Jannick Ingrin
Director of Research at the CNRS

Contacts:
Unité Matériaux Et Transformations (UMET)
UMR CNRS 8207, Université Lille
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Place of Birth: Orléans, France
Nationality: French
Maried, 2 sons, 2 stepdaugthers

Education

1982 Master degree, Géochimie et Géophysique, IPGP, Université Paris 7
1985 PhD thesis, Speciality: Geochemistry and Geophysics, IPGP, University, Paris 7
1992 Habilitation thesis, Speciality: Physical Sciences, Université de Lille I.

Professional Experience

1985 – 1986 Research assistant Department of Earth and Space Sciences, University of New-York at Stony Brook, USA
1986 – 1990 Chargé de Recherche Laboratoire Structure et Propriétés de l'État Solide, Lille
1991 – 1995 Chargé de Recherche Laboratoire de Géophysique et Géodynamique Interne, Orsay
1996 – 2000 Chargé de Recherche Laboratoire Mécanismes et Transferts en Géologie, Toulouse
2001 – 2010 Directeur de Recherche Laboratoire Mécanismes et Transferts en Géologie, Toulouse
Sept. 2010 – Directeur de Recherche Unité Matériaux Et Transformation, UMR8207, Université de Lille.

Publications

64 publications in international refereed journals (with 36 articles in first or second author).
203 communications
CI = 2182; h_{index}: 26 (ISI Web of Science; Cited reference Search – AUG. 2019)
orcid.org/0000-0001-5347-8321

Selected recent publications:

Roskosz, M., Deloule, E., **Ingrin, J**. Depecker, C., Laporte, D., Merkel, S., Remusat, L., Leroux, H. (2018) Kinetic D/H fractionation during hydration and dehydration of silicate glasses, melts and nominally anhydrous minerals. Geochimica Cosmochimiqua Acta. 233, 14-32. https://doi.org/10.1016/j.gca.2018.04.027

Tian Zhen-Zhen, Liu Jia, Xia Qun-Ke, **Ingrin J.**, Hao Yan-Tao, Depecker, C. (2017) Water concentration profiles in natural mantle orthopyroxenes: a geothermometer for long annealing of xenoliths within magma. Geology, 45, 87-90. http://dx.doi.org/10.1130/G38620.1

Blanchard, M., **Ingrin, J**., Balan, E., Kovacs, I., Withers, A.C. (2017) Effect of iron. And trivalent cations on OH-defects in olivine. Amer. Min. 102, 302-311. http://dx.doi.org/10.2138/am-2017-5777

Liu Jia, Qun-Ke, Xia, Etienne Deloule, **Jannick Ingrin**, Huan Chen, Min Feng (2015) Water content and oxygen isotopic composition of alkali basalts from the Taihang Mountains, China: recycled oceanic components in the mantle source. *Journal of Petrology*. 56, 681-702. http://doi.org/10.1093/petrology/egv013

Zhang, P., **Ingrin, J.**, Depecker, C., Xia, Q-K. (2015) Kinetics of deuteration in andradite. *Amer. Min.* 100, 1400-1410. DOI: http://dx.doi.org/10.2138/am-2015-5149

Chen Huan, Qun-Ke Xia, **Jannick Ingrin**, Zubing Jia, Min Feng, (2015) Changing recycled oceanic components in the mantle source of the Shuangliao Cenozoic basalts, NE China: new constraints from water content. *Tectonophysics*. 650, 113-123. http://dx.doi.org/10.1016/j.tecto.2014.07.022

Ingrin, J., Kovacs, I., Deloule, E., Balan, E., Blanchard, M., Kohn, S., Hermann, J. (2014) Identification of hydrogen defects linked to Boron substitution in synthetic forsterite and natural olivine. *Amer. Min.,* 99, 2138-2141. doi: 10.2138/am-2014-5049

Ingrin, J., Liu, J., Depecker, C., Kohn, D., Balan, E., Grant, K.J., (2013) Low-temperature évolution of OH bands in synthetic forsterite, implication for the nature of OH defects in olivine. *Phys. Chem. Minerals*, 40, 499-510 Doi:10.1007/s00269-013-0587-3.

Balan, E., **Ingrin, J.**, Delattre, M, Kovacs, I., Blanchard, M., (2011) Theoretical infrared spectrum of OH –defects in forsterite. *Eur. J. Miner*., DOI: 10.1127/0935-1221/2011/0023-2090.

Grant K., **Ingrin J.**, Lorand J.P., Dumas P. (2007) – Water partitioning between mantle minerals from peridotite xenoliths. *Contrib. Mineral. Petrol.* 154, 15-34.

Scientific Activities

Advisor of 3 Post-docs, 13 PhD thesis, 14 Master thesis, 22 undergraduate thesis
Manager of the team of Mineralogy of Toulouse, 1998 – 2006 and 2009 – 2010
Manager of the team of Earth and Planetary Materials in Lille, 2017 –
Co-ordinator of the European network "Hydrospec" 2000 – 2004 and one Marie Curie Individual fellowship 2002-2004.
Principal investigator of the Eurocores project "HydroMin" (Co-ordinateur B. Winkler) 2006 – 2009
Co-ordinator of the ANR project "AutoHDiffmantel" 2010 – 2014
Organiser of specialized sessions at international congress and conference meetings (17).
Organiser of the 13th EMPG International Congress, 11-14 April 2010, Toulouse.
Guest editor for special volumes in: PEPI 2009, EJM 2011.

