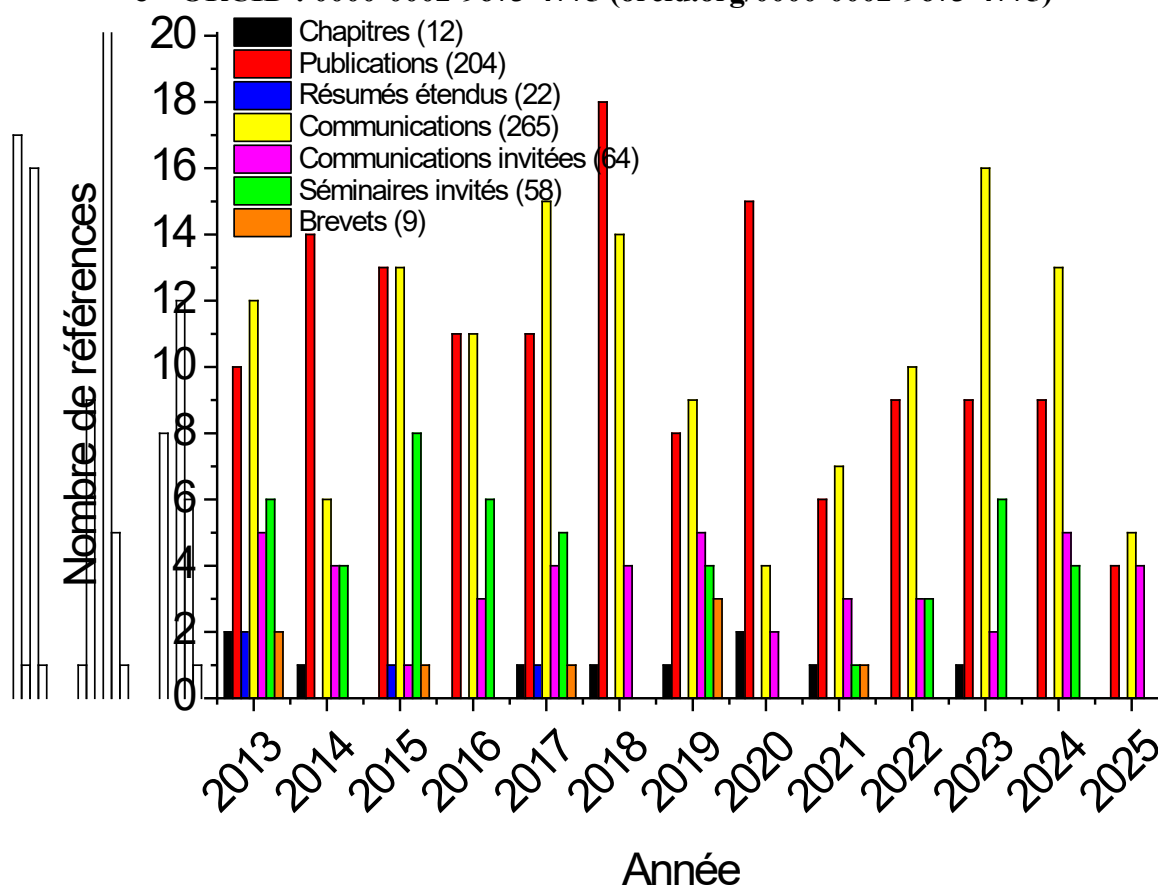


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- « h-factor » = 60
- Total citations : 11896
- ORCID : 0000-0002-9673-4775 (orcid.org/0000-0002-9673-4775)



- 12 book chapters
- 204 publications in peer-reviewed journals
- 9 patents
- 22 extended abstracts (16 reviewed on full text and 6 on abstract)
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- 11 communications in national conference with acts (3 invited)
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- CI-143** **M. Chatenet**, P. Y. Olu, A. Bonnefont, N. Job, E. R. Savinova, Experimental and Modelling Insights into the Borohydride Electrooxidation Reaction Mechanism at Platinum Electrodes, **oral com.**, *228th ECS Meeting of the Electrochemical Society*, **Phoenix** (2015) abstract # 1237.
- CI-144** A. Zadick, **M. Chatenet**, L. Dubau, A. Serov, P. Atanassov, U. Demirci, Instability of Commercial Pt/C and Pd/C Electrocatalysts in Alkaline Media, **oral com.**, *228th ECS Meeting of the Electrochemical Society*, **Phoenix** (2015) abstract #1382.
- CI-145** D. C. de Oliveira, W. J. Paschoalino, **M. Chatenet**, E. A. Ticianelli, F. H. B. de Lima, Borohydride Electro-Oxidation on Ni-Based Electrocatalysts: Investigation of Electrocatalytic Activity and Hydrolysis Process, **oral com.**, *228th ECS Meeting of the Electrochemical Society*, **Phoenix** (2015) abstract #1234.

