Benjamin CLAESSENS

Maître de Conférences (Lecturer)
google scholar profile
LinkedIn profile
www.benjaminclaessens.com

Professional Experience

Sept. 2023 – Now

Maître de Conférences at Aix-Marseille University (France)
Researcher at the MADIREL laboratory (gas adsorption in microporous materials).
Teaching at Bachelor level in Chemistry (solution chemistry, thermodynamics, kinetics, …)

Oct. 2022 – Sept. 2023

Post-doctoral Researcher at Aix-Marseille University (France)
EnAp group (Dr. E. Bloch, Dr. S. Bourrelly) at MADIREL laboratory
Investigating microporous materials for alkane / alkene separations
ANR SAAM project, involving 4 universities

Mar. 2021 – Oct. 2022

Post-doctoral Researcher at Universiteit Gent (Belgium)
Biomath (prof. Ingmar Nopens) & PAINT (prof. Arne Verliefde)
Investigating effects of solute-solvent-membrane affinity in organic solvent nanofiltration
EASICHEM project, involving 5 universities and 1 research institute
Supervision of 2 MSc and 1 PhD student.
3 articles in peer-reviewed journals

2016 – Feb. 2021

PhD Candidate at the Vrije Universiteit Brussel (Belgium)
Lab of prof. Joeri Denayer
Enhancing biobutanol recovery via adsorption: adsorbents, 3D-printed monoliths and unexpected equilibrium effects.
Supervision of 6 Master thesis students.
7 articles in peer-reviewed journals.
Writing of FWO & FWO SB proposals.
3rd place at the Vlaamse PhD cup - www.phdcup.be

Jan. – Mar. 2020

Research Stay at the University of Edinburgh (United Kingdom)
Lab of prof. Stefano Brandani
Mass transfer in structured adsorbents & adsorption thermodynamics
Course on adsorption: from material to the process level
Funded by a Gustave-Boël Sofina fellowship.

Summer 2015

Internship at Johnson & Johnson (Belgium)
Evaluation of an at-column-dilution system for preparative supercritical chromatography.

Education

2016 – 2021	**Doctor of Engineering Sciences** Vrije Universiteit Brussel (Belgium) Greatest Distinction with special congratulations of the reviewing committee .
2014 – 2016	**Master of Science in Bio-Engineering Sciences: Chemistry & Bioprocess Technology** Minor: Chemical Biotechnology Vrije Universiteit Brussel (Belgium) Greatest Distinction. MSc thesis: Multicolumn adsorption for the vapor phase recovery of acetone-butanol-ethanol fermentation products
2011 – 2014	**Bachelor of Science in Bio-Engineering Sciences** Vrije Universiteit Brussel (Belgium) Great Distinction.

Acquired Funding

As the main PI, I have obtained ~€250k funding as main supervisor and ~€600k in collaborative grants as a project partner. I have also obtained ~€10k via industrial research contracts (Atlas Copco, …)

Title/Acronym	Source	Type	Amount	Period	Role
3D-CAP-CO_2	Marie-Curie COFUND	PhD Grant	€133 000	2025-2028	Main Supervisor
Playing With Pore Size for Enhanced Alkane / Alkene Separations	Doctoral Schools AMU	PhD Grant	€93 600	2025 -2028	Main Supervisor
ANGSTROEM	ANR	Collaborative Research Grant	€606 348 (Total)	2024 – 2028	WP leader
SILICAP-CO_2	AMUTECH	Collaborative Research Grant	€17 000	2024 – 2025	Main Supervisor
SILICAP-CO_2	CNRS Energies	Collaborative Research Grant	€21 000	2024 – 2025	Main Supervisor
Gustave-Boël Sofina Fellowship	Koning Boudewijnstichting	Scientific Award	€21 800	2019 – 2020	Awardee
FWO backup mandate	Doctoral Schools VUB	PhD Grant	€36 000	2017 – 2018	Funding for the first year of my PhD

Supervision

I supervised 3 PhD students, 1 research Engineer and 9 MSc students

PhD students	David Fernando Ramirez Bejarano (2025 – Now)	3D-printed adsorbents for Carbon Capture from Dilute Sources