Teaching Activities

Systematic Mineralogy (Undergraduate level, 32h, Zhejiang University)
Co-ordination and redaction of the project for the Master 2 Recherche "Terre et Planètes"– Université de Toulouse: 2011 - 2015
Director of the Master 2 "Earth and Inner Planet Sciences" – Université de Toulouse: 2005 - 2010
Responsible for the pedagogical secretariat of the DEA "Sciences de la Terre et de l'environment" – Université de Toulouse: 1999 – 2004 (Director O. Jaoul)
Phases transformation (Master level, 8h): 2004 – 2010
Responsible for the practical training on analytical techniques (Master level, 15h): 2004 – 2010
Defects in minerals (Undergraduate level, 12h): 2001 – 2010
Kinetics of phase transformations in minerals (Master level, 12h): 1999 – 2004
Elasticity (Master level, 10h): 1995 – 1999
Practical courses on Transmission electron microscopy (Master level, 32h): 1988 – 1991

Thesis Supervisor

-Hercule Sarah: Thesis of the University of Paris-Sud, Orsay, 21st November 1996.
-Lavie Marie-Pierre: Thesis of the University of Paris-Sud, Orsay, 16th June 1998.
-Pacaud Laure: Thesis of the University of Paris-Sud, Orsay, 20th December 1999.
-Gloter Alexandre: Thesis of the University of Paris-Sud, Orsay, 10th Janvier 2000.
-Blanchard Marc: Thesis of the University Paul Sabatier, Toulouse, 23rd September 2003.
-Foucard Frederic: Thesis of the University Paul Sabatier, Toulouse, 14th Mai 2004.
-Kurka Andreas: Thesis of the University Paul Sabatier, Toulouse, 24th November 2005.
-Desbois Guillaume: Thesis of the University Paul Sabatier, Toulouse, 28th September 2006.
-Vigouroux Eric: Thesis of the University of Lille 1, 22nd Mai 2014.
-Zhang Peipei: Thesis of the University of Lille 1, (Co-direction, USTC, Hefei, China) 28th February 2015.
-Gu Xiaoyan: Thesis of the University of Lorraine, Co-direction E. Deloule) 3 June 2016.
-Chen Huan: Thesis of the University of Lille 1, (Co-direction, USTC, Hefei, China) 22nd March 2017.
-Thomaidis Konstantinos: University of Lille, 2018-2021.

Scientific Evaluations

Evaluator of scientific projects for different institutions abroad: EU (REA), ESF, INTAS, NERC, NSF, FWF, FNRS, DFG, SNF and national institutions CNRS, AERES, HCERES, ANR [expert, panel member], INSU, French Minister of Education and Research.

Other Professional Activities

2019 - Managing Editor of the European Journal of Mineralogy
2019 – Pao Yu-Kong Chair Professor at the Zhejiang University (Hangzhou, Chine).
2016 – 2018 Guest professor at Zhejiang University, Hangzhou, China
2010 - 2016 Guest professor at the USTC, university of Hefei, China
2008 - 2012: Member of the recruiting panel for the CNRS (section 18; Earth and solid Planets: structure, history and global models covering a large field from Geophysics, Geochemistry, Planetology to Tectonic, Paleontology, Ore deposit and Mineralogy).
2005-2010: Member of the board comittee and recruiting panel of the doctoral school “Sciences de l’Univers de l’Espace et de l’Environnement de Toulouse”.
2002-2010: Member of the administrative board for the Life and Earth Science college of the University of Toulouse.
Until 2009: Member of the Earth Science recruiting panel for the Universities of Toulouse (35th section), Clermont Ferrand (35th and 36th sections) and Marne la Vallée (35th and 60th sections).
2004-2005: Member of the technical comittee for synchrotron line building SMIS at SOLEIL.
2009-2010: Member of the programme committee for the CRG synchrotron lines at ESRF.
2011-2013, 2015-2017: Member of the SIMI 6 and CES31 panels of the ANR
2012 - 2018: Member of the Editorial Committee of the European Journal of Mineralogy.

Research Field and Expertise Field

My activity concerns a wide field of mineral physics at the interface between geosciences and material sciences: I am currently studying diffusion of hydrogen and oxygen in minerals, solubility of hydrogen in natural rocks and its implication for the water budget in terrestrial planets. I studied silicate glass immiscibility (volcanic glasses, synthetic glasses and glass fibers). Phase transitions induced by pressure or/and temperature and the kinetics of these transitions.
Experimental plastic deformation at high temperature with controlled oxygen partial pressure. Phase equilibria at the nanometre scale in natural and manufactured geomaterials and other related issues. These activities involve techniques such as infrared analyses (FTIR and μFTIR), transmission electron microscopy techniques, high-pressure high-temperature techniques, the use of synchrotron facilities, Rutherford backscattering spectrometry (RBS) and nuclear reaction analysis (NRA) ...

Affiliations
Member of the American Geophysical Union: 1986 – present
Member of the Mineralogical Society of America: 1999 – present
Member of the board of the French Mineralogical Society (SFMC): 2000 – present