- CI-146** D. C. de Oliveira, F. H. B. de Lima, **M. Chatenet**, Electro-oxidation of hydrazine on Ni and Co-based electrocatalysts: An on-line DEMS study, **oral com.**, *XX SIBEE, Uberlandia* (2015).
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- CI-154** J. Durst, L. Castanheira, L. Dubau, F. Maillard, **M. Chatenet**, Durability issues in proton-exchange membrane fuel cells: insights from systems operated on the field and model accelerated stress-tests, *International symposium on Electrocatalysis: A key of sustainable society (ECAT2016)* **oral com.** **invited**, **Kanagawa, Japan** (2016) abstract # I1-1.
- CI-155** P.-Y. Olu, N. Job, **M. Chatenet**, Uncovering borohydride oxidation reaction (BOR) mechanism using various platinum model electrodes, *International symposium on Electrocatalysis: A key of sustainable society (ECAT2016)*, **oral com.**, **Kanagawa, Japan** (2016) abstract # 01-23.
- CI-156** F. Labbé, Y. Ahmad, K. Guérin, B. Molina Concha, **M. Chatenet**, R. Metkemeijer, S. Berthon-Fabry, Carbon aerogels coated with tin dioxide as catalyst supports for proton exchange membrane fuel cells, *International Seminar on Aerogels (ISA3 2016)*, **poster**, **Sophia Antipolis** (2016).
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- CI-159** **M. Chatenet**, Degradation of carbon-supported metal nanoparticle electrocatalysts in conditions mimicking liquid-fed alkaline fuel cell environment, *Beijing Forum 2016 on Electrochemical Frontier*, **oral com. invited**, **Wuhan, China** (2016)
- CI-160** Y. Ahmad, **K. Guérin**, L. Dubau, **M. Chatenet**, S. Berthon-Fabry, Proton Exchange Membrane Fuel Cell With Enhanced Durability Using Fluorinated Carbon As Electrocatalyst, 11th European Space Power Conference, **oral com.**, **Thessaloniki** (2016).
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- CI-162** A. Zadick, C. Lafforgue, L. Dubau, **M. Chatenet**, Degradation mechanisms of metal-based carbon-supported electrocatalysts for alkaline fuel cells: similarities and differences compared to acidic fuel cells, *Fundamentals & Development of Fuel Cells (FDFC 2017)*, **oral com. invited**, **Stuttgart, Germany** (2017) TUE_2_4
- CI-163** V. Caldeira, J. Thiel, F. Lacoste, **M. Chatenet**, L. Dubau, Internal Morphological Evolution of Negative Electrodes Materials in Secondary Alkaline Zn/Ni Batteries, *231st Meeting of the Electrochemical Society*, **oral com.**, **New Orleans** (2017) abstract A01-0051
- CI-164** **B. Molina Concha**, Y. Ahmad, N. Batisse, M. Dubois, K. Guérin, S. Berthon-Fabry, F. Maillard, L. Dubau, **M. Chatenet**, Fluorination surface treatment to mitigate carbon corrosion and improve the durability of Pt electrocatalysts in Proton-exchange Membrane Fuel Cells, *20th Topical ISE Meeting*, **oral com.**, **Buenos Aires** (2017) abstract Tue s2-15:40
- CI-165** C. Lafforgue, A. Zadick, F. R. Nikkuni, L. Dubau, F. Maillard, **M. Chatenet**, Comparison of the aging mechanisms of carbon-supported electrocatalysts in polymer versus liquid aqueous electrolytes: an identical-location transmission electron microscopy (IL-TEM) study, *21st International Conference on Solid State Ionics*, **oral com. invited**, **Padova, Italy** (2017) abstract I-14
- CI-166** **F. Labbé**, Y. Ahmad, K. Guerin, B. Molina Concha, **M. Chatenet**, R. Metkemeijer, S. Berthon-Fabry, Carbonaceous materials coated with tin dioxide nanoparticles as catalyst supports for proton exchange membrane fuel cells, *5th International Conference on Multifunctional, Hybrid and Nanomaterials*, **oral com.**, **Lisbon, Portugal** (2017) abstract SYM4.44
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- CI-169** P.-Y. Olu, G. Braesch, A. Bonnefont, E. R. Savinova, **M. Chatenet**, Kinetic Modeling of the Borohydride Oxidation Reaction (BOR) at Gold and Platinum Electrodes, *232nd meeting of the Electrochemical Society*, **oral com. invited (keynote)**, **National Harbor, USA** (2017) abstract 1606
- CI-170** R. M. E. Hjelm, Y. Garsany, R. W. Atkinson III, R. O. Stroman, K. Swider-Lyons, C. Lafforgue, **M. Chatenet**, Sodium borohydride oxidation on Pt and/or Pd-based electrodes in hydrogen peroxide direct borohydride fuel cells, *232nd ECS of the Electrochemical Society*, **oral com.**, **National Harbor, USA** (2017) abstract 1614
- CI-171** **M. Chatenet**, P.-Y. Olu, G. Braesch, A. Bonnefont, E. R. Savinova, NaBH₄ concentration effects on the borohydride oxidation reaction (BOR) efficiency and mechanism at gold and platinum electrodes, *68th Annual Meeting of the International Society of Electrochemistry ISE*, **oral com.**, **Providence, USA** (2017) abstract MO-S06 10:10
- CI-172** F. Labbé, Y. Ahmad, B. Molina Concha, K. Guerin, **M. Chatenet**, R. Metkemeijer, S. Berthon-Fabry, Tin Dioxide Coated Carbon Materials for Extended Lifetime of Cathodic Electrocatalysts for PEMFC, *68th Annual Meeting of the International Society of Electrochemistry ISE*, **oral com.**, **Providence, USA** (2017) abstract MO-S06 15:20
- CI-173** R. Blanchard, A. Mantoux, **M. Chatenet**, Homogeneous catalysis and redox shuttle for non-aqueous Li-O₂ cathode, *68th Annual Meeting of the International Society of Electrochemistry ISE*, **oral com.**, **Providence, USA** (2017) abstract TU-S12 17:20
- CI-174** V. Caldeira, J. Thiel, F. Lacoste, **M. Chatenet**, L. Dubau, Improving Negative Electrodes in Secondary Alkaline Zn/Ni Batteries, *68th Annual Meeting of the International Society of Electrochemistry ISE*, **oral com.**, **Providence, USA** (2017) abstract FR-S12 09:30
- CI-175** **M. Chatenet**, C. Lafforgue, L. Dubau, F. Maillard, Influence of the nature of the alkaline electrolyte on the durability of platinum-based carbon-supported electrocatalysts for direct liquid alkaline fuel cells, *68th Annual Meeting of the International Society of Electrochemistry ISE*, **poster**, **Providence, USA** (2017) abstract S06-002
- CI-176** R. Chattot, T. Asset, F. Micoud, C. Nayoze-Coynel, L. Dubau, F. Maillard, **M. Chatenet**, Platinum-based PEMFC electrodes – can electrodes with low Pt loading be durable?, *233rd meeting of the Electrochemical Society*, **oral com. invited (keynote - tutorial)**, **Seattle, USA** (2018) abstract I01-1587
- CI-177** C. Lafforgue, **M. Chatenet**, R. W. Atkinson III, K. Swider-Lyons, H. Miller, D. R. Dekel, Investigation of Pd and Pd-CeO₂ Based Carbon-Supported Electrocatalysts for the Electrooxidation of Borohydride in Direct Borohydride Fuel Cell, *233rd meeting of the Electrochemical Society*, **oral com.**, **Seattle, USA** (2018) abstract I04-1727
- CI-178** T. Asset, Y. Ahmad, F. Labbé, N. Batisse, M. Dubois, K. Guerin, S. Berthon-Fabry, R. Metkemeijer, L. Dubau, F. Maillard, **M. Chatenet**, Electrochemical Stability of Pt Nanoparticles Supported on a Wide Library of Carbon Supports, Either Used Bare, or Modified By Fluorination or Tin Oxide Deposits, *233rd meeting of the Electrochemical Society*, **oral com.**, **Seattle, USA** (2018) abstract I04-1733
- CI-179** C. Lafforgue, L. Dubau, F. Maillard, D. R. Dekel, **M. Chatenet**, Durability of Platinum-Based Carbon-Supported Electrocatalysts in Liquid Versus Solid Polymer Alkaline Electrolytes, *233rd meeting of the Electrochemical Society*, **oral com.**, **Seattle, USA** (2018) abstract I04-1778
- CI-180** C. Lafforgue, L. Dubau, F. Maillard, **M. Chatenet**, Instability and Degradation Mechanism of Platinum-Group Metal (PGM)-Based Carbon Supported Electrocatalysts in Alkaline

Medium, 233rd meeting of the Electrochemical Society, poster, Seattle, USA (2018) abstract Z01-2539

