

## Publications et communications de Nathalie Job

### Légende

**Indices bibliométriques liés à la revue** (pour celles dont l'ISSN a été indiqué par l'auteur)



- **EigenF = EigenFactor** (voir : <http://www.eigenfactor.org/>).
- **Article Infl. = Article Influence** : EigenFactor divisé par le nombre d'articles publiés dans cette revue.  
→ En savoir plus ? <http://orbi.uliege.be/rpt#rev>

**Indices bibliométriques liés à l'article**

- **ORBi viewed** = nombre total de visualisations de la référence sur ORBi (dont X en interne à l'ULiège).
- **ORBi downloaded** = nombre total de téléchargements du texte intégral via ORBi, y compris tirés à part.
- **SCOPUS®** = nombre de citations du document repérées par SCOPUS®.  
→ En savoir plus ? <http://orbi.uliege.be/rpt#art>

(Avertissement : en fonction des disciplines, certains indicateurs bibliométriques peuvent ne pas se révéler pertinents)

 , etc: texte intégral du document disponible en Open Access






 , etc: texte intégral du document disponible en accès restreint

### 1. Ouvrages publiés, en tant qu'auteur, co-auteur ou éditeur

### 2. Chapitres d'ouvrages, en tant qu'auteur ou co-auteur

### 3. Articles acceptés dans des journaux à comité de lecture (peer reviewed)

- 1) Pàez Martinez, C., Exantus, C., Dallel, D., Alié, C., Calberg, C., Liquet, D., Eskenazi, D., Deschamps, F., **Job, N.**, & Heinrichs, B. (2019, September 26). Water-Based Paintable LiCoO<sub>2</sub> Microelectrodes: A HighRate Li-Ion Battery Free of Conductive and Binder Additives. *Advanced Materials Technologies*, 1900499.  
 <http://hdl.handle.net/2268/241744>  
ORBi viewed: **103** (27 ULiège) ; downloaded: **187** (18 ULiège) — SCOPUS®: **1**
- 2) Léonard, A., & **Job, N.** (2019). Safe and green Li-ion batteries based on LiFePO<sub>4</sub> and Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> sprayed as aqueous slurries with xanthan gum as a common binder. *Materials Today Energy*, 12, 168-178.  
 <http://hdl.handle.net/2268/232500>  
ORBi viewed: **71** (9 ULiège) ; downloaded: **347** (13 ULiège) — SCOPUS®: **12**
- 3) Piedboeuf, M.-L., Léonard, A., Reichenauer, G., Balzer, C., & **Job, N.** (2019). How do the micropores of carbon xerogels influence their electrochemical behavior as anodes for lithium-ion batteries? *Microporous and Mesoporous Materials*, 275, 278-287.  
 <http://hdl.handle.net/2268/228695>  
ORBi viewed: **43** (3 ULiège) ; downloaded: **81** (4 ULiège) — SCOPUS®: **9**  
EigenF 2019: ?; latest: **0.027** — Article Infl. 2019: ?; latest: **0.7**
- 4) Alié, C., Calberg, C., Pàez Martinez, C., Liquet, D., Eskenazi, D., Heinrichs, B., & **Job, N.** (2018). Electrochemical performances of Li<sub>4</sub>Mn<sub>5</sub>O<sub>12</sub> films prepared by spray-coated sol-gel reaction. *Journal of Power Sources*, 403, 173-183.  
 <http://hdl.handle.net/2268/228573>  
ORBi viewed: **65** (18 ULiège) ; downloaded: **39** (5 ULiège) — SCOPUS®: **10**  
EigenF 2018: ?; latest: **0.133** — Article Infl. 2018: ?; latest: **1.2**
- 5) **Job, N.** (2016). Les gels de carbone: de la maîtrise de la texture à l'amélioration de procédés. *Chimie Nouvelle*, 121, 1-16.  
 <http://hdl.handle.net/2268/199539>  
ORBi viewed: **19** (2 ULiège) ; downloaded: **78** (1 ULiège) — SCOPUS®: -
- 6) **Job, N.**, Lambert, S., Zubiaur, A., Cao, C., & Pirard, J.-P. (2015). Design of Pt/carbon xerogel catalysts for PEM fuel cells. *Catalysts*, 5, 40-57.  
 <http://hdl.handle.net/2268/178767>  
ORBi viewed: **44** (8 ULiège) ; downloaded: **139** (2 ULiège) — SCOPUS®: **10**  
EigenF 2015: **0.001**; latest: **0.001** — Article Infl. 2015: **0.8**; latest: **0.8**