Publications

64 articles in international journals
52 reports and thesis
203 communications

1. GILLET Ph., INGRIN J. and C. CHOPIN, (1984): Coesite in subducted continental crust: P-T history deduced from an elastic model. **Earth Planet. Sci. Letters,** 70, 426-436.
2. INGRIN J. and J. P. POIRIER, (1986) : Transmission electron microscopy of ejecta from the XVIth century eruption of the Soufrière, Guadeloupe; Microscopic evidence for magma mixing. **J. Volcanol. Geotherm. Res.,** 28**,**161-174.
3. INGRIN J. and Ph. GILLET, (1986) : TEM investigation of the crystal microstructures in a quartz-coesite assemblage of the western Alps. **Phys. Chem. Minerals,** 13, 325-330 .
4. MARTIN-LAUZER F. R., INGRIN J. and J. P. POIRIER, (1986): Transmission electron microscopic study of the immiscibility in natural and synthetic rhyolitic glasses. **Earth Planet. Sci. Letters,** 79, 168-178.
5. INGRIN J. and R. C. LIEBERMANN, (1989): Deviatoric stress in a girdle-anvil type high-pressure apparatus: effect on the quartz-coesite phase transformation. **Phys. Earth Planet. Interiors,** 54, 378-385.
6. INGRIN J., LATROUS K., DOUKHAN J. C. and N. DOUKHAN, (1989): Water in diopside: an electron microscopy and infrared spectroscopy study. **Eur. J. Mineral,** 1, 327-341.
7. DOUKHAN N., INGRIN J., DOUKHAN J.C. and K. LATROUS (1990): A TEM investigation of precipitation in star diopside. **Amer. Mineral.,** 75, 840-846.
8. INGRIN J., DOUKHAN N. and J. C. DOUKHAN, (1991): High temperature deformation of diopside single crystals. 2. TEM investigation of the defect microstructures. **J. Geophys. Res.,** 95 11477-11487.
9. INGRIN J. and J. C. DOUKHAN, (1991): A Griggs deformation apparatus set up at Lille. **Terra Nova,** 3, 603-606.
10. Ingrin J., Doukhan N. and J. C. Doukhan (1992) Dislocation glide systems in diopside single crystals deformed at 800 - 900°C, **Eur. J. Mineral.,** 4, 1291-1302.
11. Ingrin J. (1993) : TEM imaging of polytypism in pseudo-wollastonite, **Phys. Chem. Minerals,** 20, 56-62.
12. BOUCHET D., COLLIEX C., INGRIN J. et al., (1993) : A critical evaluation of the results of the 1992 round robin Microanalysis Test (EDXS and PEELS) performed by the Ile de France TEM network, **Microsc. Microanal. Microstruct.,** 4, 387-399.
13. DOUKHAN N., DOUKHAN J.C., INGRIN J., JAOUL O. and P. RATERRON (1993): Early partial melting in pyroxenes. **Amer. Mineral.,** 78, 1246-1256.

14. RICHET P., INGRIN J., MYSEN B.O., COURTIAL Ph. and Ph. GILLET (1994): Premelting effects in minerals: an experimental study. **Earth Planet. Sci. Letters,** 121, 589-600.
15. INGRIN J. and M. MADON, (1995): TEM observations of several spinel-garnet assemblies: Toward the rheology of the transition zone. **Terra Nova**, 7, 509-515.
16. RATERRON P., INGRIN J., JAOUL O., DOUKHAN N. and F. ELIE, (1995): Early partial melting of diopside under high-pressure. **Phys. Earth Planet. Interiors,** 89, 77-88.
17. INGRIN J., HERCULE S. and T. CHARTON, (1995): Diffusion of hydrogen in diopside: Results of dehydration experiments. **J. Geophys. Res.,** 100, 15489-15499.
18. DIMANOV A. and J. INGRIN (1995) : Premelting and high-temperature diffusion of Ca in synthetic diopside: An increase of the cation mobility, **Phys. Chem. Minerals,** 22, 437-442.
19. BOUCHET D. and J. INGRIN (1995) : Report on the 1993 and 1994 round robin EDXS tests of the Ile de France TEM network, **Microsc. Microanal. Microstruct.,** 6, 385-392.
20. RICHET P., MYSEN B. and J. INGRIN (1998) : Premelting of diopside and pseudowollastonite, **Phys. Chem. Minerals,** 25, 401-414.
21. HERCULE S. and J. INGRIN (1999) : Hydrogen in diopside: diffusion, kinetics of extraction-incorporation, and solubility. **Amer. Mineral.,** 84, 1577-1588.
22. GUILHAUMOU N., DUMAS P., INGRIN J., CARR G.L. and WILLIAMS G.P. (1999) : Microanalysis of fluids in minerals in the micron scale range by synchrotron infrared microspectrometry. **Internet Journal of Vibrational Spectroscopy,** [www.ijvs.com] 3, 1,11.
23. PACAUD L., INGRIN J and JAOUL O. (1999) : High-temperature diffusion of 18O in diopside measured by nuclear reaction analysis (NRA). **Mineral. Mag.,** 63, 673-686.
24. GLOTER A., INGRIN J., BOUCHET D., SCRIVENER K.L. and COLLIEX C. (2000) : Composition and orientation dependence of the O*K* and Fe *L2,3* EELS fine structure in reference and substituted brownmillerites. **Phys. Rev. B,** 61, 2587-2594.
25. INGRIN J. and SKOGBY H. (2000) : Hydrogen in nominally upper-mantle minerals: concentration levels and implications. **Eur. J. Mineral., 12**, 543-570.
26. GLOTER A., INGRIN J., BOUCHET D., SCRIVENER K.L. and COLLIEX C. (2000) : TEM evidence of perovskite-brownmillerite coexistence in the Ca(AlxFe1-x)O2.5 system with minor amounts of titanium and silicon. **Phys. Chem. Minerals, 27**, 504-513.
27. INGRIN J., PACAUD L. and JAOUL O. (2001) : Anisotopy of oxygen diffusion in diopside. **Earth Planet. Sci. Letters,** 192, 347-361.
28. RANNOU P., CHASSEFIÉRE T., ENCRENAZ T., ERARD S., GÉNIN J.M., INGRIN J., JAMBON A., JOLIVET J.P., RAULIN F., RENAULT P., ROCHETTE P., PERSON A., SIGUIER J.M., TOUBLANC D. (2001). EXOCAM: Mars in a box to simulate soil-atmosphere interactions. **Adv. Space Res**., 27, 189-193.
29. RICHARD, G., MONNEREAU, M. & INGRIN, J (2002) Is the transition zone an empty water reservoir? Inferences from numerical model of mantle dynamics. **Earth Planet. Sci. Lett.** 205, 37-51.
30. Dimanov, A., **Lavie, M.P.**, Dresen, G., **Ingrin, J., Jaoul, O.** (2003) - Creep of polycrystalline anorthite and diopside - *J. Geophys. Res*., 108, 15, 1-14.
31. Blanchard, M., **Ingrin, J.** (2004) - Kinetics of deuteration in pyrope - *Eur. J. Mineral*., 16, 567-576.
32. Blanchard, M., **Ingrin, J.** (2004) - Hydrogène diffusion in Dora Maira pyrope - *Phys. Chem. Mineral*., 31, 593-605.
33. Ali Bouhifd, M., Richet P., Besson, P., Roskosz, M., **Ingrin, J.** (2004) - Redox state, microstructure and viscosity of a partially crystallized basalt melt - ***Earth Planet. Sci. Lett***., 218, 31-44.
34. Hertweck B. and **Ingrin J** (2005) – Hydrogen incorporation in a ringwoodite analogue : Mg_2GeO_4 spinel. *Mineral. Mag.* 69, 335-341.
35. Kurka A., Blanchard M. and **Ingrin J** (2005) – Kinetics of hydrogen extraction and deuteration in grossular. *Mineral. Mag.* 69, 357-369.