	J. Duplessis-Kergormard (2024 – Now)	Playing with pore size for enhanced alkane / alkene separation
	D. Illana González (2021 – 2022)	Modelling of ion exchange column dynamics
Engineer	M. Levy (2024)	Adsorption of alkanes and alkenes in zeolites.
MSc students	F. Hamamria (2023 – 2024)	Investigating the effect of binders used in 3D-printing on the adsorption of CO_2 in zeolite 13X
	E. Strybol (2021 – 2022)	Investigating solute-solvent-membrane affinity in OSN
	M. Verstraete (2021 – 2022)	Adsorptive recovery of phenol from steam cracker blowdown water
	M. Coolen (2020 – 2021)	Development of a Vapor - Liquid – Solid Equilibrium and Dynamic Model for Displacement Desorption
	E. J. Beckwée (2020 – 2021)	Carbon monoliths for the adsorptive separation of biobutanol: liquid versus vapor phase separation performance
	S. Elibol (2019 – 2020)	Adsorptive recovery of bio-isobutanol in liquid/supercritical CO2: frontal analysis and model development
	G. R. Wittevrongel (2018 – 2019)	All-silica Beta zeolite for the vapor phase adsorptive separation of bio-isobutanol mixtures
	M. De Staercke (2017 – 2018)	Adsorbents for the Recovery of Isobutanol: Identification, Characterization and Evaluation of Desorption Methods
	N. Dubois (2017 – 2018)	3D-Printed Structured ZIF-8 Adsorbents for the Vapour Phase Adsorptive Recovery of Bioalcohols

Awards

26/06/2022 **71st Lindau Nobel Laureate Meeting**
One of 4 Belgian chemists selected by the FWO to participate in the yearly Lindau Nobel Laureate Meeting. At this conference, 600 young researchers are selected worldwide to attend lectures by and exchange ideas with Nobel laureates (~30 laureates attend the meeting).
https://www.lindau-nobel.org/

12/10/2021 **3rd place at the Vlaamse PhD cup**
National science communication competition. Goal is to present your PhD research in 3 min. to a broad audience. Open to PhD candidates from all possible fields.
https://www.youtube.com/watch?v=6X2SO8dVkPY

11/02/2019 **Gustave Boël Sofina Prize**
Fellowship (€21 800) awarded by the Platform for Education & Talent.
Funding of a 6-month research stay in the lab of prof. S. Brandani.

12/04/2017 **Best poster award**
at the annual meeting of the British Zeolite Association.

15/12/2016 **Ilya Prigogine Prize**
Award for most promising student finishing his degree in Bio-engineering or Chemistry at VUB and ULB, awarded by the International Solvay Institutes.

Teaching

My current teaching activities are situated in the bachelor of Chemistry, Physical Chemistry and the Master of Science in Nanosciences and Nanotechnologies. I am teaching exercise and lab sessions in Thermodynamics, Reaction Kinetics, …

2021 – Now **Digitalization for resource recovery – Ghent University (2 h/y)**
Guest lecturer
Teaching the basics of adsorption column dynamics for the recovery of organics from wastewater sources (adsorption / regeneration) to 2nd Master bio-engineering students.

2017 - 2020 **Thermodynamics – Vrije Universiteit Brussel (39 h/y)**
Weekly 3h exercise sessions to 2nd bachelor bioengineering, physics and chemistry students.

2019 – 2020 **Development of 3rd Bachelor project – Vrije Universiteit Brussel**
Development, from scratch, of a student project (72 h/y) for ca. 40 bio-engineering students, in collaboration with 6 colleagues. Based on my PhD research topic. Students have to build their own, medium scale adsorption column to recover biobutanol from model mixtures. They have to analyze samples, perform Aspen simulations and compare different purification technologies.

2016 – 2019 **Unit Operations lab sessions – Vrije Universiteit Brussel (48 h/y)**
Teaching weekly 4h lab sessions on gas / solid fluidization to students of 3rd bachelor bio-engineering, 3rd bachelor chemical engineering and 1st Master chemical engineering.

2016 – 2019 **Heterogenous Catalysis lab sessions – Vrije Universiteit Brussel (42 h/y)**
Teaching full-day lab session on adsorption column dynamics, using *n*-butanol adsorption in ZIF-8 as a case study. Audience were 1st Master chemical engineering and bio-engineering students.