- CI-181** D.A. Finkelstein, P. Bonin, **M. Chatenet**, Dichromate Flow Batteries - A Breakthrough Grid-Level Energy Storage Technology, *IRES*, poster, Dusseldorf, Allemagne (2018) abstract 266
- CI-182** J. André, N. Caqué, E. Rossinot, E. Claude, **M. Chatenet**, L. Dubau, F. Maillard, L. Flandin, C. Bas, G. De Moor, O. Lottin, G. Maranzana, Axane commitment for a sustainable, reliable, and field proven power source through partnership with laboratories and design efforts, *IHTEC*, oral com., Alanya, Turquie (2018) abstract #135
- CI-183** V. Caldeira, J. Thiel, F. R. Lacoste, L. Dubau, **M. Chatenet**, Revealing a self-healing mechanism occurring in zinc-based negative electrodes for alkaline batteries, *Second International Zn-Air Battery Workshop, IZABW2*, oral com., Trondheim, Norway (2018) abstract # Wednesday April 11th, 14:00
- CI-184** **M. Chatenet**, When heterogeneous catalysis drives innovation in fuel cell electrocatalysis, *PREPA12*, oral com. invited (plenary), Louvain la Neuve, Belgique (2018) abstract IL01
- CI-185** C. Niether S. Faure, A. Bordet, J. Deseure, J. Carrey, B. Chaudret, A. Rouet, **M. Chatenet**, Magnetic heating of FeC core Ni shell nanoparticles as an efficient means to enhance alkaline water electrolysis, *International Symposium on Electrocatalysis*, oral com. invited, Szczyrk, Pologne (2018) abstract p. 11
- CI-186** A.G. Oshchepkov, A. Bonnefont, G. Braesch, **M. Chatenet**, E.R. Savinova, The Influence of Surface State on the Electrocatalytic Activity of Ni in Alkaline Media, *International Symposium on Electrocatalysis*, oral com., Szczyrk, Pologne (2018) abstract p. 118
- CI-187** V. L. Oliveira, Y. Soldo-Olivier, E. A. Ticianelli, **M. Chatenet**, Eric Sibert, Tuning borohydride electro-oxidation using Pd layers on Pt(111), 14th International Fischer Symposium, oral com., Kloster Seeon, Allemagne (2018)
- CI-188** R. M. E. Hjelm, R. W. Atkinson III, Y. Garsany, R. O. Stroman, K. Swider-Lyons, C. Lafforgue, **M. Chatenet**, Sodium Borohydride Oxidation on Varied Anode Compositions in a Hydrogen Peroxide-Direct Borohydride Fuel Cell, *Aimes ECS meeting 2018*, oral com., Cancun, Mexico (2018) abstract 113113
- CI-189** C. Lafforgue, L. Dubau, F. Maillard, **M. Chatenet**, Is catalyst durability granted in alkaline fuel cell?, 3rd International Fuel Cells Workshop - Israel Hosted by the Israeli Fuel Cells Consortium (in the framework of INREP), oral com. Invited (keynote), Tel Aviv, Israel (2018) abstract Oct-31, 14:00
- CI-190** G. Braesch, C. Lafforgue, E. Savinova, A. Bonnefont, G. Maranzana, **M. Chatenet**, Pros and cons of direct borohydride fuel cells: an electrocatalysis and electrocatalysts prospect, *Fundamentals & Development of Fuel Cells (FDFC 2019)*, oral com. Invited (keynote), Nantes (2019)
- CI-191** M. Trégaro, F. Maillard, C. Geantet, **M. Chatenet**, Anode electrocatalysts for the electrochemical purification and compression of hydrogen, *Fundamentals & Development of Fuel Cells (FDFC 2019)*, oral com., Nantes (2019)
- CI-192** C. Lafforgue, F. Maillard, L. Dubau, **M. Chatenet**, Shedding light on the degradation mechanism of PGM based carbon-supported electrocatalysts in alkaline media, *Fundamentals & Development of Fuel Cells (FDFC 2019)*, oral com., Nantes (2019)
- CI-193** V. Gatard, C. Niether, S. Faure, A. Bordet, J. Deseure, J. Carrey, B. Chaudret, A. Rouet, **M. Chatenet**, Alkaline water electrolysis enhanced by an alternative magnetic field: promises

and bottlenecks, *25th Topical ISE Meeting of the International Society of electrochemistry*, **oral com. Invited, Toledo, Spain** (2019) Mon-s2-9:20

CI-194 S. Ould Amara, **M. Chatenet**, S. Didierjean, J. Dillet, G. Maranzana, Operating Heterogeneities Along a Direct Borohydride Fuel Cell, *25th Topical ISE Meeting of the International Society of electrochemistry*, **oral com. Toledo, Spain** (2019) Mon-s2-11:40

CI-195 G. Cognard, F. Claudel, L. Sola-Hernandez, G. Ozouf, C. Beauger, **M. Chatenet**, L. Dubau, F. Maillard, Benefits and Limitations of Metal-Oxide Supports in Proton-exchange Membrane Fuel Cells and Water Electrolyzers, *235th Meeting of the Electrochemical Society*, **oral com. Invited (keynote), Dallas, USA** (2019) abstract L04-1972

CI-196 C. Lafforgue, F. Maillard, L. Dubau, **M. Chatenet**, Degradation of PGM-based Carbon Supported Electrocatalysts in Alkaline Media Studied by in situ Fourier Transform Infrared Spectroscopy, *70th Annual Meeting of the International Society of Electrochemistry*, **oral com. Invited, Durban, South Africa** (2019) abstract S3-TU-15:40

CI-197 G. Braesch, A. G. Oshchepkov, A. Bonnefont, E. R. Savinova, **M. Chatenet**, Controlling the State of Surface of Nickel to Maintain Optimal Borohydride Oxidation Reaction Performances, *70th Annual Meeting of the International Society of Electrochemistry*, **oral com., Durban, South Africa** (2019) abstract S3-TU-16:40

CI-198 **M. Chatenet**, Durability of carbon-supported nanostructured electrocatalysts in alkaline environments: more noble is not necessarily more stable! *Insights into Gas Diffusion Electrodes: From Fundamentals to Industrial Applications*, **oral com. Invited (plenary), Magdeburg, Allemagne** (2019)

CI-199 V. Caldeira, L. Dubau, J. Thiel, **M. Chatenet**, Improving Zinc Porous Electrode Architecture for Secondary Alkaline Battery, *Batteries Event 2019*, **oral com., Nice** (2019) abstract # Wednesday october 23rd, 11:45

CI-200 A. G. Oshchepkov, G. Braesch, G. Rostamikia, G. Maranzana, A. Bonnefont, M. J. Janik, **M. Chatenet**, E. R. Savinova, Borohydride Electrooxidation (BOR) on Nickel: Towards Understanding of the Reaction Mechanism, *71th Annual Meeting of the International Society of Electrochemistry*, **oral com. Invited, Belgrade, Serbia** (2020) abstract 18-2020-09-04-11:35

CI-201 G. Braesch, A.G. Oshchepkov, A. Bonnefont, G. Maranzana, Z. Wang, S. Sankarasubramanian, V. Ramani, P.G. Santori, F. Jaouen, E.R. Savinova, **M. Chatenet**, High-Performance Direct Borohydride Fuel Cells using Non-PGM electrocatalysts, *238th Meeting of the Electrochemical Society - PRiME 2020 meeting*, **oral com., Hawaii, USA** (2020) abstract I01E-2386