36. **Ingrin J**. and Blanchard M. (2006) – Diffusion of Hydrogen in Minerals. *Review in Mineralogy & Geochemistry*. 62, 291-320.
37. Desbois, G., **Ingrin, J.**, Kita N., Valley, J., Deloule, E., (2007) – New constraints on metamorphic history of Adirondack's diopsides (NY, USA) : Al and $\delta^{18}O$ profiles – *Amer. Min.*, 92, 453-459.
38. Grant, K., **Ingrin, J.**, Lorand J-P., Dumas, P., (2007) – Water partitioning between mantle minerals from peridotite xenoliths – *Contrib. Mineral. Petrol.*, 154, 15-34.
39. A.M.Seydoux-Guillaume, R. Wirth and **J. Ingrin**: (2007) Contrasting response of $ThSiO_4$ and monazite to natural irradiation *Eur. J. Miner.*, 19, 7-14.
40. Andrut, M., Wildner, M., **Ingrin, J.**, Beran, A. (2007) – Mechanisms of OH defect incorporation in naturally occurring, hydrothermally formed diopside and jadeite – *Phys. Chem. Mineralsl*, 34, 543-549.
41. Desbois, G., **Ingrin, J.** (2007) Anisotropy of hydrogen diffusion in tourmaline *Geochim. Cosmochim. Acta*, 71,5233-5243.
42. Balan, E., Refson, K., Blanchard, M., Delattre, S., Lazzeri, M., **Ingrin, J.**, Mauri, F., Wright, K., Winkler, B. (2008) Theoretical infrared absorption coefficient of OH groups in Minerals. *Amer. Min.*, 93, 950-954.
43. Falus G., Tommasi A., **Ingrin J.**, Szabo C. (2008) Deformation and seismic anisotropy of the lithospheric mantle in the southeastern Carpathians inferred from the study of mantle xenoliths. *Earth and Planetary Science Letter*, 271, 50-64.
44. Balan, E., **Ingrin, J.**, Delattre, M, Kovacs, I., Blanchard, M., (2011) Theoretical infrared spectrum of OH –defects in forsterite. *Eur. J. Miner.*, DOI: 10.1127/0935-1221/2011/0023-2090.
45. Balan, E., Blanchard, M., Haohao, Y., **Ingrin, J.** (2013) Theoretical study of OH –defects in pure enstatite. *Phys. Chem. Minerals*, 40, 41-50 DOI: 10.1007/s00269-012-0544-6.
46. **Ingrin, J**., Liu, J., Depecker, C., Kohn, D., Balan, E., Grant, K.J., (2013) Low-temperature evolution of OH bands in synthetic forsterite, implication for the nature of OH defects in olivine. *Phys. Chem. Minerals*, 40, 499-510 doi:10.1007/s00269-013-0587-3
47. Balan, E., Blanchard, M., Lazzeri, M., **Ingrin, J.** (2014) Contribution of interstitial OH groups to the incorporation of water in forsterite. *Phys. Chem. Minerals*. 41, 105-114. DOI 10.1007/s00269-013-0628-y
48. Crépisson, C., Bureau, H., Blanchard, M., **Ingrin, J.**, Balan, E., (2014) Theoretical infrared spectrum of partially protonated cationic vacancies in forsterite. *Eur. J. Miner.* 26, 203-210. *DOI 10.1127/0935-1221/2014/0026-2366*
49. **Ingrin, J**., Kovacs, I., Deloule, E., Balan, E., Blanchard, M., Kohn, S., Hermann, J. (2014) Identification of hydrogen defects linked to Boron substitution in synthetic forsterite and natural olivine. *Amer. Min.* 99, 2138-2141. DOI: http://dx.doi.org/10.2138/am-2014-5049
50. Chen Huan, Qun-Ke Xia, **Jannick Ingrin**, Zubing Jia, Min Feng, (2015) Changing recycled oceanic components in the mantle source of the Shuangliao Cenozoic basalts, NE China: new constraints from water content. *Tectonophysics*. 650, 113-123. http://dx.doi.org/10.1016/j.tecto.2014.07.022
51. Liu Jia, Qun-Ke, Xia, Etienne Deloule, **Jannick Ingrin**, Huan Chen, Min Feng (2015) Water content and oxygen isotopic composition of alkali basalts from the Taihang Mountains, China: recycled oceanic components in the mantle source. *Journal of Petrology*. 56, 681-702. http://doi.org/ 10.1093/petrology/egv013
52. Zhang, P., **Ingrin, J.**, Depecker, C., Xia, Q-K. (2015) Kinetics of deuteration in andradite. *Amer. Min.* 100, 1400-1410. DOI: http://dx.doi.org/10.2138/am-2015-5149
53. Blanchard, M., Bureau, H., Balan, E., Sanloup, C., **Ingrin, J**., Raepsaet, C. and Khodja, H. (2014) Où et sous quelle forme l'eau peut-elle se trouver à l'intérieur de la Terre ? 2014 Année Internationale de la Cristallographie *CNRS Diaporama http://www.insu.cnrs.fr/www/blanchard/#/1/*

