

# External Funds

Project Name	Akronym	Referenz No.	Funds' Provider	Funding Period	Project Leader at FHI	Cooperation Partner	Coordinator
International Partnership for Research and Education: "Molecular Engineering for Conversion of Biomass derived Reactants to Fuels, Chemicals and Materials"	PIRE			2012	Prof. R. Schlögl Dr. M. Behrens (host German site)	Prof. M. Antonietti Prof. M. Scheffler Prof. R. J. Davis Prof. J. A. Dumesic Prof. M. Neurock Prof. B. Shanks Prof. C. Christensen Prof. I. Chorkendorff Prof. J. K. Nørskov Prof. S. Hellweg	Prof. A.K.Datye (Univ.of New )
Partner group Dalian, Chinese Academy of Sciences. "Carbon-based challenging nanostructured materials for catalytic application"	Bao	MCHAFHI 00001	MPG	2000- 2011	Dr. D. S. Su		Prof. Dr. Xinhe Bao
Development of an ambient Pressure XES reaction cell	APXES		MPG	2010 continuing	Dr. A. Knop-Gericke	Dr. Laurent Duda Uppsala University	
In situ studies of oxygen species in the ethylene epoxidation over silver			MPG	1999 continuing	Dr. A. Knop-Gericke	Prof. V. L. Bukhtiyarov (, Russian)	Dr. A. Knop-Gericke
Development of high pressure hard X-ray photoelectron spectrometer			MPG	2011	Dr. A. Knop-Gericke	SPECS Surface Nano Analysis GmbH	Dr. A. Thissen
Pd model catalysts in oxidation reactions			MPG	2004 continuing	Dr. M. Behrens	Dr. B. Klötzer (Innsbruck, Austria) Dr. D. Zemlyanov (Limerick, Irland)	Dr. M. Behrens
Identification of local environment of transition metal promoter cations in heterogeneous catalysts.			MPG	2004 continuing	Dr. A. Trunschke	Prof. Dr. S. Klokishner (, Acad. Sci. Moldova)	
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Cooperation Zagreb "TEM and Raman spectroscopy of nanostructured transition metal oxides"	DAAD		DAAD	2012 - 2015	Dr. M. Willinger	Dr. A. Gajović (Zagreb, Kroatien)	Dr. A. Gajović

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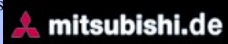
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Oxidnitride des Zirconiums als Materialien und Modellverbindungen für die katalytische Aktivierung von Ammoniak	DFG	SCHL 332/9-2	DFG	continuing	Prof. R. Schlögl	Prof. M. Lerch Prof. R. Schomäcker	Prof. T. Ressler
Novel Pd-based catalysts for non-oxidative methane activation	DFG	444 BRA-113/56/0-1	DFG	2009-2011 continuing	Dr. M. Behrens	Prof. Dr. M. Schmal (Centro de Tecnologia, COPPE, Rio de Janeiro, Brazil)	
Der Einfluss des Ladungstransports in Hochleistungsoxidationskatalysatoren auf Aktivität und Selektivität		PSFHI 711	DFG	2012 - 2015	Dr. M. Eichelbaum		
Nanostructured mixed metal oxides for the electrocatalytic oxidation of water	SPP 1613	PSFHI 712	DFG	2012 - 2015	Dr. A. Knop Dr. J. Tornow	Prof. P. Strasser (TU Berlin)	
Nanostructured Ta-oxide nitride and Chalcopyrite-based Thin Film Composites and Co-Catalysts for Visible Light-driven Overall Water Splitting	SPP 1613	BE 4767/2-1	DFG	2012-2015	Dr. M. Behrens	Prof. M. Lerch, Dr. A. Fischer, Dr. Th. Schedel-Niedrig	
In-situ Neutron Diffraction of Solid Catalysts	BE 4767/1-1		DFG	2010	Dr. M. Behrens	Dr. K.D. Liss (BRAGG Institute, AUS)	
Neue kostengünstige und nachhaltige Materialien für die PEM-Elektrolyse zur Herstellung von H <sub>2</sub> aus regenerativen Energien		PSFHI 111	DFG	2012 - 2015	Dr. J. Tornow		








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“Unifying Concepts in Catalysis”, application to become Cluster of Excellence	CoE Unicat	PSFHI 770	German Federal and State Governments to Promote Science and Research at German Universities	starting 2007 continuing	Prof. R. Schlögl Dr. R. Horn Prof. H.J. Freund Prof. G. Meijer Prof. M. Scheffler	<a href="http://www.unicat.tu-berlin.de">http://www.unicat.tu-berlin.de</a>	Prof. M. Driess (TU Berlin)

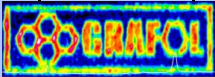


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Project Name	Akronym	Referenz No.	Funds' Provider	Funding Period	Project Leader at FHI	Cooperation Partner	Coordinator
Activation of C2-C4 hydrocarbons 	BasCat	PSFHI 771	BASF	2013 - 2017	Prof. R. Schlögl Dr. A. Trunschke	BASF TU Berlin	Prof. R. Schlögl Prof. M. Driess (TU Berlin) Dr. F. Rosowski (BASF)
Chemical vapor deposition of Si for battery anodes 		PSFHI 990	VW	01.07.2011-30.06.2013	Prof. R. Schlögl Dr. J. Tornow	MPI f. Solid State Research, Stuttgart	Prof. R. Schlögl
Neue Katalysatoren für die saure Wasserelektrolyse 		PSFHI 261	BASF	7.1.2013- 2016	Prof. R. Schlögl Dr. M Willinger	Prof. R. Schlögl	
Mo-based catalysts in olefin metathesis 		PSFHI 255	Mitsubishi Chemicals	2008-2012	Dr. A. Trunschke		Prof. R. Schlögl

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Development of a long-term stable methanol synthesis catalyst 	Cu IX	PSFHI 256	Bayerisches Staatsministerium für. Wirtschaft, Infrastruktur, Verkehr u. Technologie	Starting 2010	Prof. R. Schlögl Dr. M. Behrens	Südchemie, Prof. M. Muhler (Ruhr-Uni. Bochum), Prof. Hinrichsen (TU München) 	Südchemie
Innovationsallianz CNT 	CarboKat	PSFHI 110	BMBF FKZ 03X0204C	01.01.2011 – 31.12.2013	Prof. R. Schlögl Dr. A. Trunschke	Bayer Technology Services Prof. M. Muhler (Ruhr Universität Bochum) Südchemie AG	Bayer Technology Services
Verwertung von CO2 als Kohlenstoff-Baustein unter Verwendung überwiegend regenerativer Energie	CO2RRRECT	PSFHI 109	BMBF	01.04.2011 - 31.03.2014	Prof. R. Schlögl Dr. M. Behrens		
Contraction of a photon energy beamline and several endstations @ BESSY 	EMIL		BMBF HZB MPG	2010-2012	Prof. R. Schlögl Dr. A. Knop-Gericke	HZB 	

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Graphene chemical vapour deposition: roll to roll technology	Grafol 	PS FHI 879	European Union	01.10.2011–30.09.2014	Dr. A. Knop-Gericke	Cambridge University, AIXTRON, Philips, AMO, Thales, Intel, Commissariat à l'Energie Atomique, TU Denmark, Ecole Polytechnique Federale Lausanne, Cambridge CMOS Sensors, CNRS, Graphena	Prof. J. Robertson Uni. of Cambridge 