- 7) Gommaes, C., **Job, N.**, Pirard, J.-P., Blacher, S., & Goderis, B. (2008). Critical opalescence points to thermodynamic instability: relevance to small-angle X-ray scattering of resorcinol-formaldehyde gel formation at low pH. *Journal of Applied Crystallography*, 41(4), 663-668.  
 <http://hdl.handle.net/2268/1184>  
ORBi viewed: **90** (17 ULiège) ; downloaded: **204** (7 ULiège) — SCOPUS®: **13**  
EigenF 2008: **0.046**; latest: **0.024** — Article Infl. 2008: **2.2**; latest: **1.7**
- 8) Gommaes, C., **Job, N.**, Blacher, S., & Pirard, J.-P. (2007). Compressing some sol-gel materials reduces their stiffness: a textural analysis. *Studies in Surface Science and Catalysis*, 160, 193-200.  
 <http://hdl.handle.net/2268/5944>  
ORBi viewed: **30** (5 ULiège) ; downloaded: **134** (4 ULiège) — SCOPUS®: **2**
- 9) **Job, N.**, Sabatier, F., Pirard, J.-P., Crine, M., & Léonard, A. (2006). Towards the production of carbon xerogel monoliths by optimizing convective drying conditions. *Carbon*, 44(12), 2534-2542.  
 <http://hdl.handle.net/2268/7952>  
ORBi viewed: **119** (10 ULiège) ; downloaded: **421** (8 ULiège) — SCOPUS®: **43**  
EigenF 2006: **0.056**; latest: **0.073** — Article Infl. 2006: **1.4**; latest: **1.5**
- 10) **Job, N.**, Panariello, F., Marien, J., Crine, M., Pirard, J.-P., & Léonard, A. (2006). Synthesis optimization of organic xerogels produced from convective air-drying of resorcinol-formaldehyde gels. *Journal of Non-Crystalline Solids*, 352(1), 24-34.  
 <http://hdl.handle.net/2268/7955>  
ORBi viewed: **65** (2 ULiège) ; downloaded: **290** (2 ULiège) — SCOPUS®: **95**  
EigenF 2006: **0.048**; latest: **0.019** — Article Infl. 2006: **0.6**; latest: **0.4**
- 11) Léonard, A., **Job, N.**, Blacher, S., Pirard, J.-P., Crine, M., & Jomaa, W. (2005). Suitability of convective air drying for the production of porous resorcinol-formaldehyde and carbon xerogels. *Carbon*, 43(8), 1808-1811.  
 <http://hdl.handle.net/2268/7662>  
ORBi viewed: **71** (7 ULiège) ; downloaded: **489** (5 ULiège) — SCOPUS®: **31**  
EigenF 2005: **0.049**; latest: **0.073** — Article Infl. 2005: **1.4**; latest: **1.5**

## 4. Articles acceptés dans des journaux sans comité de lecture (non peer reviewed)

---






## 5. Articles acceptés dans des actes de conférences

---

- 1) Léonard, A., Pirard, J.-P., & **Job, N.** (2012). Synthesis and characterization of porous carbon xerogels and ordered mesoporous carbons for anode materials in Li-based batteries. In E., Fagadar-Cosma (Ed.), *Insights into novel solid materials, their recyclability and integration into Li polymer batteries for EVs. Future research directions in this field.:Book of abstracts*. Timisoara, Romania: Tempus.  
 <http://hdl.handle.net/2268/137679>  
ORBi viewed: **31** (4 ULiège) ; downloaded: **83** (3 ULiège) — SCOPUS®: -
- 2) Melon, R., Renzoni, R., Léonard, A., **Job, N.**, & Léonard, A. (2012). Life cycle assessment of carbon xerogels. In E., Fagadar-Cosma (Ed.), *Book of abstracts - Advanced Workshop - Insights into novel solid materials, their recyclability and integration into Li polymer batteries for EVs* (pp. 51-52). Timisoara, Roumanie: editura Tempus.  
 <http://hdl.handle.net/2268/128156>  
ORBi viewed: **78** (10 ULiège) ; downloaded: **86** (3 ULiège) — SCOPUS®: -
- 3) Léonard, A., Piedboeuf, M.-L., Khomenko, V., Senyk, I., Pirard, J.-P., & **Job, N.** (2012). Resorcinol-formaldehyde carbon xerogels as lithium-ion battery anode materials: influence of porosity on capacity and cycling behaviour. In E., Fagadar-Cosma (Ed.), *Insights into novel solid materials, their recyclability and integration into Li polymer batteries for EVs. Future research directions in this field.:Book of abstracts*. Timisoara, Romania: Tempus.  
 <http://hdl.handle.net/2268/137685>  
ORBi viewed: **41** (17 ULiège) ; downloaded: **126** (6 ULiège) — SCOPUS®: -
- 4) Léonard, A., Piedboeuf, M.-L., Khomenko, V., Senyk, I., Pirard, J.-P., & **Job, N.** (2012). Resorcinol-formaldehyde carbon xerogels as lithium-ion battery anode materials: influence of porosity on capacity and cycling behaviour. *Proceedings of the International Carbon Conference 2012*.  
 <http://hdl.handle.net/2268/123265>  
ORBi viewed: **183** (18 ULiège) ; downloaded: **83** (2 ULiège) — SCOPUS®: -