54. Chen Huan, Qun-Ke Xia, **J. Ingrin**, (2015) Water content of the Xiaogulihe ultrapotassic volcanic rocks, NE China: implications for the source of the potassium-rich component. *Science Bulletin*. 60, 1468-1470. *http://link.springer.com/article/10.1007/s11434-015-0862-4*
55. Duran Charley J., Anne-Magali Seydoux-Guillaume, Bernard Bingen, Sophie Gouy, Philippe de Parseval, **J. Ingrin**, and Damien Guillaume, (2016) Fluid-mediated alteration of (Y,REE,U,Th)–(Nb,Ta,Ti) oxide minerals in granitic pegmatite from the Evje-Iveland district, southern Norway. *Mineralogy and Petrology.* 110, 1-19. *http://link.springer.com/article/10.1007/s00710-016-0436-4*
56. Gu Xiaoyan, Deloule, E., France L., **Ingrin, J.** (2016) Multi-stage metasomatism revealed by trace element and Li isotope distributions in minerals of peridotite xenoliths from Allègre volcano (French Massif Central). *Lithos*. 264, 158-174. *http://dx.doi.org/10.1016/j.lithos.2016.07.019*
57. Tian Zhen-Zhen, Liu Jia, Xia Qun-Ke, **Ingrin J.**, Hao Yan-Tao, Depecker, C. (2017) Water concentration profiles in natural mantle orthopyroxenes: a geothermometer for long annealing of xenoliths within magma. *Geology,* 45, 87-90. http://dx.doi.org/10.1130/G38620.1
58. Balan, E., Blanchard, M., Lazzeri, M., **Ingrin, J.** (2017) Theoretical Raman spectrum and anharmonicity of tetrahedral OH defects in hydrous forsterite. *Eur. J. Miner*. 29, 201-212. https://doi.org/10.1127/ejm/2017/0029-2599
59. Blanchard, M., **Ingrin, J**., Balan, E., Kovacs, I., Withers, A.C. (2017) Effect of iron. And trivalent cations on OH-defects in olivine. Amer. Min. 102, 302-311. http://dx.doi.org/10.2138/am-2017-5777
60. Chen Huan, Qun-Ke Xia, **J. Ingrin**, Etienne Deloule, (2017) Heterogeneous source components of intraplate basalts from NE China induced by the ongoing Pacific slab subduction. *Earth Planet. Sci. Letters., 459, 208-220*. *http://www.sciencedirect.com/science/article/pii/S0012821X16306641*
61. Chen Huan, Qun-Ke Xia, Etienne Deloule, **J. Ingrin** (2017) Typical Oxygen Isotope Profile of Altered Oceanic Crust Recorded in Continental Intraplate Basalts. *J. earth. Sci. Letters., 28, 4, 578-587. DOI: 10.1007/s12583-017-0798-5*
62. Gu, Xiaoyan, **J. Ingrin**, Etienne Deloule, Lydéric France, Qunke Xia (2018) Metasomatism in the sub-continental lithospheric mantle beneath the South French Massif Central: Constraints from trace elements, Li and H in peridotite minerals. *Chemical Geology. 478, 2-17.* https://doi.org/10.1016/j.chemgeo.2017.08.006
63. Roskosz, M., Deloule, E., **Ingrin, J**. Depecker, C., Laporte, D., Merkel, S., Remusat, L., Leroux, H. (2018) Kinetic D/H fractionation during hydration and dehydration of silicate glasses, melts and nominally anhydrous minerals. Geochimica Cosmochimiqua Acta. 233, 14-32. https://doi.org/10.1016/j.gca.2018.04.027
64. Yang, Y., **Ingrin, J**., Xia, Q-K Liu, W. (2019) Nature of hydrogen defects in clinopyroxenes from room temperature up to 1000 °C: Implication for the preservation of hydrogen in the upper mantle and impact on electrical conductivity. *Amer. Min. 104, 79-93*. https://doi.org/10.2138/am-2019-6661

65. Patkó, L., Liptai, N., Kovács I.J., Aradi, L.E., Xia Q-K., **Ingrin, J.**, Mihály, J., O'Reilly, S.Y., Griffin, W.L., Wesztergom, V., Szabó, C. (2019) Extremely low structural hydroxyl contents in upper mantle xenoliths from the Nógrád-Gömör Volcanic Field (northern Pannonian Basin): Geodynamic implications and the role of post-eruptive re-equilibration**.** *Chemical Geology. 507, 23-41.* **https://doi.org/10.1016/j.chemgeo.2018.12.017**

