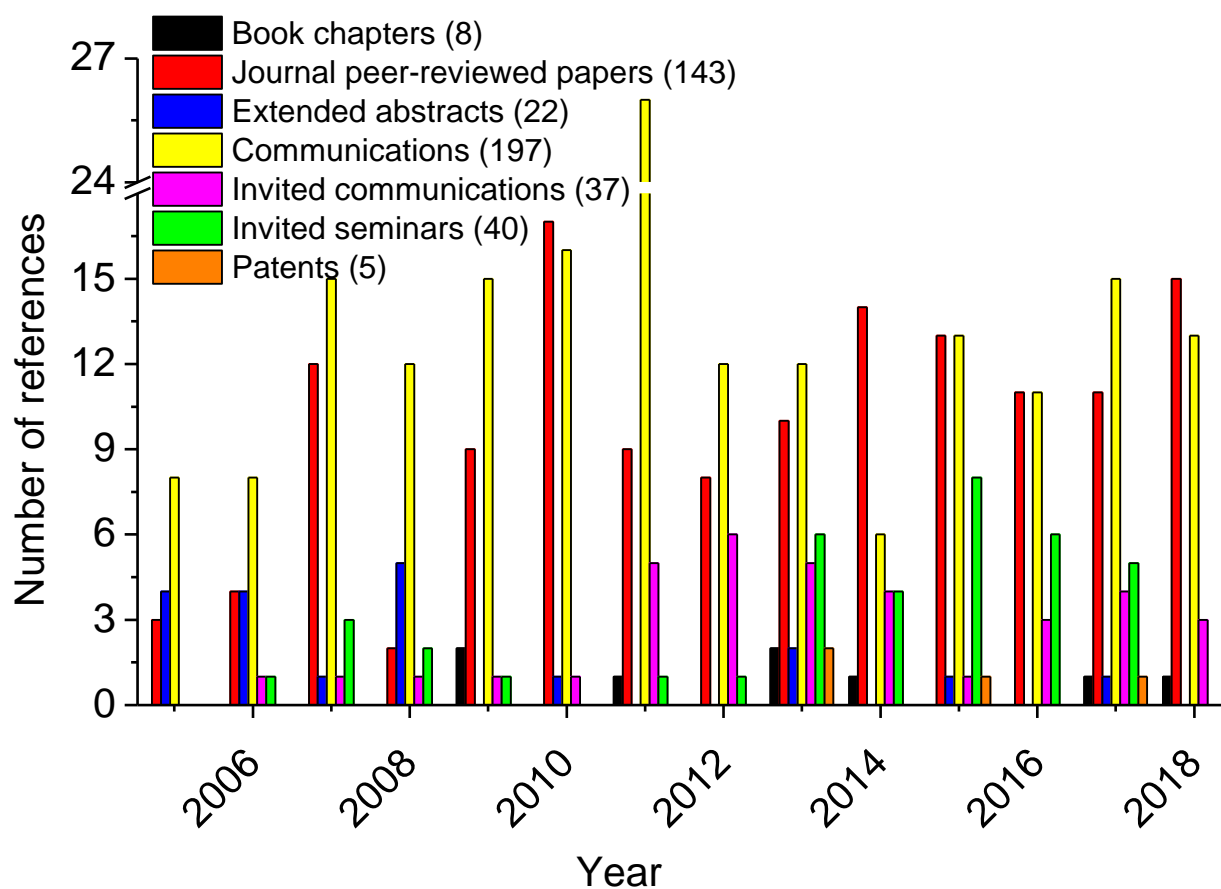


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- « h-factor » = 39
- Total citations : 4515
- ORCID : 0000-0002-9673-4775 (orcid.org/0000-0002-9673-4775)

- 8 book chapters
- 143 publications in peer-reviewed journals
- 5 patents
- 22 extended abstracts (16 reviewed on full text and 6 on abstract)
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- 9 communications in national conference with acts (1 invited)
- 40 invited seminars