CI-202 C. Lafforgue, F. Vandenberghe, R. Riasse, M. Trégaro, M. Heitzmann, P. Schott, J.-F. Blachot, F. Micoud, **M. Chatenet**, Benchmarking carbon-supported Pt-based oxygen reduction reaction electrocatalysts for PEMFC cathodes, *238th Meeting of the Electrochemical Society - PRiME 2020 meeting*, **oral com. Invited (keynote), Hawaii, USA** (2020) abstract I01D-2319

CI-203 H. Doan, T. Morais, **M. Chatenet**, Surface Poisoning Induced By PGM-Based Catalyst Degradation in Alkaline Media and Self-Recovery By "CO-like" Stripping, *238th Meeting of the Electrochemical Society - PRiME 2020 meeting*, **oral com., Hawaii, USA** (2020) abstract I01E-2380

CI-204 S. Touhami, L. Dubau, J. Mainka, **M. Chatenet**, J. Dillet, O. Lottin, Anode Monitoring by ElectroChemical Impedance Spectroscopy in Polymer Electrolyte Membrane Fuel Cells, *Modval 17*, **oral com., EPFL, Sion, Suisse** (2021)

- CI-205** G. Braesch, V. Martin, R. Chattot, A. Oshchepkov, A. Bonnefont, E. R. Savinova, **M. Chatenet**, Unveiling sodium borohydride oxidation mechanism on palladium electrodes by several *in situ* coupled techniques, *Italian Virtual Workshop on Fuel Cells 2021 (IVWFC 2021)*, **oral com. Invited (keynote)**, **Visio** (2021) abstract WedMarch17-14:00-14:30
- CI-206** G. Braesch, A. G. Oshchepkov, A. Bonnefont, G. Maranzana, G. Rostamikia, M. J. Janik, E. R. Savinova, **M. Chatenet**, Electrodeposited Ni-Based Electrodes for High-Performance Borohydride Oxidation Reaction, *239th Meeting of the Electrochemical Society - 18th International Meeting on Chemical Sensors*, **oral com. Invited**, **Chicago, Visio** (2021) abstract L06-1916
- CI-207** R. Chattot, I. Martens, G. Braesch, E. Sibert, L. Dubau, F. Maillard, **M. Chatenet**, J. Drnec, Revealing Nanocatalysts Electrochemical Adsorption Trends from Synchrotron X-Ray Diffraction, *239th Meeting of the Electrochemical Society - 18th International Meeting on Chemical Sensors*, **oral com.**, **Chicago, Visio** (2021).
- CI-208** H. Doan, C. Lafforgue, **M. Chatenet**, Durability studies of platinum group metal-based carbon-supported nanoparticles in alkaline environments, *Current Trends in Electrochemistry*, **oral com. Invited**, **Paris, France** (7 - 9 July 2021).
- CI-209** F. Vandenberghe, P. Schott, F. Micoud, A. Morin, **M. Chatenet**, Coupling Experiment and Modelling to Characterize and Predict Performances of PEMFC, *240th Meeting of the Electrochemical Society*, **oral com.**, **Orlando, Visio** (2021) abstract 150697
- CI-210** R. Sgarbi, H. Doan, **M. Chatenet**, Tailoring the metallic and oxide sites of Pd/C and Ni/C catalyst for optimum Hydrogen Oxidation Reaction (HOR) and durability in alkaline media, *240th Meeting of the Electrochemical Society*, **oral com.**, **Orlando, Visio** (2021) abstract 152056
- CI-211** H. Doan, R. Sgarbi, N. Borchtchoukova, Y. Wijsboom, G. Finkelshtain, **M. Chatenet**, Comparing different nanoparticles' protecting layers that can slow down the degradation of Pd-Ni based catalyst during Hydrogen Oxidation Reaction (HOR) in alkaline media, *240th Meeting of the Electrochemical Society*, **oral com.**, **Orlando, Visio** (2021) abstract 151763
- CI-212** H. Doan, R. Sgarbi, **M. Chatenet**, Hydrogen Oxidation Reaction (HOR) on Carbon-Capped Pd/C in Alkaline Media, *241st Meeting of the Electrochemical Society*, **oral com. Invited**, **Vancouver** (2022) abstract L05-2049
- CI-213** R. Sgarbi, H. Doan, **M. Chatenet**, Carbon-Capped Monometallic and Bimetallic Catalysts for Hydrogen Oxidation Reaction (HOR) and Their Positive Features on Durability in Alkaline Conditions, *241st Meeting of the Electrochemical Society*, **oral com.**, **Vancouver** (2022) abstract L01-1902
- CI-214** H. Doan, R. Sgarbi, **M. Chatenet**, The Behavior of Carbon-Coated Nanoparticles in Oxidizing and Reducing Gas Environment in Environment TEM (E-TEM) Mode, *241st Meeting of the Electrochemical Society*, **oral com.**, **Vancouver** (2022) abstract L05-2081
- CI-215** A. E. Illoul, V. Caldeira, **M. Chatenet**, L. Dubau, Approaches Towards Improving Zinc-Nickel Batteries Performance, *241st Meeting of the Electrochemical Society*, **oral com.**, **Vancouver** (2022) abstract A01-0021
- CI-216** P. Schott, F. Micoud, A. Morin, **M. Chatenet**, Modeling of platinum oxides formation and re-reduction: a performance model for O₂ reduction reaction, *18th Symposium on Modeling and Experimental Validation of Electrochemical Energy Technologies*, **oral com.**, **Hohenkammer, Germany** (March 2022)
- CI-217** P. Schott, F. Micoud, A. Morin, **M. Chatenet**, Modeling of platinum oxides formation and re-reduction: a performance model for O₂ reduction reaction, *18th Symposium on Modeling*

and Experimental Validation of Electrochemical Energy Technologies, **oral com.**, **Hohenkammer, Germany** (March 2022)

