Jaap A Bergwerff

List of Publications by Year
in descending order

18	1,317	471509 17	839539 18
papers	citations	h-index	g-index

19	19	19	1217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Luminescence of nanocrystalline ZnS:Cu2+. Journal of Luminescence, 2002, 99, 325-334.	3.1	182
2	Envisaging the Physicochemical Processes during the Preparation of Supported Catalysts:Â Raman Microscopy on the Impregnation of Mo onto Al2O3Extrudates. Journal of the American Chemical Society, 2004, 126, 14548-14556.	13.7	150
3	Catalytic activity in individual cracking catalyst particles imaged throughout different life stages by selective staining. Nature Chemistry, 2011, 3, 862-867.	13.6	132
4	Spatially resolved UVâ€“vis microspectroscopy on the preparation of alumina-supported Co Fischerâ€“Tropsch catalysts: Linking activity to Co distribution and speciation. Journal of Catalysis, 2006, 242, 287-298.	6.2	116
5	Influence of the preparation method on the hydrotreating activity of MoS2/Al2O3 extrudates: A Raman microspectroscopy study on the genesis of the active phase. Journal of Catalysis, 2006, 243, 292-302.	6.2	102
6	Spatially Resolved Raman and UV-visible-NIR Spectroscopy on the Preparation of Supported Catalyst Bodies: Controlling the Formation of H2PMo11CoO405â¯ Inside Al2O3 Pellets During Impregnation. Chemistry - A European Journal, 2005, 11, 4591-4601.	3.3	80
7	Hydroprocessing catalyst deactivation in commercial practice. Catalysis Today, 2010, 154, 256-263.	4.4	73
8	Noninvasive In Situ Visualization of Supported Catalyst Preparations Using Multinuclear Magnetic Resonance Imaging. Journal of the American Chemical Society, 2005, 127, 11916-11917.	13.7	65
9	UVâ¯Vis Microspectroscopy:â€‰ Probing the Initial Stages of Supported Metal Oxide Catalyst Preparation. Journal of the American Chemical Society, 2005, 127, 5024-5025.	13.7	60
10	On the interaction between Co- and Mo-complexes in impregnation solutions used for the preparation of Al2O3-supported HDS catalysts: A combined Raman/UVâ€“visâ€“NIR spectroscopy study. Catalysis Today, 2008, 130, 117-125.	4.4	56
11	Tomographic Energy Dispersive Diffraction Imaging as a Tool To Profile in Three Dimensions the Distribution and Composition of Metal Oxide Species in Catalyst Bodies. Angewandte Chemie - International Edition, 2007, 46, 8832-8835.	13.8	52
12	Probing the Transport of Paramagnetic Complexes inside Catalyst Bodies in a Quantitative Manner by Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2007, 46, 7224-7227.	13.8	50
13	Monitoring Transport Phenomena of Paramagnetic Metalâ€Ion Complexes Inside Catalyst Bodies with Magnetic Resonance Imaging. Chemistry - A European Journal, 2008, 14, 2363-2374.	3.3	50
14	Staining of Fluidâ€Catalyticâ€Cracking Catalysts: Localising BrÃ¸nsted Acidity within a Single Catalyst Particle. Chemistry - A European Journal, 2012, 18, 1094-1101.	3.3	43
15	Insights into the Preparation of Supported Catalysts:Â A Spatially Resolved Raman and UVâ¯Vis Spectroscopic Study into the Drying Process of CoMo/Î³-Al2O3Catalyst Bodies. Journal of Physical Chemistry B, 2005, 109, 14513-14522.	2.6	38
16	Microspectroscopic insight into the deactivation process of individual cracking catalyst particles with basic sulfur components. Applied Catalysis A: General, 2012, 419-420, 84-94.	4.3	34
17	Magnetic resonance imaging as an emerging tool for studying the preparation of supported catalysts. Applied Catalysis A: General, 2010, 374, 126-136.	4.3	25
18	Monitoring the preparation of (Co)Mo/Al2O3 extrudates using spatially resolved spectroscopic techniques. Studies in Surface Science and Catalysis, 2006, , 175-186.	1.5	9