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- CI-88** M. Chatenet, L'électrocatalyse des piles à combustible basse température - des limitations des PEMFC aux promesses des DBFC, **oral com. invited (keynote) – conférence thématique du thème 5. Journées d'électrochimie, Grenoble** (2011).
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- CI-106** F. Maillard, L. Dubau, J. Durst, **M. Chatenet**, L. Guétaz, J. André, E. Rossinot, Kirkendall effect-induced formation of Pt “hollow” particles from Pt₃Co/C nanoparticles in real PEFC conditions, **oral com. invited**, ACS meeting, **San Diego** (2012) abstract # 201
- CI-107** F. Maillard, L. Dubau, J. Durst, **M. Chatenet**, J. André, E. Rossinot, Durability of bimetallic alloys in PEMC: advances and controversies, **oral com. invited**, 63rd Annual Meeting of the ISE, **Prague** (2012) abstract p. 59
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- CI-109** L. Dubau, J. Durst, F. Maillard, **M. Chatenet**, L. Guétaz, J. André, N. Caqué, E. Rossinot, Durability of Pt₃Co/C cathode electrocatalyst during long-term real PEMFC operation, **oral com. invited**, *International Workshop on Characterization and quantification of MEA degradation processes*, **Grenoble** (2012) abstract p. 9
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- CI-111** M. B. Molina Concha, M. Chatenet, F. H. B. Lima, E. A. Ticianelli, Study of NH₃BH₃ oxidation reaction on gold electrodes by in situ Fourier Transform InfraRed Spectroscopy and Differential Electrochemical Mass Spectrometry, **oral com. invited (keynote)**, ABAF 13, Brno (2012) abstract # 14
- CI-112** P.-Y. Olu, M. Rouhet, M. Chatenet, A. Bonnefont, E. Savinova, Study of the BH₄⁻ electrooxidation mechanism on Pt catalyst using rotating ring-disk electrode (RRDE), **oral com.**, ABAF 13, Brno (2012) abstract # 16

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- CI-118** A. Bach Delpuech, C. Cremers, K. Pinkwart, J. Tübke, **M. Chatenet**, Ethanol oxidation reaction (EOR) on Pt/C and Pt-Rh/C electrocatalysts: DEMS study, **poster**, 2nd International Conference on Materials for Energy: EnMat II, Karlsruhe (2013) abstract # 1.01-09.
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- CI-120** L. Dubau, L. Castanheira, **M. Chatenet**, F. R. Nikkuni, E. A. Ticianelli, F. Maillard “Instability of carbon-supported Pt nanoparticles in model PEMFC environment: effect of intermediate characterizations, gas atmosphere and electrolyte”, **oral com. invited**, 59th International Conference of analytical sciences and spectroscopy, June 25-28th 2013, Mont-Tremblant, Canada
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- CI-126** A. Bach Delpeuch, C. Cremers, K. Pinkwart, J. Tübke, **M. Chatenet**, DEMS study of the ethanol oxidation reaction (EOR) on Pt/C and Pt₃Rh₁/C electrocatalysts at room temperature, **poster**, *Arbeitsgemeinschaft Elektrochemischer Forschungsinstitutionen seminar*, **Bochum** (2013).
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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.
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- CI-153** V. L. Oliveira, E. Sibert, Y. Soldo-Olivier, E. A. Ticianelli, **M. Chatenet**, Electrochemical oxidation of borohydride anion on PdML/Pt(111), *International symposium on Electrocatalysis: A key of sustainable society (ECAT2016)* , **oral com., Kanagawa, Japan** (2016) abstract # O2-12.
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- 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

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- 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. Savinova1, 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
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- CN-1** M. Chatenet, M. Arousseau, 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
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- 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. Parrour, 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

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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. Parrour, 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)

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- 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/MO_x (M = Ti, W) materials in PEMFC environment, Saint Gobain CREE, **Cavaillon** (2014)
- SI-20** M. Chatenet, Direct Alkaline Fuel Cells: an alternative to H₂-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).
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- 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).
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- 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).
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