## 6. Présentations orales dans des conférences avec comité scientifique de sélection












---

- 1) Gerbinet, S., Romano, A.-P., Caldarella, G., **Job, N.**, Gros Lambert, S., & Léonard, A. (2019, September). *LCA of a fuel cell using gold for the bipolar plates*. Paper presented at 9th LCM Conference Series, Poznan, Poland.  
 <http://hdl.handle.net/2268/241746>  
ORBi viewed: **61** (1 ULiège) ; downloaded: **18** (1 ULiège)
- 2) Exantus, C., Pàez Martinez, C., Liquet, D., & **Job, N.** (2018, October). *Li7La3Zr2O12/LiCoO2 - cathode for all-solid-state batteries*. Paper presented at Geproc Day 2018, Materials and processes for energy, Belgium.  
 <http://hdl.handle.net/2268/238499>  
ORBi viewed: **32** (4 ULiège) ; downloaded: **122** (4 ULiège)
- 3) Piedboeuf, M.-L., Léonard, A., & **Job, N.** (2017, October 26). *CARBON XEROGELS AS MODEL MATERIALS TO STUDY THE BEHAVIOR OF HARD CARBONS AS ANODES FOR LITHIUM-ION BATTERIES*. Paper presented at CESEP 2017 - 7th international conference on carbon for energy storage and environment protection, Lyon, France.  
 <http://hdl.handle.net/2268/208605>  
ORBi viewed: **60** (14 ULiège) ; downloaded: **13** (3 ULiège)
- 4) Zubiaur, A., Chatenet, M., Maillard, F., Olu, P.-Y., & **Job, N.** (2014, July). *Synthesis of Pt/Carbon Xerogel Electrocatalysts for Proton Exchange Membrane Fuel Cells (PEMFC): Effect of the Reduction Procedure*. Paper presented at XII international conference on Nanostructured Materials (NANO 2014), Moscou, Russie.  
 <http://hdl.handle.net/2268/169793>  
ORBi viewed: **73** (5 ULiège) ; downloaded: **85** — SCOPUS®: -
- 5) Léonard, A., **Job, N.**, & Pirard, J.-P. (2012). *Nanostructured carbon materials for energy storage applications: control of porosity of resorcinol-formaldehyde xerogels*. Paper presented at Annual World Conference on Carbon 2012, Cracovie, Pologne.  
 <http://hdl.handle.net/2268/123264>  
ORBi viewed: **96** (4 ULiège) ; downloaded: **58** (3 ULiège) — SCOPUS®: -

