**Meynen Vera – list of publications :**

**A1 Tijdschriftartikel**

* [**3D-printing of hierarchical porous ZSM-5 : the importance of the binder system**](https://repository.uantwerpen.be/link/irua/145136)

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* [CO2**dissociation in a packed bed DBD reactor : first steps towards a better understanding of plasma catalysis**](https://repository.uantwerpen.be/link/irua/144802)

[Michielsen Inne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E230084%7Eirua), [Uytdenhouwen Yannick](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E241610%7Eirua), [Pype Judith](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E232267%7Eirua), [Michielsen Bart](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E100058%7Eirua), Mertens J., Reniers F., **Meynen Vera**, [Bogaerts Annemie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E30177%7Eirua)

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2016

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* [**An adhesive conducting electrode material based on commercial mesoporous titanium dioxide as a support for Horseradish peroxidase for bioelectrochemical applications**](https://repository.uantwerpen.be/link/irua/126495)

[Rahemi Vanousheh](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E238236%7Eirua), [Trashin Stanislav](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E144498%7Eirua), **Meynen Vera**, [De Wael Karolien](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E127443%7Eirua)

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[Trashin Stanislav](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E144498%7Eirua), [De Jong Mats](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E226229%7Eirua), **Meynen Vera**, [Dewilde Sylvia](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E30472%7Eirua), [De Wael Karolien](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E127443%7Eirua)

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* [**Novel grafting method efficiently decreases irreversible fouling of ceramic nanofiltration membranes**](https://repository.uantwerpen.be/link/irua/119279)

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* [**Organic solvent nanofiltration with Grignard functionalised ceramic nanofiltration membranes**](https://repository.uantwerpen.be/link/irua/113870)

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* [**Surface chemistry : the key-property of templated mesoporous carbons for sorption**](https://repository.uantwerpen.be/link/irua/125341)

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* [**Environmental catalysis : topical issue**](https://repository.uantwerpen.be/link/irua/117694)

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2013

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* [**A new method to graft titania using Grignard reagents**](https://repository.uantwerpen.be/link/irua/109873)

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* [**A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology**](https://repository.uantwerpen.be/link/irua/93280)

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* [**Experimental and statistical modeling study of low coverage gas adsorption of light alkanes on meso-microporous silica**](https://repository.uantwerpen.be/link/irua/96911)

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* [**Formation of a Ti-siliceous trimodal material with macroholes, mesopores and zeolitic features via a one-pot templating synthesis**](https://repository.uantwerpen.be/link/irua/88367)

[Vernimmen Jarian](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E129009%7Eirua), **Meynen Vera**, Mertens Myrjam, [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua)

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* [**Is their potential for post-synthetic brominating reactions on benzene bridged PMOs?**](https://repository.uantwerpen.be/link/irua/101763)

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* [**Systematic evaluation of thermal and mechanical stability of different commercial and synthetic photocatalysts in relation to their photocatalytic activity**](https://repository.uantwerpen.be/link/irua/96910)

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* [**The impact of framework organic functional groups on the hydrophobicity and overall stability of mesoporous silica materials**](https://repository.uantwerpen.be/link/irua/96909)

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**H2 Hoofdstuk in een boek**

* [**Hybrid organic-inorganic membranes for solvent filtration**](https://repository.uantwerpen.be/link/irua/96912)

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2011

**A1 Tijdschriftartikel**

* [**Immersion calorimetry as a tool to evaluate the catalytic performance of titanosilicate materials in the epoxidation of cyclohexene**](https://repository.uantwerpen.be/link/irua/88366)

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* [**Mechanistic study of hydrocarbon formation in photocatalytic**CO2**reduction over Ti-SBA-15**](https://repository.uantwerpen.be/link/irua/94036)

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* [**New insights in the formation of combined zeolitic/mesoporous materials by using a one-pot templating synthesis**](https://repository.uantwerpen.be/link/irua/91574)

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* [**Smart heating profiles for the synthesis of benzene bridged periodic mesoporous organosilicas**](https://repository.uantwerpen.be/link/irua/93630)

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2010

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* [**Influence of heat treatment on the in vitro bioactivity of alkali-treated titanium surfaces**](https://repository.uantwerpen.be/link/irua/88154)

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2009

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2008

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* [**Development of photocatalytic efficient Ti-based nanotubes and nanoribbons by conventional and microwave assisted synthesis strategies**](https://repository.uantwerpen.be/link/irua/69696)