- CI-218** R. Riasse, **M. Chatenet**, J. Durst, C. Lafforgue, Benchmarking Oxygen reduction reaction catalysts using a gas diffusion electrode, *2022 Fuel Cells Gordon Research Conference*, **Poster, Bryant University, USA** (August 2022)
- CI-219** F. Vandenberghe, **M. Chatenet**, F. Micoud, A. Morin, P. Schott, Coupling Experiments and Modeling: Towards a Better Understanding of PEMFC Operation, *32nd Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stockholm, Sweden** (19 - 22 June 2022) (Tue s2)15:15
- CI-220** A. Bukowski, F. Deschamps, J.-F. Vanhumbeek, J. Deseure, **M. Chatenet**, Etude de l'influence des hydroxydes de nickel sur les performances en HER pour l'électrolyse alcaline de l'eau, *Journées d'Electrochimie 2021 (organisées en 2022)*, **Poster, Mons, Belgique** (2022) P2-09
- CI-221** F. Dubelley, L. Svecova, M. Robert, F. Guillet, C. Bas, L. Dubau, C. Iojoiu, **M. Chatenet**, Recycling process of Membrane Electrode Assembly of PEMFC, *Electrolyzer and Fuel Cell Recycling Workshop*, **oral com. Invited**, **Washington DC, USA** (8th sept. 2022)
- CI-222** L. Magnier, C. Pascal, V. Roche, E. Sibert, I. Shchedrina, R. Bousquet, V. Parry, **M. Chatenet**, Highly-active oxygen evolution electrodes based on activated industrial Ni-Fe alloys, *35th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Gold Coast, Australia** (7-11th May 2023) ise230018
- CI-223** M. Tempelaere, M. Zimmermann, **M. Chatenet**, Study and optimization of vertically aligned carbon nanotube composites and catalysts for fuel cell applications, *European Fuel Cell Forum EFCF2023*, **oral com.**, **Lucerne, Switzerland** (4-7 july 2023) B0205
- CI-224** L. Magnier, G. Cossard, C. Pascal, V. Roche, E. Sibert, I. Shchedrina, R. Bousquet, V. Parry, **M. Chatenet**, Activation of industrial Ni-Fe alloys for alkaline oxygen evolution, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com. Invited (keynote)**, **Lyon, France** (3-8 september 2023) ise230536
- CI-225** Q. Labarde, L. Dubau, F. Micoud, **M. Chatenet**, Carbon-capped PtNi-alloy cathodic electrocatalysts for PEMFC, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com.**, **Lyon, France** (3-8 september 2023) ise230991
- CI-226** F. Guillet, **M. Chatenet**, F. Druart, L. Svecova, L. Dubau, Is electrochemical leaching of PEMFC platinum-based catalysts feasible?, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com.**, **Lyon, France** (3-8 september 2023) ise232813
- CI-227** C. Roiron, R. Riasse, V. Martin, K. Kumar, R. Chattot, **M. Chatenet**, M. Sultana Ripa, S. Brimaud, L. Pierinet, J. Drnec, F. Maillard, L. Dubau, Preferentially-shaped PtNi/C ORR nanocatalysts – Challenges towards their integration in MEA, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com. Invited (keynote)**, **Lyon, France** (3-8 september 2023) ise232714
- CI-228** R. Riasse, J. Dillet, J. Durst, L. Dubau, G. Maranzana, **M. Chatenet**, Degradation study of Pt₃Co catalytic layers in 25 cm² Proton Exchange Membrane Fuel Cell setup – A segmented cell and material study, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com.**, **Lyon, France** (3-8 september 2023) ise232584
- CI-229** R. Sgarbi, H. Doan, Q. Labarde, **M. Chatenet**, One-Pot Synthesis of Tailored Carbon-Coated Metal Nanoparticles for Durable Alkaline Hydrogen Oxidation Reaction Electrocatalysis, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com.**, **Lyon, France** (3-8 september 2023) ise231080

- CI-230** T. Faverge, A. Bonnefont, **M. Chatenet**, C. Coutanceau, Hydrogen as a Byproduct from the Electrocatalytic Conversion of Glucose into Value Added Compounds, *74th Annual Meeting of the International Society of Electrochemistry*, **oral com., Lyon, France** (3-8 september 2023) ise230294
- CI-231** T. Faverge, A. Bonnefont, **M. Chatenet**, C. Coutanceau, Electrocatalytic Conversion of Glucose into Hydrogen and Value-Added Compounds on Gold and Nickel Catalysts, *244th Meeting of the Electrochemical Society*, **oral com., Gothenburg, Sweden** (8-12 october 2023) F04-1421
- CI-232** C. Bas, F. Dubelley, M. Crouillere, L. Dubau, **M. Chatenet**, S. Touhami, O. Lottin, A. El Kaddouri, J. Dillet, J. Mainka, C. Nayoze-Coynel, S. Rosini, Y. Bultel, Mechanism of Ionomer Degradation as a Consequence of Defective Anode PEMFC, *244th Meeting of the Electrochemical Society*, **oral com., Gothenburg, Sweden** (8-12 october 2023) I01C-1918
- CI-233** R. Sgarbi, H. Doan, N. Bibent, S. Amigues, F. Jaouen, **M. Chatenet**, Improved Activity and Durability of Carbon-Coated Pd and PdNi Anode Catalysts in AEMFC, *244th Meeting of the Electrochemical Society*, **oral com., Gothenburg, Sweden** (8-12 october 2023) I01E-2029
- CI-234** H. Doan, R. Sgarbi, Q. Labarde, **M. Chatenet**, The Positive Effects of Carbon-Coating Layers on Protecting the Nanoparticle Towards Poisoning Ions or Gases, *244th Meeting of the Electrochemical Society*, **oral com., Gothenburg, Sweden** (8-12 october 2023) I01E-2030
- CI-235** Q. Labarde, L. Dubau, F. Micoud, **M. Chatenet**, Carbon-capped PtNi-alloy cathodic electrocatalysts for PEMFC, *FDFC2023: 9th International Conference on Fundamental and Development of Fuel Cell*, **oral com., Ulm, Germany** (25-27 September 2023) TUE15:10
- CI-236** J. Mainka, S. Touhami, M. Crouillere, J. Dillet, C. Nayoze-Coynel, C. Bas, L. Dubau, A. El-Kaddouri, F. Dubelley, F. Micoud, **M. Chatenet**, Y. Bultel, O. Lottin, Anode defects' propagation to the electrolyte and catalyst layer in Polymer Electrolyte Membrane Fuel Cells, *FDFC2023: 9th International Conference on Fundamental and Development of Fuel Cell*, **oral com., Ulm, Germany** (25-27 September 2023) TUE12:00
- CI-237** W. Ait Idir, S. Touhami, M. Daoudi, P. Wu, F. Micoud, Q. Labarde, R. Sgarbi, **M. Chatenet**, J. Dillet, O. Lottin, J. Mainka, Oxygen Transport Impedance in Polymer Electrolyte Membrane Fuel Cells, *FDFC2023: 9th International Conference on Fundamental and Development of Fuel Cell*, **oral com., Ulm, Germany** (25-27 September 2023) WED11:00
- CI-238** L. Magnier, G. Cossard, V. Parry, E. Sibert, **M. Chatenet**, Alkaline oxygen evolution reaction on activated industrial Ni-Fe alloys, *Electrocatalysis in complex structures*, **oral com. Invited (keynote), Nuremberg, Germany** (22-24 may 2024) 102388
- CI-239** E. Tardy, R. Riasse, F. Vandenberghe, F. Druart, A. Bonnefont, **M. Chatenet**, Y. Bultel, M. Guillou, B. Latour, Modeling Oxygen Reduction Reaction kinetics in a Gas Diffusion Electrode, *ModVal 2024 - 20th Symposium on Modeling and Experimental Validation of Electrochemical Energy Technologies*, **oral com., Baden, Switzerland** (13-14 March 2024) #119
- CI-240** H. Doan, R. Sgarbi, **M. Chatenet**, Carbon-capped metal-based nanoparticles; towards fast and durable hydrogen reactions catalysis in alkaline electrolytes, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com. Invited (keynote), Stresa, Italy** (9-12 June 2024) top240067