Responsibilities & Services

2025 – Now **IFAA Board Member**
Treasurer of the French German Adsorption Initiative

2022 – 2024 **Groupe Française des Zéolithes board member**
Member of the board of the GFZ – representing young researchers

2022	**Selection Committee Z33 – Healing Water (Hasselt, Belgium)** Art house Z33 organised an exhibition and residency for designers & artists regarding water in our society. I was part of the jury selecting project proposals.
2022	**Reviewer for the IWA World Water Congress**
2022	**Member of Scientific Committee 7th Young Water Professionals meeting**
2021-2022	**Organizer of weekly seminars** Organizing weekly seminars in our research group at Ghent University. PhD students and post-docs present their latest research results or anything scientifically interesting they encountered in the past time.
2021 – 2022	**Post-Doc representative at CAPTURE** I represented all post-doctoral researchers in the governing council of the new CAPTURE building in Ghent. In this building, 6 research groups merged their research activities in 2021, requiring quite a lot of finetuning between the different members.
2016 – 2022	**Alumni Representative** I represented bio-engineering alumni in the educational council of the Bio-Engineering Sciences department at VUB.
2011 – 2016	**Student Representative** Student representative in departmental and faculty council of the Faculty of Sciences at the VUB.
2013 – 2015	**Biotecho** Vice-president and president of the bio-engineering student society.

Communication to a Non-Expert Audience

Since my participation in the PhD cup, I try to actively communicate my research results to a broad audience via social media posts (Facebook, LinkedIn, Twitter) and blog posts on my personal website. I also give talks for a broad audience about my research. As a result of my participation in the PhD cup, I was invited to write a contribution to EOS magazine blogs and the alumni magazine of the VUB.

Talks	**"Maken we binnenkort fietsbanden van ons GFT-afval?"** Dag van de Wetenschap (27/11/2022) Talk about my PhD research at the science festival in Ghent. **"Van groenafval naar 'groene' verf"** PhD cup finale (11/10/2021) https://www.youtube.com/watch?v=6X2SO8dVkPY
Magazine & Newspaper Articles	**"Van groenafval naar "groene" verf met ultraporeuze spons"** EOS magazine (13/09/2021) EOS is the largest Flemish scientific magazine for popular scientific articles

https://www.eoswetenschap.eu/natuur-milieu/van-groenafval-naar-groene-verf-met-ultraporeuze-spons

"Van groenafval naar 'groene' verf."
BREA magazine ed. oktober – december 2021
https://www.brea.be/magazines/brea-magazine-oktober-december-2021

Interviews

"Van groenafval plastic maken, ik kan dat, zegt biotechnoloog Benjamin Claessens"
I gave an interview about my PhD work at Belgian radio station Radio 1. The program Nieuwe Feiten is focused on interesting new developments in science & society. Radio 1 is one of the largest national radio stations.
https://radio1.be/luister/podcast/nieuwe-feiten/5/45

Reviewing Activities

I have been a reviewer for the journal Adsorption, Chemical Engineering Journal and Membranes.

Membership of Professional Societies

2019 – Now

Member of the International Adsorption Society
The IAS is an international network gathering all researchers in the field of adsorption. IAS organizes the triannual Fundamentals of Adsorption conference.

2021 – 2022

Member of B-IWA
B-IWA is the Belgian committee of the International Water Association and serves as a network for researchers and professionals in the water industry.

2021 – 2022

Member of the European Membrane Society
The EMS is the European organization uniting all European researchers in the membrane field. EMS organizes the yearly EuroMembrane conference.

2016 – 2024

Member of ie-net and BrEA.
ie-net and BrEA are the national and Brussels' based alumni network for Belgian engineers.

2019 – Now

Member of the American Institute of Chemical Engineers
AIChE is the professional network of chemical engineers in the USA. Their annual conference is one of the most important conferences for Chemical Engineers.

Languages

Dutch	Native	
English	Fluent	4 years working in international research environment.
French	Good	Working with French-speaking colleagues.

	Spanish	Basic	Level 4, 'Waystage' at CVO.

Other

Summer 2010	Volunteer at Kids for Uganda Installing solar panels for safe lighting at a secondary school in Nkozi, Uganda.
Hobbies	I enjoy physical activities (swimming, jogging, karate, hiking), reading and have experience on stage as an actor in amateur theatre.