[Ribbens Stefan](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E129691%7Eirua), **Meynen Vera**, [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua), [Ke Xiaoxing](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E124570%7Eirua), Mertens M., [Maes Bert](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E99551%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

Microporous and mesoporous materials: zeolites, clays, carbons and related materials - ISSN 1387-1811 - 114:1/3(2008), p. 401-409
Full text (DOI uitgever): [http://dx.doi.org/doi:10.1016/J.MICROMESO.2008.01.028](http://dx.doi.org/doi%3A10.1016/J.MICROMESO.2008.01.028)
[c:irua:69696]

* [**Influence of the synthesis parameters of**TiO2−SBA−15**materials on the adsorption and photodegradation of rhodamine-6G**](https://repository.uantwerpen.be/link/irua/68280)

[de Witte Koen](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E99532%7Eirua), Busuioc A.M., **Meynen Vera**, Mertens M., Bilba N., [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

Microporous and mesoporous materials: zeolites, clays, carbons and related materials - ISSN 1387-1811 - 110:1(2008), p. 100-110
Full text (DOI uitgever): [http://dx.doi.org/doi:10.1016/J.MICROMESO.2007.09.035](http://dx.doi.org/doi%3A10.1016/J.MICROMESO.2007.09.035)
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* [**Mesoporous material formed by acidic hydrothermal assembly of silicalite-1 precursor nanoparticles in the absence of meso-templates**](https://repository.uantwerpen.be/link/irua/68229)

[Stevens Wesley](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E99646%7Eirua), **Meynen Vera**, Bruijn Erik, [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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Full text (DOI uitgever): [http://dx.doi.org/doi:10.1016/J.MICROMESO.2007.09.007](http://dx.doi.org/doi%3A10.1016/J.MICROMESO.2007.09.007)
[c:irua:68229]

* [**Multi-step loading of titania on mesoporous silica: influence of the morphology and the porosity on the catalytic degradation of aqueous pollutants and VOC's**](https://repository.uantwerpen.be/link/irua/68279)

[de Witte Koen](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E99532%7Eirua), **Meynen Vera**, Mertens M., [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua), Sepúlveda-Escribano A., Rodríguez-Reinoso F., [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua)

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Full text (DOI uitgever): [http://dx.doi.org/doi:10.1016/J.APCATB.2008.03.015](http://dx.doi.org/doi%3A10.1016/J.APCATB.2008.03.015)
[c:irua:68279]

* [**Photocatalytic study of P25 and mesoporous titania in aqueous and gaseous environment**](https://repository.uantwerpen.be/link/irua/68277)

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* [**The influence of preparation method on the physicochemical properties of titaniasilica aerogels: part two**](https://repository.uantwerpen.be/link/irua/76590)

Brodzik Krzystof, Walendziewski Jerzy, Stolarski Marek, [van Ginneken Luc](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E28617%7Eirua), [Elst Kathy](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E139737%7Eirua), **Meynen Vera**

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Full text (DOI uitgever): [http://dx.doi.org/doi:10.1007/S10934-007-9130-6](http://dx.doi.org/doi%3A10.1007/S10934-007-9130-6)
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* [**The merging of silica-surfactant microspheres under hydrothermal conditions**](https://repository.uantwerpen.be/link/irua/72021)

Liu Shiquan, [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), Mertens Myrjam, **Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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2007

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* [**Deposition of vanadium silicalite-1 nanoparticles on SBA-15 materials: structural and transport characteristics of SBA-VS-15**](https://repository.uantwerpen.be/link/irua/61567)

**Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua), Kortunov P., Grinberg F., Kärger J., Mertens M., [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua)

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* [**Epoxidation of propylene with nitrous oxide on**Rb2SO4**-modified iron oxide on silica catalysts**](https://repository.uantwerpen.be/link/irua/63614)

Moens Bart, de Winne Hendrik, Corthals Steven, Poelman Hilde, de Gryse R., **Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), Sels Bert F., Jacobs Pierre A.