- CI-241** T. Faverge, A. Bonnefont, **M. Chatenet**, C. Coutanceau, Electrocatalytic Oxidation of Glucose into Hydrogen and Value Added Compounds on Gold: Experiments and Microkinetic Model, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stresa, Italy** (9-12 June 2024) S3-Sunday-18:35
- CI-242** Q. Labarde, **M. Chatenet**, L. Dubau, T. Gaumont, F. Micoud, Carbon-capped PtNi-alloy Cathodic Electrocatalysts for PEMFC, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stresa, Italy** (9-12 June 2024) S4-Sunday-18:25
- CI-242** M. Tempelaere, M. Zimmermann, **M. Chatenet**, Towards 3D-organized Catalytic Layers: Pt/Vertically Aligned Carbon Nanotubes composites for efficient Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stresa, Italy** (9-12 June 2024) S4-Sunday-18:40
- CI-243** T. Gaumont, **M. Chatenet**, L. Dubau, F. Maillard, C. Roiron, A. Viola, Carbon-supported PtNi Sponges Nano-architecture as a Cathode Catalyst for ORR in PEMFC, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stresa, Italy** (9-12 June 2024) S4-Monday-11:45
- CI-244** G. Cossard, **M. Chatenet**, G. Kérangueven, E. Savinova, E. Sibert, Oxygen evolution reaction in alkaline media using Co-spinels and stainless steel based electrodes, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stresa, Italy** (9-12 June 2024) S3-Monday-15:00
- CI-245** A. Bukowski, A. Bonnefont, **M. Chatenet**, J.-F. Vanhumbecq, Iron Contamination and Electrodeposition on Nickel Cathodes in Alkaline Water Electrolysers, *37th Topical Meeting of the International Society of Electrochemistry*, **oral com.**, **Stresa, Italy** (9-12 June 2024) S3-Monday-16:25
- CI-246** A. Baudy, **M. Chatenet**, L. Dubau, M. Scohy, Post Mortem Study of Catalyst Degradations in HT-PEMFC MEAs upon Start-stop Operation, *37th Topical Meeting of the International Society of Electrochemistry*, **poster**, **Stresa, Italy** (9-12 June 2024) S4-002
- CI-247** A. Samarin, A. Bonnefont, **M. Chatenet**, E. Sibert, Study of Single Crystal Pt/Ionomer Interfaces, *37th Topical Meeting of the International Society of Electrochemistry*, **poster**, **Stresa, Italy** (9-12 June 2024) S4-034
- CI-248** **M. Chatenet**, Engineering Proton Exchange Membrane Fuel Cell (PEMFC) catalysts and electrodes, *Enabling Deployment of Fuel Cells at Scale by Understanding Needs of Specific Applications - 2024 Fuel Cells Gordon Research Conference*, **oral com. Invited (Plenary)**, **Bryant University, USA** (July 28 - August 2, 2024)
- CI-249** **M. Chatenet**, Engineering of Proton Exchange Membrane Fuel Cell (PEMFC) catalysts and electrodes, *Electrochemistry2024 – Global Thinking Local Acting*, **oral com. Invited (keynote)**, **Braunschweig, Germany** (September 16-19, 2024)
- CI-250** L. Magnier, G. Cossar, E. Sibert, V. Parry, **M. Chatenet**, Commercial Fe-Ni-Cr alloys as highly active and low-cost oxygen evolution reaction catalyst in alkaline media, *International Conference on Materials and Energy (ICOME2024)*, **oral com. Invited**, **Bangkok, Thailand** (October 30 - November 1, 2024) abstract#42

Hall 09/11/2024

- CI-251** E. Vorms, E. Strugovshchikov, A. G. Oshchepkov, E. M., Isaiev, E. R. Savinova, A. Bonnefont, **M. Chatenet**, Kinetics of hydrazine hydrate oxidation on nickel electrode, *Telluride workshop “Platinum Group Metal and Platinum Group Metal-free*

Electrocatalysts: Diagnostics, Modeling and Characterization”, **oral com. Invited, Telluride, USA**, (March 17 - 21, 2025)

- CI-252** E. Tardy, R. Riasse, F. Vandenberghe, F. Druart, A. Bonnefont, M. Guillou, B. Latour, J. Thuilliez, **M. Chatenet**, Oxygen Reduction Reaction Kinetics in a Gas Diffusion Electrode; Experimental and Simulation Insights, *247th ECS Meeting*, **oral com. Invited, Montréal, Canada**, (May 18 - 22, 2025) abstract #L05-2632
- CI-253** M. Tempelaere, N. Blasco, M. Zimmermann, **M. Chatenet**, 3D-Organized Pt/Vertically Aligned Carbon Nanotubes Composite Electrodes for Outstanding Oxygen Reduction Reaction Performance in Proton Exchange Membrane Fuel Cells, *247th ECS Meeting*, **oral com. Invited (keynote), Montréal, Canada**, (May 18 - 22, 2025) abstract # L06-2665
- CI-254** Q. Labarde, T. Gaumont, L. Dubau, F. Micoud, **M. Chatenet**, Carbon-capped PtNi/C as active and durable oxygen reduction reaction catalysts in hot and dry PEMFC conditions, *247th ECS Meeting*, **oral com., Montréal, Canada**, (May 18 - 22, 2025) abstract # I03-2162

Communications in national conferences

- CN-1** **M. Chatenet**, M. Aurousseau, R. Durand, Deux utilisations non classiques de l'électrode disque-anneau (EDAT) : mesure de coefficient de diffusion et étude de réaction sur nanoparticules, **affiche**, *Société chimique de France*, **Grenoble** (1999)
- CN-2** **C. Lebouin**, Y. Soldo-Olivier, P. Millet, **M. Chatenet**, R. Faure, Dépôt en sous potentiel de palladium sur monocristaux de platine : étude du système Pd-H en basse dimensionnalité, **oral com.**, *Electrochimie dans les nanosciences – Société chimique de France*, **Paris** (2006) CO18
- CN-3** **E. Guilminot**, A. Corcella, F. Maillard, **M. Chatenet**, L'ultramicroélectrode à cavité : un outil performant pour la caractérisation d'électrocatalyseur nanoparticules de Pt/C de piles à combustible basse température, **oral com.**, *Electrochimie dans les nanosciences – Société chimique de France*, **Paris** (2006) A14
- CN-4** **M. Boinet**, D. Marlot, A. Proust, J. C. Lenain, J. Bernard, **M. Chatenet**, F. Dalard, S. maximovitch, G. Denuault, R. Nogueira, F. Huet, Coupling of Acoustic Emission and Electrochemical Techniques, **oral com.**, *EMCR*, **Paris** (2006)
- CN-5** M. B. Molina-Concha, **M. Chatenet**, J.-P. Diard, Etude du mécanisme d'électrooxydation de borohydrure sur électrode tournante d'or, **oral com. et affiche**, *XX^{ème} forum sur les impédances électrochimiques*, **Paris** (2007) communication matinale #8
- CN-6** **F. Maillard**, **M. Chatenet**, Electrocatalyse et vieillissement des matériaux dans une PEMFC, **oral com. invited**, *Journées thématiques de la société française de thermique - Piles à combustible à membrane PEMFC, Modélisation et retour d'expérience*, **Grenoble** (2008)
- CN-7** G. Parrou, **M. Chatenet**, J.-P. Diard, Etude de l'électrooxydation de NaBH₄ sur électrode à disque tournant d'or par spectroscopie d'impédance électrochimique – Vers un mécanisme à plusieurs étapes (E) successives, **oral com. et affiche**, *XXI^{ème} forum sur les impédances électrochimiques*, **Paris** (2008) communication matinale #2
- CN-8** G. Parrou, M. B. Molina-Concha, **M. Chatenet**, J. P. Diard, Etude du mécanisme d'électrooxydation de borohydrure sur électrode tournante d'or par spectroscopie d'impédance électrochimique, **affiche**, *Journées de printemps de la Société chimique de France - section Rhône-Alpes*, **Grenoble** (2008)
- CN-9** **M. B. Molina-Concha**, **M. Chatenet**, Electrooxydation du borohydrure de sodium sur électrodes de Pt, Ag et alliages Pt-Ag en milieu alcalin, **affiche**, *Journées de printemps de la Société chimique de France - section Rhône-Alpes*, **Grenoble** (2008)