Scientific Publications

A detailed publication list, elaborating my contribution to each paper can be found in the application form. I have contributed **12 articles in peer-reviewed journals**. I have also written **1 book chapter.** I gave 1 invited talk. I contributed **14 oral talks** and **7 poster presentations** at international conferences. I was **awarded 1 poster award**.
https://scholar.google.com/citations?user=tsFBoEgAAAAJ&hl=nl

Peer Reviewed Articles

P12. Claessens, B. How Does Structured Adsorbent Channel Heterogeneity Influence the Efficiency of Adsorptive CO2 Capture? Chemical Engineering Science 2025, 302, 120917. https://doi.org/10.1016/j.ces.2024.120917.

P11. Gallo-Molina, J. P.; **Claessens, B.**; Buekenhoudt, A.; Verliefde, A.; Nopens, I. Capturing Unmodelled Phenomena: A Hybrid Approach for the Prediction of the Transport through Ceramic Membranes in Organic Solvent Nanofiltration. Journal of Membrane Science 2023, 686, 122024. https://doi.org/10.1016/j.memsci.2023.122024.

P10. Claessens, Benjamin, Ivaylo Hitsov, Arne Verliefde, and Ingmar Nopens. "Analyzing Transport in Ceramic Membranes for Organic Solvent Nanofiltration Using Maxwell-Stefan Theory." *Chemical Engineering Science* 264 (December 2022): 118133. https://doi.org/10.1016/j.ces.2022.118133. (IF = 4.8)

P9. Pérez-Botella, Eduardo, **Benjamin Claessens**, Susana Valencia, Fernando Rey, and Joeri F.M. Denayer. "Separation of Biobutanol from Synthetic Fermentation Mixtures Using Unidirectional Small Pore Pure Silica Zeolites." *Microporous and Mesoporous Materials* 346 (December 2022): 112295. https://doi.org/10.1016/j.micromeso.2022.112295. (IF = 5.8)

P8. Beckwée, Emile Jules, Gille Roland Wittevrongel, and **Benjamin Claessens**. "Comparing Column Dynamics in the Liquid and Vapor Phase Adsorption of Biobutanol on an Activated Carbon Monolith." *Adsorption*, June 1, 2022. https://doi.org/10.1007/s10450-022-00362-y. (IF = 2.9)

P7. Claessens, Benjamin, Gille R. Wittevrongel, Fernando Rey, Susana Valencia, Julien Cousin-Saint-Remi, Gino V. Baron, and Joeri F.M. Denayer. "Capturing Renewable Isobutanol from Model Vapor Mixtures Using an All-Silica Beta Zeolite." *Chemical Engineering Journal* 412, no. December 2020 (May 2021): 128658. https://doi.org/10.1016/j.cej.2021.128658. (IF = 13.2)

P6. Claessens, Benjamin, Melissa De Staercke, Evelyn Verstraete, Gino Baron, Julien Cousin-Saint-Remi, and Joeri F.M. Denayer. "Identifying Selective Adsorbents for the Recovery of Renewable Isobutanol." *ACS Sustainable Chemistry & Engineering*, 2020, acssuschemeng.0c02316. https://doi.org/10.1021/acssuschemeng.0c02316. (IF = 8.1)

P5. Claessens, Benjamin, Nicolas Dubois, Jasper Lefevere, Steven Mullens, Julien Cousin-Saint-Remi, and Joeri F. M. Denayer. "3D-Printed ZIF-8 Monoliths for Biobutanol Recovery." *Industrial & Engineering Chemistry Research* 59, no. 18 (May 6, 2020): 8813–24. https://doi.org/10.1021/acs.iecr.0c00453. (IF = 3.7)

P4. Lefevere, Jasper, **Benjamin Claessens**, Steven Mullens, Gino Baron, Julien Cousin-Saint-Remi, and Joeri F. M. Denayer. "3D-Printed Zeolitic Imidazolate Framework Structures for Adsorptive Separations." *ACS Applied Nano Materials* 2, no. 8 (August 23, 2019): 4991–99. https://doi.org/10.1021/acsanm.9b00934. (IF = 3.7). **Featured as Journal Cover Article.**

P3. Claessens, Benjamin, Ana Martin-Calvo, Juan José Gutiérrez-Sevillano, Nicolas Dubois, Joeri F.M. Denayer, and Julien Cousin-Saint-Remi. "Macroscopic and Microscopic View of Competitive and Cooperative Adsorption of Alcohol Mixtures on ZIF-8." *Langmuir* 35, no. 11 (March 19, 2019) : 3887–96. https ://doi.org/10.1021/acs.langmuir.8b03946. (IF = 4.3). **Featured as Journal Cover Article.**