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* [**Fast fabrication of hollow silica spheres with thermally stable nanoporous shells**](https://repository.uantwerpen.be/link/irua/61566)

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* [**Growth of anatase nanoparticles inside the mesopores of SBA-15 for photocatalytic applications**](https://repository.uantwerpen.be/link/irua/58820)

Busuioc A.M., **Meynen Vera**, [Beyers Evi](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97432%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), Bilba N., [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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* [**Influence of MCM-41 silanol number on vanadia deposition by molecular designed dispersion method**](https://repository.uantwerpen.be/link/irua/66352)

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**Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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* [**The influence of preparation method on the physicochemical properties of titania-silica aerogels**](https://repository.uantwerpen.be/link/irua/66271)

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* [**Transport properties of guest molecules in mesoporous SBA-15 materials studied with the help of pulsed field gradient NMR**](https://repository.uantwerpen.be/link/irua/63970)

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**H3 Hoofdstuk in een boek**

* [**Nanodesign of combined micro- and mesoporous materials for specific applications in adsorption and catalysis**](https://repository.uantwerpen.be/link/irua/63126)

**Meynen Vera**, Busuioc A.M., [Beyers Evi](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97432%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua), Bilba N., Mertens M., [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua)

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2006

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* [**Influence of the MCM-41 morphology on the vanadia deposition by a molecular designed dispersion method**](https://repository.uantwerpen.be/link/irua/61310)

Hanu Alina-Mihaela, Liu Shiquan, **Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), Popovici Eveline, [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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* [**Structural features and photocatalytic behaviour of titania deposited within the pores of SBA-15**](https://repository.uantwerpen.be/link/irua/61250)

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* [**Vanadium silicalite-1 nanoparticles deposition onto the mesoporous walls of SBA-15. mechanistic insights from a combined EPR and Raman study**](https://repository.uantwerpen.be/link/irua/58821)

Chiesa Mario, **Meynen Vera**, [Van Doorslaer Sabine](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97614%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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2005

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* [**Adsorption of Hydrocarbons on Mesoporous SBA-15 and PHTS Materials**](https://repository.uantwerpen.be/link/irua/54042)

[van Bavel Ellen](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97598%7Eirua), **Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), Lebeau Kurt, [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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* [**Diffusion effects in SBA-15 and its plugged analogous by a deposition of metal-acetylacetonate complexes**](https://repository.uantwerpen.be/link/irua/54040)

**Meynen Vera**, [Segura Yolanda](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97567%7Eirua), Mertens M., [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua)

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* [**Preparation and characterization of**SnO2**nanoparticles of enhanced thermal stability: the effect of phosphoric acid treatment on SnO2·\*\*n\*\*H2O**](https://repository.uantwerpen.be/link/irua/54041)

Kõrösi László, Papp Szilvia, **Meynen Vera**, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua), Dékány Imre

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2004

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* [**Aluminum incorporation into MCM-48 toward the creation of Brønsted acidity**](https://repository.uantwerpen.be/link/irua/49014)

Collart Olivier, [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Van der Voort Pascal](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97613%7Eirua), **Meynen Vera**, [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua), Houthoofd Kristof J., Grobet Piet J., [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua)

The journal of physical chemistry : B : materials, surfaces, interfaces and biophysical - ISSN 1520-5207 - 108(2004), p. 13905-13912
Full text (DOI uitgever): [http://dx.doi.org/doi:10.1021/JP049837X](http://dx.doi.org/doi%3A10.1021/JP049837X)
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* [**Design and applications of a home-built in situ FT-Raman spectroscopic cell**](https://repository.uantwerpen.be/link/irua/49015)

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* [**Post-synthesis deposition of V-Zeolitic nanoparticles in SBA-15**](https://repository.uantwerpen.be/link/irua/44934)

**Meynen Vera**, [Beyers Evi](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97432%7Eirua), [Cool Pegie](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E29122%7Eirua), [Vansant Etienne](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E17128%7Eirua), Mertens M., Weyten H., [Lebedev Oleg](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E97518%7Eirua), [Van Tendeloo Gustaaf](http://anet.uantwerpen.be/services.phtml?service=acadbibart&language=N&extra=a%3A%3A920%2E27233%7Eirua)

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* [**TiOx-VOx mixed oxides on SBA-15 support prepared by the designed dispersion of acetylacetonate complexes: spectroscopic study of the reaction mechanisms**](https://repository.uantwerpen.be/link/irua/44930)

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2003

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* [**A new strategy towards ultra stable mesoporous titania with nanosized anatase walls**](https://repository.uantwerpen.be/link/irua/44935)

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