Thèses et Rapports de Stage

1. Ingrin J. (1985) : Microscopie électronique en transmission de géomatériaux. I Volcanisme: Produits pyroclastiques des Antilles. II Métamorphisme: Coesite dans un quartzite Alpin. **Thèse 3ème cycle**, Paris VII.
2. Macarinelli D. (1989) : "Etude en microscopie électronique de la décomposition de l'amphibole en pyroxène". **Stage de DEA** Sciences des matériaux, Lille.
3. Li Feng, (1990) : "Déformation des grenats à haute température, comparaison avec la déformation de la structure spinelle". **Stage de DEA** Sciences des matériaux, Lille.
4. Ingrin J. (1992) : Propriétées Physico-Chimique du Diopside: Déformation, Défauts OH^-, Préfusion et Fusion Précoce. **Thèse d'habilitation à diriger les recherches**, Université de Lille-Flandres-Artois, 214pp.
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85. BLANCHARD M., J. INGRIN (2002): Hydrogen diffusion in garnet. 2nd European "hydrospec" workshop, 23rd to 25th September, 2002, Vienna.
86. RICHARD CM., MONNEREAU M. and J. INGRIN, (2002): Mantle Dynamics and Water Content of the Earth's Mantle Transition Zone. AGU, **EOS, 83**(47), 1393.
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88. GRANT K. and J. INGRIN, (2003): The equilibrium partitioning of hydrogen between cpx, opx, olivine and garnet in mantle-derived lherzolite xenoliths. EGU, Nice.
89. KURKA, A., BLANCHARD M. and J. INGRIN, (2003): Hydrogen extraction experiments on grossular. EGU, Nice.
90. INGRIN, J., DELOULE, E. and J.W. VALLEY, (2003): Measurement of natural anisotropic diffusion profiles of 18O in Adirondack diopsides: Preliminary data. EGU, Nice.
91. FOUCARD, F., JAOUL O. and J. INGRIN, (2003): Experimental deformation of omphacite during its retromorphic destabilization. EGU, Nice.
92. RICHARD CM., MONNEREAU M., Y. RICARD and J. INGRIN, (2003): Water percolation in the upper lower mantle: A way to fill the Earth's mantle transition zone. EGU, Nice.
93. HERTWECK B. and INGRIN J. (2003) - Synthesis of hydrous Ge-spinel, Hydrospec workshop, Bristol 10-14 septembre 2003.

94. KURKA, A., BLANCHARD M. and INGRIN J. (2003) – hydrogen mobility in grossular, Hydrospec workshop, Bristol 10-14 septembre 2003.

95. BLANCHARD M. and INGRIN J. (2003) – Hydrogen diffusion in pyropes, Bristol 10-14 septembre 2003.
96. INGRIN J. (2004) – Hydrogène et minéraux anhydres dans le manteau terrestre, Mineral Physics : A scientific meeting in honor of Jean Paul Poirier. IPG Paris 26 mars 2004.
97. HERTWECK B. and INGRIN J. (2004) – Hydrogen incorporation in Mg_2GeO_4 spinel, Goldschmidt Conference, Copenhague 6-12 juin 2004.
98. KURKA, A., INGRIN J., FORNERIS J. F. and H. SKOGBY (2004) – Hydrogen mobility in grossular-andradite solid solution, Goldschmidt Conference, Copenhague 6-12 juin 2004.
99. KURKA, A., INGRIN J., FORNERIS J. F. and H. SKOGBY (2004) – Hydrogen mobility in grossular-andradite solid solution, 4th Hydrospec Workshop, Stokholm 14-18 juin 2004.
100. HERTWECK B. and INGRIN J. (2004) – Hydrogen incorporation in Mg_2GeO_4 spinel, 4th Hydrospec Workshop, Stokholm 14-18 juin 2004.
101. INGRIN J. (2004) – Hydrogen diffusion in Minerals, 4th Hydrospec Workshop, Stokholm 14-18 juin 2004.
102. INGRIN J. (2004) – The hydrous component and deformation of the upper Mantle and transition zone in Rock deformation : Role of water in rock deformation. Gordon Research Conference, Mount Holyoke MA, USA. 8-13 août 2004. (invited talk)
103. INGRIN J., KURKA, A., BLANCHARD, M., FORNERIS J. F. and H. SKOGBY (2004) – Hydrogen defects in Garnet and kinetics data. Conference on « Proton-mediated interactions in minerals », University of manchester. 13-14 septembre 2004. (invited talk).
104. HERTWECK B. and INGRIN J. (2004) – Hydrogen incorporation in Mg_2GeO_4 spinel, Conference on « Proton-mediated interactions in minerals », University of Manchester. 13-14 septembre 2004.
105. INGRIN J. (2004) – Modélisation des liaisons OH dans les minéraux du manteau terrestre : Exemples et questions en suspend… in : « Modélisation des minéraux et des processus géochimiques à l'échelle atomique » Journée de prospective de la Société Française de Minéralogie et de Cristallographie, 22 Sept., Paris.
106. INGRIN J. (2004) – Hydrogène et minéraux anhydres dans le manteau terrestre. Séminaire OPGC, 19 Oct., Clermont - Ferrand. (invited talk)
107. INGRIN J. (2004) – Micro-Spectroscopie Infrarouge : Expérimentation en Sciences de la Terre, 22-24 Nov., Baynuls. (invited talk)
108. Hertweck B. and **Ingrin J**. (2005) – Hydrogen incorporation in ringwoodite analogue : Mg_2GeO_4 spinel, EGU, Vienne 24-29 avril 2005.
109. Desbois G, **Ingrin J**., E. Deloule and J.W. Valley (2005) – New constraints on metamorphic history of Adirondack's diopsides (NY,USA): Modeling of Al and ^{18}O diffusion profiles, EGU, Vienne 24-29 avril 2005.
110. Kurka A and Ingrin J. (2005) – OH-redistribution in andradite and grossular studied by FTIR spectroscopy, EGU, Vienne 24-29 avril 2005.
111. Jaoul O., **Ingrin J**, F. Béjina (2005) – Diffusion atomique, journée de la Société Française de Minéralogie et Cristallographie : Diffusion dans les matériaux, Paris, 24 juin 2005.
112. **Ingrin J** and K. Grant (2006) – H profiles in mantle xenoliths: constraints from diffusion data, Goldschmidt Conference, Melbourne 27-1 september 2006.
113. **Ingrin J**, Kurka A, Blanchard M, Forneris J and H. Skogby (2006) – Hydrogen diffusion in garnet : a summary, International Mineralogical Meeting, Kobe 23-29 July 2006.
114. **Ingrin J** , Bejina F and O. Jaoul (2006) – Isotropic diffusion of oxygen in olivine, EMPG XI, Bristol 10-13 september 2006. (Convener of the session)
115. Desbois G and **Ingrin J.** (2006) Anisotropy of hydrogen diffusion in tourmaline, EMPG XI, Bristol 10-13 september 2006.
116. **Ingrin J** and M. Blanchard (2006) – Diffusion of hydrogen in minerals. In Water in Nominally Anhydrous Minerals MSA/GS Short Course, Verbania. 1-4 october 2006. (invited talk)