P2. Van der Perre, Stijn, Pierre Gelin, **Benjamin Claessens**, Ana Martin-Calvo, Julien Cousin Saint Remi, Tim Duerinck, Gino V. Baron, et al. "Intensified Biobutanol Recovery Using Zeolites with Complementary Selectivity." *ChemSusChem*, 2017. https://doi.org/10.1002/cssc.201700667. (IF = 9.1)

P1. Martin-Calvo, Ana, Stijn Van der Perre, **Benjamin Claessens**, Sofia Calero, and Joeri F M Denayer. "Unravelling the Influence of Carbon Dioxide on the Adsorptive Recovery of Butanol from Fermentation Broth Using ITQ-29 and ZIF-8." *Physical Chemistry Chemical Physics* 20, no. 15 (2018): 9957–64. https://doi.org/10.1039/C8CP01034J. (IF = 3.9)

Book Chapter

B1. Claessens, Benjamin, Julien Cousin-Saint-Remi, and Joeri F. M. Denayer. "Efficient Downstream Processing of Renewable Alcohols Using Zeolite Adsorbents." In *Structure and Bonding*, edited by Fernando Rey and Susana Valencia, 1–35. Springer Berlin Heidelberg, 2020. https://doi.org/10.1007/430_2020_68.

Preprints

Pr. 1 Claessens, Benjamin. How Does Structured Adsorbent Channel Heterogeneity Influence the Efficiency of Adsorptive CO2 Capture? ChemRxiv October 10, 2023. https://doi.org/10.26434/chemrxiv-2023-0wdsk.

Invited Talks

IT. 1 Claessens, Benjamin Adsorption Worskhop Surface Measurement Systems 2025, Montpellier, France

Oral Presentations

O.14 Duplessis-Kergomard, N. Martin, S. Bourrelly, I. Beurroies, **B. Claessens**, Characterization of Shaped Flexible MOFs for Gas Separation, EuroMOF 2025, 21/09/2025 – 24/09/2025, Heraklion, Crete, Greece.

O.13 J. Duplessis-Kergomard, N. Martin, S. Bourrelly, I. Beurroies, **B. Claessens**, Formulating Flexible MOFs for Gas Separation, JCAT 55, 14-16 May 20205, Toulouse, France

O.12 Claessens B., Benchaabane M.A., Trierweiler Goncalves G., Paillaud J.-L., Chaplais G., Daou J., Daouli A., Bloch E., Bourrelly S Cation-Exchanged LTA Zeolites for the Separation of Propane and Propylene, 2025 GFZ annual meeting, Blériot-Plage, France

O.11 Claessens B., Benchaabane M.A., Trierweiler Goncalves G., Paillaud J.-L., Chaplais G., Daou J., Daouli A., Bloch E., Bourrelly S Cation-Exchanged LTA Zeolites for the Separation of Propane and Propylene, 2025 AFA annual meeting, Nantes, France 29/01/2025 - 30/01/2025

O.10 Claessens B., Benchaabane M.A., Trierweiler Goncalves G., Paillaud J.-L., Chaplais G., Daou J., Daouli A., Badawi M., Bloch E., Bourrelly S. Cation-exchanged LTA Zeolites for propane / propylene separations, 2023 AIChE Annual Meeting, Orlando, USA, 5/11/2023 – 10/11/2023

O.9 Claessens B., Benchaabane M.A., Trierweiler Goncalves G., Paillaud J.-L., Chaplais G., Daou J., Bloch E., Bourrelly S. Cation-exchanged LTA Zeolites for the separation of propane and propylene, 2023 French/German Adsorption Conference, Strasbourg, France, 24/10/2023 – 26/10/2023

O.8 Claessens B., Benchaabane M.A., Trierweiler Goncalves G., Paillaud J.-L., Chaplais G., Daou J., Bloch E., Bourrelly S. Cation-exchanged LTA Zeolites for the separation of propane and propylene, 2023 French/German Adsorption Conference, Strasbourg, France, 24/10/2023 – 26/10/2023

O.7 Beckwée, E. J., Wittevrongel, G.R., **Claessens B.** Comparing column dynamics for the vapor and liquid phase recovery of biobutanol on an activated carbon monolith, 12ième Journées de l'Association Française de l'Adsorption, Nancy, France, 26/01/2023 – 27/01/2023