## 7. Posters pour un mandat doctoral (aspirant, clinicien-chercheur doctorant) ou postdoctoral (chargé de recherches)





---

- 1) Carabetta, J., & **Job, N.** (2019, October). *Doped Carbon Xerogels for Lithium/Sodium-ion Battery Anodes*. Poster session presented at Publishing blogs Publishing blogs Home EES Blog RSS RSS 2.0 EES Blog « International Conference on Renewable Energy (ICREN 2019) 11th International Conference on Hybrid and Organic Photovoltaics (HOPV19) » 8th International Conference on Carbon for Energy Storage and Environmental Protection (CESEP'19).  
 <http://hdl.handle.net/2268/260881>  
ORBi viewed: **27** (2 ULiège) ; downloaded: **3** (1 ULiège)
- 2) Grzelak, A., & **Job, N.** (2019). *Bimetallic catalysts supported on carbon xerogels for PEMFC cathode*. Poster session presented at EuropaCAT, Aachen, Germany.  
 <http://hdl.handle.net/2268/237897>  
ORBi viewed: **57** (3 ULiège) ; downloaded: **13** (2 ULiège)
- 3) Zubiaur, A., Asset, T., Deschamps, F., Dubau, L., Maillard, F., & **Job, N.** (2018, July). *Synthesis, characterization, and durability study of PtCo hollow nanoparticles deposited on carbon xerogel as electrocatalysts for Proton Exchange Membrane Fuel Cells*. Poster session presented at 12th International Symposium on the "Scientific Bases for the Preparation of Heterogeneous Catalysts" (PREPA12), Louvain-la-Neuve, Belgique.  
 <http://hdl.handle.net/2268/221528>  
ORBi viewed: **187** (4 ULiège) ; downloaded: **31**
- 4) Exantus, C., Alié, C., Liquet, D., & **Job, N.** (2017, September). *Kinetic Optimisation of Zinc Oxide Nanowire Growth For Piezoelectric Nanogenerator Applications Through A SolGel Process*. Poster session presented at 19th International Sol-Gel Conference, Liège, Belgique.  
 <http://hdl.handle.net/2268/238498>  
ORBi viewed: **30** (2 ULiège) ; downloaded: **9**
- 5) Zubiaur, A., Asset, T., Olu, P.-Y., Dubau, L., Maillard, F., & **Job, N.** (2017, September). *Synthesis, characterization, and durability study of Pt-Co hollow nanoparticles deposited on carbon xerogel electrocatalysts for Proton Exchange Membrane Fuel Cells (PEMFC)*. Poster session presented at 19th International Sol-Gel Conference, Liège, Belgique.  
 <http://hdl.handle.net/2268/209959>  
ORBi viewed: **140** (3 ULiège) ; downloaded: **60** (1 ULiège)

- 6)  Léonard, G., Pfennig, A., Toye, D., Gommès, C., Lambert, S., **Job, N.**, Léonard, A., Manfredini, T., & Dumont, M.-N. (2016, September 05). *Integrated Project with Focus on Energy Transition and Circular Economy for Developing Engineering Students' Soft Skills*. Poster session presented at 8th Conference on Engineering Education for Sustainable Development, Bruges, Belgium.  
<http://hdl.handle.net/2268/204452>  
ORBi viewed: **87** (15 ULiège) ; downloaded: **40** (4 ULiège)
- 7)  Asset, T., Zubiaur, A., Chattot, R., Dubau, L., **Job, N.**, & Maillard, F. (2015, September 13). *Pt-Ni Hollow Nanoparticles for Oxygen Reduction Reaction : Controlling the Nanoparticle Morphology*. Poster session presented at EFCD 2015, La Grande Motte, France.  
<http://hdl.handle.net/2268/186738>  
ORBi viewed: **59** (4 ULiège) ; downloaded: **55** (2 ULiège) — SCOPUS®: -
- 8)  Zubiaur, A., Asset, T., Olu, P.-Y., Dubau, L., Maillard, F., & **Job, N.** (2015, September). *Synthesis and characterization of Pt-Co/carbon xerogel electrocatalysts for Proton Exchange Membrane Fuel Cells (PEMFC)*. Poster session presented at Electrolysis & Fuel Cell Discussions : Challenges Towards Zero Platinum for Oxygen Reduction (EFCD 2015), La Grande Motte - Montpellier, France.  
<http://hdl.handle.net/2268/186727>  
ORBi viewed: **42** (6 ULiège) ; downloaded: **158** (1 ULiège) — SCOPUS®: -
- 9)  Zubiaur, A., Chatenet, M., Maillard, F., Lambert, S., Pirard, J.-P., & **Job, N.** (2014, July). *Synthesis of Pt/Carbon Xerogel Electrocatalysts for PEM Fuel Cells by the Multiple SEA Method*. Poster session presented at 11th International Symposium on the "Scientific Bases for the Preparation of Heterogeneous Catalysts", Louvain-la-Neuve, Belgique.  
<http://hdl.handle.net/2268/171012>  
ORBi viewed: **42** (8 ULiège) ; downloaded: **64** (2 ULiège) — SCOPUS®: -
- 10)  Olu, P.-Y., Chatenet, M., & **Job, N.** (2014). *Efficient method for a controlled deposition of Pd nanoparticles on a glassy carbon electrode*. Poster session presented at 11th International Symposium on Scientific Bases for the Preparation of Heterogeneous Catalysts, Louvain-la-Neuve.  
<http://hdl.handle.net/2268/169790>  
ORBi viewed: **21** (2 ULiège) ; downloaded: **117** (1 ULiège) — SCOPUS®: -
- 11)  Zubiaur, A., Chatenet, M., Maillard, F., Lambert, S., Pirard, J.-P., & **Job, N.** (2013, November 15). *Synthesis of Pt/Carbon Xerogel Electrocatalysts for PEM Fuel Cells by the Multiple SEA Method*. Poster session presented at Journée scientifique GEPROC 2013, Liège, Belgique.  
<http://hdl.handle.net/2268/160609>  
ORBi viewed: **62** (6 ULiège) ; downloaded: **75** (3 ULiège) — SCOPUS®: -
- 12)  Zubiaur, A., Chatenet, M., Maillard, F., Lambert, S., Pirard, J.-P., & **Job, N.** (2013, April). *The multiple SEA method: a method to synthesize Pt/carbon xerogel catalysts for Proton Exchange Membrane Fuel Cells (PEMFC)*. Poster session presented at Fundamentals and Developments of Fuel Cells Conference 2013 (FDCC2013), Karlsruhe, Allemagne.  
<http://hdl.handle.net/2268/164580>  
ORBi viewed: **21** (2 ULiège) ; downloaded: **25** — SCOPUS®: -
- 13)  Léonard, A., Pirard, J.-P., & **Job, N.** (2012, October). *Contrôle de la porosité de xérogels de carbone poreux via l'ajout de tensioactifs non-ioniques*. Poster session presented at Journées Scientifiques du Groupe Français d'Étude des Carbones 2012, Houffalize, Belgique.  
<http://hdl.handle.net/2268/137693>  
ORBi viewed: **46** (8 ULiège) ; downloaded: **30** (2 ULiège) — SCOPUS®: -
- 14)  Melon, R., Renzoni, R., Léonard, A., **Job, N.**, & Léonard, A. (2011, November 03). *Life cycle assessment of carbon xerogels*. Poster session presented at LCA conference: L'analyse du cycle de vie au service de la pensée stratégique, Lille, France.  
<http://hdl.handle.net/2268/105610>  
ORBi viewed: **36** (7 ULiège) ; downloaded: **48** (2 ULiège) — SCOPUS®: -
- 15)  Léonard, A., Pirard, J.-P., & **Job, N.** (2011, September 26). *nanostructured carbon materials by surfactant-templating of resorcinol-formaldehyde gels: towards a control of porosity for energy storage applications*. Poster session presented at 4th Conference on Carbon for Energy Storage and Environment Protection (CESEP'11), Vichy, France.  
<http://hdl.handle.net/2268/92661>  
ORBi viewed: **19** (5 ULiège) ; downloaded: **18** — SCOPUS®: -
- 16)  Léonard, A., Pirard, J.-P., & **Job, N.** (2011, September 12). *Nanostructured carbon materials by surfactant-templating of resorcinol-formaldehyde gels: towards a control of porosity*. Poster session presented at International Symposium on Advanced Complex Inorganic Nanomaterials (ACIN 2011), Namur, Belgique.  
<http://hdl.handle.net/2268/92736>  
ORBi viewed: **23** (4 ULiège) ; downloaded: **102** — SCOPUS®: -