- CN-10 **M. Chatenet**, Apport des matériaux fluorés à la filière hydrogène : catalyseurs et électrodes de PEMFC, *Journée thématique du Réseau Français du Fluor, sur l'Apport des matériaux fluorés à la filière Hydrogène*, **oral com. Invited, Le Mans** (3 octobre 2022)
- CN-11 **M. Chatenet**, A journey into (alkaline) direct borohydride fuel cells, *Journée de la Division Transversale Energie, Société Chimique de France*, **oral com. Invited, Lyon** (25 avril 2025)

Invited seminars

- SI-1 **M. Chatenet**, Electrocatalysis applied to fuel cells, *University of Minnesota, Minneapolis* (2003)
- SI-2 **M. Chatenet**, Les piles à combustible basse température, *Séminaire annuel des enseignants de physique-chimie du secondaire*, **Grenoble** (2004)
- SI-3 **M. Chatenet**, The electrocatalysis of oxygen electroreduction: from the basics to the industrial processes, *VINCI School 2006: Electrocatalysis, Materials in Energy Saving, Sensing, Electrosynthesis and Environmental Issues*, **Milano** (2006)
- SI-4 **M. Chatenet**, L'hydrogène de poche : quelle pile à combustible au quotidien ?, *Conférence midi-science, Université Joseph Fourier*, **Grenoble** (2007)
- SI-5 **M. Chatenet**, La pile à combustible : mythe ou réalité ? Quelle pile à combustible dans notre quotidien ?, *Réunion des anciens cadres supérieurs et dirigeants de Rhône-Poulenc agrochimie*, **Chazay d'Azergues** (2007)
- SI-6 **M. Chatenet**, L'ultramicroélectrode à cavité (UMEC) en électrocatalyse – principe, exemples et difficultés expérimentales, *Workshop UMEC*, **Paris** (2007)
- SI-7 **M. Chatenet**, M. B. Molina-Concha, G. Parrou, J.-P. Diard, Contribution à la caractérisation du mécanisme et de la cinétique d'électrooxydation de l'anion borohydrure en milieu alcalin, *Journées Toulousaines d'électrochimie*, **Toulouse** (2008)
- SI-8 **M. Chatenet**, Pt redistribution within PEMFC MEAs upon ageing – causes and consequences on the PEMFC performance, *Universidade de São Paulo, São Carlos* (2008)
- SI-9 **M. Chatenet**, First insights into the mechanism of the Borohydride Oxidation Reaction (BOR) on gold from Electrochemical Impedance Spectroscopy (EIS), *Universidade de São Paulo, São Carlos* (2009)
- SI-10 L. Dubau, J. Durst, E. Guilminot, F. Maillard, **M. Chatenet**, Dégradation des couches actives de PEMFC à base de nanoparticules de Pt ou PtCo supportées sur carbone de grande aire spécifique, *Laboratoire d'Énergétique et de Mécanique Théorique et Appliquée (LEMTA)*, **Nancy** (2011)
- SI-11 **M. Chatenet**, B. Molina Concha, L. Dubau, E. Guilminot, J. Durst, F. Maillard, Electrocatalysis in low-temperature fuel cells; from the limitations of PEMFC to the promises of DBFC, *University of Southampton*, **Southampton** (2012)
- SI-12 B. Vion-Dury, J. Durst, E. Guilminot, F. Maillard, **M. Chatenet**, L'ultramicroélectrode à cavité en électrocatalyse – forces et faiblesses vis-à-vis des outils de caractérisation classiques d'électrocatalyseurs de PEMFC, *Ecole thématique « Electrochimie pour les microréacteur, microcapteur, microbatteries »*, **Autrans** (2013)
- SI-13 **M. Chatenet**, Les piles à combustible basse température : rêve ou cauchemar ? (des problèmes à leur solutions), *Conférences de la Fédération de Chimie de Marseille*, **Marseille** (2013)