O.6 Claessens B., Alleman T., Hitsov I., Verliefde A., Nopens, I. Analyzing viscous flow, diffusive transport and mixture non-idealities in OSN using Maxwell-Stefan theory, 2021, EuroMembrane Conference, Kopenhagen, Denmark, 28/11/2021 – 02/12/2021

O.5 Claessens B., Lefevere J., Mullens S., Baron G.V., Cousin-Saint-Remi J., Denayer J., 2019, '3D-printed structured adsorbents for biobutanol recovery', 2019, 111th Annual Meeting of the American Institute of Chemical Engineers, Orlando, Florida, United States, 10/11/19 – 15/11/19

O.4 Claessens B., Lefevere J., Mullens S., Baron G.V., Cousin-Saint-Remi J., Denayer J., 2019, 'Development of 3D-printed structured adsorbents for the recovery of renewable alcohols', 2019, ACS National Meeting & Exposition, Orlando, Florida, United States, 31/03/19 – 4/04/19

O.3 Claessens B., Van der Perre S., Cousin-Saint-Remi J., Baron G.V. & Denayer J. 2019, 'Combining shape-selective zeolites for the efficient recover and purification of biobutanol via adsorption', 24th National Symposium of Applied Biological Sciences, Ghent, Belgium, 4/02/2019

O.2 Claessens, B., Martin-Calvo, A., Dubois, N., Cousin-Saint-Remi, J. & Denayer, J. 2018, 'Competitive and Cooperative Adsorption of Ethanol on ZIF-8 in the Presence of 1-Butanol', 110th Annual Meeting of the American Institute of Chemical Engineers, Pittsburgh, United States, 28/10/2018 – 2/11/2018

O1. Claessens, B, Van Der Perre, S, Cousin-Saint-Remi, J, Baron, G & Denayer, J 2017, 'A Novel Approach Towards the Efficient Recovery and Purification of Biobutanol: Vapor Phase Adsorption by Combining Shape-selective Zeolites' 13th International Conference on Renewable Resources and Biorefineries, Wroclaw, Poland, 7/06/17 - 9/06/17

Poster Presentations

Po 7. J. Duplessis-Kergomard, N. Martin, S. Bourrelly, I. Beurroies, **B. Claessens**. Formulating Flexible MOFs for Gas Separation, 2025 GFZ Annual Meeting, Blériot-Plage, France

Po 6. M. A. Benchaabane, **B. Claessens**, G. Trierweiler Gonçalves, J.-L. Paillaud, G. Chaplais, J. Daou, E. Bloch, S. Bourrelly,. CPM-9, West Pam Beach, USA 26/05/2024 – 29/05/2024

Po 5. M. A. Benchaabane, **B. Claessens**, G. Trierweiler Gonçalves, J.-L. Paillaud, G. Chaplais, J. Daou, E. Bloch, S. Bourrelly,. AFA, Caen, France 06/02/2024 – 08/02/2024

Po 4. M. A. Benchaabane, **B. Claessens**, G. Trierweiler Gonçalves, J.-L. Paillaud, G. Chaplais, J. Daou, E. Bloch, S. Bourrelly,. 38ième réunion annuel du GFZ, Obernai, France, 27/03/2023 – 30/03/2023

Po 3. M. A. Benchaabane, **B. Claessens**, G. Trierweiler Gonçalves, J.-L. Paillaud, G. Chaplais, J. Daou, E. Bloch, S. Bourrelly. Cation-exchanged LTA zeolites for propane / propylene seapration. 12ième Journées de l'Association Française de l'Adsorption, Nancy, France, 26/01/2023 – 27/01/2023

Po 2. Claessens, B., Hitsov, I., Verliefde, A., Nopens, I. 2022, 'Analyzing the effect of viscous flow, diffusive transport and mixture non-idealities in organic solvent nanofiltration with ceramic membranes using Maxwell-Stefan theory' 8th International Conference on Organic Solvent Nanofiltration, Rennes, France, 14/03/2022 – 16/03/2022

Po 1. Claessens, B., Van Der Perre, S, Cousin-Saint-Remi, J, Baron, G & Denayer, J. 2017, 'Vapor phase adsorption by combining shape-selective zeolites: a novel approach towards the efficient recovery and purification of biobutanol' 40th Annual Meeting of the British Zeolite Association, Preston, UK, 10/04/17 – 12/04/17. **Awarded best poster award.**