## 8. Brevets

---

- 1) Godaux, D., Lorge, P., Ghysels, B., **Job, N.**, Franck, F., Caldarella, G., Cardol, P., & Remacle, C. (2020). *Polypeptide monomérique présentant une activité hydrogénase, en particulier polypeptide monomérique recombinant présentant une activité hydrogénase*. Belgique: Office de la propriété intellectuelle SPF Economie.  
 <http://hdl.handle.net/2268/258015>  
ORBi viewed: **50** (10 ULiège) ; downloaded: **23** (9 ULiège)
- 2) Lorge, P., Remacle, C., Gerin, S., **Job, N.**, Franck, F., Caldarella, G., Ghysels, B., Godaux, D., & Cardol, P. (2017). *Dispositif pour la production d'hydrogène gazeux*. Belgique: NV GEVERS LEGAL SA.  
 <http://hdl.handle.net/2268/226884>  
ORBi viewed: **112** (18 ULiège) ; downloaded: **44** (12 ULiège)
- 3) Lorge, P., Remacle, C., Gerin, S., **Job, N.**, Franck, F., Caldarella, G., Ghysels, B., Godaux, D., & Cardol, P. (2017). *DISPOSITIF PHOTO-CATALYTIQUE POUR LA PRODUCTION D'HYDROGENE GAZEUX*. Belgique: NV GEVERS LEGAL SA.  
 <http://hdl.handle.net/2268/226885>  
ORBi viewed: **106** (11 ULiège) ; downloaded: **34** (6 ULiège)
- 4) Léonard, A., Piedboeuf, M.-L., & **Job, N.** (2017). *Process to prepare an electrode for an electrochemical device*. Switzerland: World Intellectual Property Organization.  
 <http://hdl.handle.net/2268/228257>  
ORBi viewed: **23** (3 ULiège) ; downloaded: **29** (1 ULiège)