117. Gasc J, Bejina F and **Ingrin J**. (2006) – Magnesium diffusion in diopside, EMPG XI, Bristol 10-13 september 2006.
118. **Ingrin J**. and A, Ferot (2007) – Isotopic diffusion of hydrogen in Fo-rich olivine, First EuroMinSci meeting, La Colle sur Loup 26-29 Mars 2007.
119. **Ingrin J**. (2007) – Anisotropie de diffusion de l'hydrogène dans l'olivine et conductivité électrique, Journée « Une terre anisotrope » IPGP, 13 Mars 2007. (Invited)
120. **Ingrin J**. (2007) – Données de diffusion et géodynamique, Colloque prospectives SEDIT – INSU, 8-9 Mars 2007, Lyon.
121. **Ingrin J**. and A, Ferot (2007) – Mechanisms of hydrogen diffusion in olivine : new data and perspectives, « Frontiere », 25-28 June 2007, Cambridge.
122. **Ingrin J**. (2007) – Volatiles in olivine and pyroxenes and implications for the upper mantle, « Frontiere », invited talk, 25-28 June 2007, Cambridge. (Invited)
123. **Ingrin J**. and A, Ferot (2007) – Hydrogen diffusion in olivine : Implication for point defects models in olivine, AGU Mai 2007, Acapulco.
124. **Ingrin J**. (2007) – Hydrogen in upper mantle olivine and pyroxenes, Seminar at the Depart of applied Geology, Curtin University, Perth, 14 nov 2007. (Invited)
125. **Ingrin J**. (2008) – Synchrotron FTIR analysis in Earth Sciences, 1st Spanish Workshop on Synchrotron IR microscopy, invited talk, Madrid, 14-15 april 2008. (Invited)
126. **Ingrin J**. and A. Ferot (2008) Results of H-D exchange experiments in forsterite EGU, Vienne 14-18 avril 2008.
127. **Ingrin J**. (2008) – L'eau dans les olivines et les pyroxènes du manteau supérieur, Séminaire, Journée Scientifique LMTG, 13 février 2008.
128. **Ingrin J**. (2008) – Mesure expérimentale des coefficients de diffusion de l'hydrogène dans les minéraux anhydres et les phases hydratées, Séminaire, Journée Scientifique LMTG, 13 février 2008.
129. **Ingrin J**. (2008) – Hydrogen in olivine and pyroxenes from the upper mantle, Seminar at the University of Science and Technology of China, Hefei, 4th june 2008. (Invited)
130. **Ingrin J**. (2008) – Synchrotron FTIR analysis in Earth and Planetary Sciences, Seminar at the University of Science and Technology of China, Hefei, 4th june 2008. (Invited)
131. **Ingrin J**. (2008) – Utilisation de l'analyse infrarouge en sciences de la Terre, Séminaire à l'université de Clermont-Ferrand, LMV, 25 juin 2008. (Invited)
132. **Ingrin J** and S.C. Kohn (2008) – Water diffusion in forsterite, Goldschmidt Conference, Vancouver 27-1 July 2008, Geochimica Cosmochimica Acta, 72, A409.
133. **Ingrin J** and D. Sicard (2008) – Hydrogen diffusion in apatite measured from H-D exchange experiments, Final EuroMinSci ESF meeting 24-26 Nov. 2008, Obernai.
134. **Ingrin J.,** Béjina F., Liebermann R.C., Durham W., Guéguen,Y., Mainprice D., (2009) « In appréciation of Olivier Jaoul », Phys. Earth Planet. Int., 172, 1-2.
135. **Ingrin J**. (2010) – Effet de l'hydrogène sur les propriétés de diffusion et conductivité de l'olivine : Mythe ou réalité ? Séminaire invité, Journée Scientifique du LPES Lille, 5 Janvier 2010. (Invited)
136. **Ingrin J**. and M. Grégoire (2010) Water partitioning in spinel and garnet lherzolites xenoliths from the same kimberlite pipe (Premier Mine, Kaapvaal, South Africa) EGU, Vienne 3-7 mai 2010. Co-convener of the session)
137. Bystricky M., Béjina F. and **Ingrin J.** (2010) Experimental déformation of polyphasé aggregates at pressure and températures of the upper mantle, EMPG, Toulouse 11-14 Avril 2010.
138. **Ingrin J.** (2010) Effect of hydrogen on atomic diffusion in olivine : A critical review, EMPG, Toulouse 11-14 Avril 2010.
139. Kovács, I., Hidas, K., Dégi, J., **Ingrin, J.,** Hermann, J., Falus, Gy. (2010) Towards a protocol for quantitative micro-FTIR measurements of water in the nominally anhydrous minerals of the upper mantle, International Mineralogical Meeting, Budapest 21-27 August 2010. (Convener of the session)
140. Kovács, I., Falus, Gy., Hidas, K., Szabó, Cs., **Ingrin, J.** (2010) Water concentrations in the lithosphere from three different tectonic settings of the Carpathian-Pannonian région, International Mineralogical Meeting, Budapest 21-27 August 2010. (Convener of the session)

