EnergyNews: January 2012: Dampf für grüne Kohle (Steam for green coal).

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