- SI-14** M. Chatenet, Study of NH_3BH_3 electrooxidation reaction on gold electrodes by in situ Fourier Transform InfraRed Spectroscopy and on-line Differential Electrochemical Mass Spectrometry, *Institut National Polytechnique de Lorraine*, **Nancy** (2013)
- SI-15** M. Chatenet, Les piles à combustible basse température pour le véhicule électrifié : rêve inaccessible ? *Réunion des anciens cadres supérieurs et dirigeants de Rhône-Poulenc agrochimie*, **Chazay d'Azergues** (2013)
- SI-16** M. Chatenet, Non-covalent interaction of cations with metal/carbon and oxide/carbon surfaces – application to oxygen reactions in aqueous Li-air batteries), *Universidade de São Paulo*, **São Carlos** (2013)
- SI-17** M. Chatenet, Les piles à combustible basse température pour le véhicule électrique, *Réunion de l'ADEPT*, **Talloires** (2013)
- SI-18** M. Chatenet, Electrocatalysis of the borohydride oxidation reaction at Pt electrodes in alkaline medium, *Université de Strasbourg*, **Strasbourg** (2014)
- SI-19** M. Chatenet, Electrocatalysis of Pt/MOx (M = Ti, W) materials in PEMFC environment, Saint Gobain CREE, **Cavaillon** (2014)
- SI-20** M. Chatenet, Direct Alkaline Fuel Cells: an alternative to H_2 -fed PEMFC? Promises and hurdles, BEST seminar, **Grenoble** (2014)
- SI-21** M. Chatenet, Behavior of platinum and gold electrodes towards the borohydride oxidation reaction in alkaline medium, 1st TEC seminar of the Technische Universität München, **Brixen Im Thale** (2014).
- SI-22** M. Chatenet, Heterogeneities of aging upon PEMFC degradation – Why identical location transmission electron microscopy in polymer electrolyte environment is worth a study, 2nd TEC seminar of the Technische Universität München, **Brixen Im Thale, Austria** (2015).
- SI-23** M. Chatenet, Electrocatalysis at LEPMI, Team of interfacial electrochemistry, *Institut for Energy (IFE)*, **Kjeller, Norway** (2015).
- SI-24** M. Chatenet, Electrocatalysis at LEPMI, Team of interfacial electrochemistry, *SINTEF - NTNU*, **Trondheim, Norway** (2015).
- SI-25** M. Chatenet, Identical-location transmission electron microscopy, a tool to understand PEMFC electrocatalysts degradations, *séminaire IRCE Lyon*, **Lyon** (2015).
- SI-26** F. R. Nikkuni, J. Durst, L. Castanheira, E. A. Ticianelli, L. Dubau, F. Maillard, M. Chatenet, Identical-location transmission electron microscopy, a tool to understand PEMFC electrocatalysts degradations, *University of New Mexico*, **Albuquerque, USA** (2015).
- SI-27** P.-Y. Olu, A. Bonnefont, N. Job, E. Savinova, M. Chatenet, Experimental and modelling insights into the borohydride electrooxidation reaction mechanism at platinum electrodes, *Los Alamos National Laboratory*, **Los Alamos, USA** (2015).
- SI-28** L. Dubau, M. Chatenet, F. Maillard, Instability of carbon-supported Pt-based nanoparticles in model and real proton-exchange membrane fuel cell environment, *PC-Kolloquium Universität Ulm*, **Ulm, Allemagne** (2015).
- SI-29** M. Chatenet, Les piles à combustible dans le contexte du développement durable, *Conférence « Olympiades de Chimie »*, Mercredi 16 Décembre 2015, **Grenoble** (2015).
- SI-30** M. Chatenet, Les piles à combustible dans le contexte du développement durable, *Journées nationales des cordées de la réussite Collèges-Lycées - Grandes Écoles - Universités – Entreprises*, Cordée « **GRENOBLE SCIENCES** », Jeudi 4 février 2016, **Grenoble** (2016).
- SI-31** M. Chatenet, Durability issues in low-temperature fuel cells: from systems operated on the field to model accelerated stress-test, 3rd TEC seminar of the Technische Universität München, **Brixen Im Thale, Austria** (2016).

- SI-32 **M. Chatenet**, Les piles à combustible dans le contexte du développement durable, *Séminaire IUF, section Grenoble*, **Grenoble** (8 Juin 2016).
- SI-33 **M. Chatenet**, Les piles à combustible dans le contexte du développement durable, *Journée Scientifique de l'ARC Energies*, **Lyon** (27 Juin 2016).
- SI-34 **J. Durst, L. Castanheira, L. Dubau, F. Maillard, M. Chatenet**, Durability issues in low-temperature fuel cells: from systems operated on the field to model accelerated stress-test, *Univ. Shinshu*, **Nagano, Japon** (15 Septembre 2016).
- SI-35 **M. Chatenet**, Influence of the (nano)structuration of PtM/C electrocatalysts on their activity, selectivity and durability, *Journée Scientifique de l'IFPEN*, **Lyon** (2 Décembre 2016).
- SI-36 **L. Dubau, F. Maillard, M. Chatenet**, Méthodes et outils utilisés pour élucider les mécanismes de dégradation d'électrocatalyseurs de PEMFC, *40 ans plateforme CMTC*, **Grenoble** (22 mai 2017)
- SI-37 **M. Chatenet**, Insights into on-the-field PEMFC degradation: linking cell performance to local materials degradation, *Laplace & SAFRAN*, **Toulouse** (10 juillet 2017)
- SI-38 **M. Chatenet**, Electrocatalysis in gas diffusion electrodes, *Freie Universität Berlin*, **Berlin** (24 juillet 2017)
- SI-39 **C. Lafforgue, A. Zadick, L. Dubau, M. Chatenet**, Degradation mechanisms of metal-based carbon-supported electrocatalysts for alkaline fuel cells, *Helmholtz Zentrum Berlin*, **Berlin** (25 juillet 2017)
- SI-40 **M. Chatenet**, Borohydride oxidation reaction (BOR) efficiency and mechanism at gold and platinum electrodes, *Naval Research Laboratory*, **Washington DC, USA** (25 aout 2017)
- SI-41 **C. Lafforgue, G. Braesch, L. Dubau, F. Maillard, M. Chatenet**, Durability of carbon-supported electrocatalysts in alkaline electrolytes for fuel cell applications, Atelier « Electrochimie à Montpellier », Labex CheMISyst, **Montpellier** (20 juin 2019)
- SI-42 **C. Lafforgue, A. Zadick, L. Dubau, F. Maillard, M. Chatenet**, Alkaline durability of carbon-supported electrocatalysts: More noble is not necessarily more stable! *3rd TEC seminar of the Technische Universität München*, **Monte Isola, Italy** (26-29 August 2019)
- SI-43 **M. Chatenet**, Electrocatalysts' durability in alkaline medium: is more noble more stable? *University of British Columbia*, **Vancouver, Canada** (18 October 2019)
- SI-44 **M. Chatenet**, Can we split water with stainless steel electrodes? *Queens University*, **Kingston, Canada** (21 October 2019)
- SI-45 **M. Chatenet**, L'hydrogène décarboné, notre futur carburant ?. *INP'partners*, **Grenoble** (25 November 2021)
- SI-46 **M. Chatenet**, L'hydrogène décarboné, notre futur carburant ? De la production à l'utilisation de H₂. *Réunion des anciens cadres supérieurs et dirigeants de Rhône-Poulenc agrochimie*, **Dardilly** (25 March 2022)
- SI-47 **M. Chatenet**, Low-temperature hydrogen technologies - highlights on LEPMI's input. *French American workshop at GIANT*, **Grenoble** (30 June 2022)
- SI-48 **M. Chatenet**, Nickel: a versatile catalytic material for alkaline environments. *Department Seminar, Center for Clean Energy Engineering, University of Connecticut*, **Storrs, USA** (22 July 2022)
- SI-49 **M. Chatenet**, Advantages and drawbacks of (alkaline) direct borohydride fuel cells. *EPFL Valais/Wallis in Sion*, **Sion, Suisse** (16 January 2023)
- SI-50 **R. Riasse, C. Lafforgue, F. Vandenberghe, F. Micoud, A. Morin, M. Arenz, J. Durst, M. Chatenet**, Benchmarking carbon-supported Pt-based Oxygen Reduction Reaction (ORR)

electrocatalysts for PEMFC cathodes. *ICPEES – Université de Strasbourg, Strasbourg* (23 January 2023)

- SI-51** **M. Chatenet**, Part I: Efficient oxygen evolution on stainless steel electrodes; Part II: Benchmarking carbon-supported Pt-based Oxygen Reduction Reaction (ORR) electrocatalysts for PEMFC cathodes. *University of Auckland, Auckland, New Zealand* (12 May 2023)
- SI-52** **M. Chatenet**, Benchmarking Pt-based Oxygen Reduction Reaction (ORR) electrocatalysts for PEMFC cathodes. *University of New South Wales, Sydney, Australia* (16 May 2023)
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