141. **Ingrin, J.**, Calvot, G., Condamine, P. & Sicard, D. (2010) Isotopic diffusion of hydrogen in apatite, International Mineralogical Meeting, Budapest 21-27 August 2010. (Convener of the session)
142. Duran, C., Seydoux-Guillaume, AM., Bingen, B., De Parseval, P., **Ingrin, J.** (2010) Water concentrations in the lithosphere from three different tectonic settings of the Carpathian-Pannonian région, International Mineralogical Meeting, Budapest 21-27 August 2010.
143. **Ingrin, J** Situer la bibliométrie dans le contexte de l'évaluation globale : AERES, CNRS… Journée de formation ANGD Bibliométrie, 22Juin 2010, Jussieu. (Invited)
144. **Ingrin, J.**, Liu, J., Xia, Q., Deloule, E., Gregoire, M. (2011) Evolution of water content of deep-crust along Earth's history : the example of Kerguelen Islands, International Conference on Craton formation and destruction, Beijing, 25-29 April 2011.
145. Deloule, E., **Ingrin, J.**, Xia, Q., Gregoire, M. (2011) Tracing the crustal Under platting procès with Li and Li isotopes distributuions in granulite : the case of Kerguelen plateau, International Conference on Craton formation and destruction, Beijing, 25-29 April 2011.
146. **Ingrin, J.**, Liu, J., Xia, Q., Deloule, E., Gregoire, M. (2011) Project : évolution of water content of deep-crust along Earth's history. First résults : the granulites of Kerguelen Islands. Séminaire à l'USTC, Hefei, 2 Mai, 2011.
147. Deloule, E., **Ingrin, J.**, Xia, Q., Gregoire, M. (2011) Li content and isotropic distributions in granulite of Kerguelen plateau, Goldschmidt conference, Prague, August 2011.
148. **Ingrin, J.**, Liu, J., Xia, Q., Deloule, E., Gregoire, M. (2011) Water content of lithosphères deduced from xenoliths : the eample of Kerguelen Islands and South African craton, Goldschmidt conference, Prague, August 2011.
149. Vigouroux, E., **Ingrin, J.**, Bolfan-Casanova, N., Frost, D. (2011) FTIR study of OH-OD exchange in Fe-free ringwoodite-wadsleyite samples, Goldschmidt conference, Prague, August 2011.
150. Duran, C., Seydoux-Guillaume, AM., Bingen, B., de Parseval Ph., Guillaume, D., Bosse, V., Paquette, JL., **Ingrin, J.** (2011) Fluid-mediated re-equilibration and self-irradiation in complex euxenite-zircon assemblages of pegmatites from South Norway ; implications for U-Pb geochronology, DGK-DMG-OMG joint meeting, 20-24 Sept. Salzburg Austria.
151. **Ingrin, J.**, Liu, J., Balan, E., Kohn, S., Kovacs I. (2011) What types of H defects control really the storage capacity of water in olivine and how to reconcile observations, experiments and computational results? 4-9 Dec 2011, AGU Fall meeting.
152. Béjina, F., Bystricky, M., **Ingrin, J.** (2011) Experimental deformation of polyphase aggregates at pressures and temperatures of the upper mantle. 4-9 Dec 2011, AGU Fall meeting.
153. **Ingrin, J.**, Liu, J., Kohn, SC., Grant KJ. (2012) Low-temperature evolution of OH bands in forsterite. 4-7 March 2012, EMPG XIV, Kiel.
154. Zhang P., **Ingrin, J.**, Xia Q. (2012) Kinetics of hydrogen deuteration in zircon. 4-7 March 2012, EMPG XIV, Kiel.
155. Udvardi B., Pinter Z, Kovacs I, Hidas K, Kutassy Zeley T, L, Falus G, Lendvay P, Fancsik T, Szabo C, Gal T, Mihali J, Nemeth C, **Ingrin J**, Xia Q, Hermann (2012) A comprehensive infrared database to recognize the water content of minerals: Pannon Uniform Lithospheric Infrared spectral Database (PULI), 19-21 April 2012. Joint MSCC & CEMC conference, Miskolc, Hungary.
156. **Ingrin, J.** (2012) H defects in olivine: What we really know and what are the implications for estimating the water content of the upper mantle. 12-17 August 2012, AOGS-AGU 2012, Singapor.
157. Udvardi B., Kovacs I, Pinter Z, Hidas K, Kutassy L, Falus G, Lendvay P, Zelei T, Fancsik T, Gal T, Mihali J, Nemeth C, **Ingrin J**, Xia Q, Hermann J, Perucchi A, Vaccari L, Szabo C (2012) The water content of olivines: Pannon Uniform Lithospheric Infrared spectral Database (PULI), 2-7 Sept 2012. EMC2, Frankfurt.

158. **Ingrin, J.** (2012) Measurement by FTIR of water content of mantle minerals and its significance. 22-24 September 2012 Annual Conference on Mineralogy, Petrology and Geochemistry, Lanzhou, China. (Invited talk)
159. Zhang, P., **Ingrin, J.**, Xia, Q. (2012) Kinetics of hydrogen diffusion in Zircon. 22-24 September 2012 Annual Conference on Mineralogy, Petrology and Geochemistry, Lanzhou, China.
160. Vigouroux, E., **Ingrin, J.,** Bolfan-Casanova, N., Frost, D. (2012) Hydrogen mobility in Wadsleyite at low temperatures, 2-7 Dec 2012, AGU Fall meeting.
161. **Ingrin, J.** (2012) H defects in forsterite and olivine: A critical review, 2-7 Dec 2012, AGU Fall meeting (Video: http://www.youtube.com/watch?feature=player_embedded&v=LiYdq_tpASk#!).
162. Béjina, F., Bystricky M., **Ingrin, J.** (2012) Deformation of polyphase aggregates, forsterite+MgO, at pressure and temperature of the Earth's upper mantle, 2-7 Dec 2012, AGU Fall meeting.
163. **Ingrin, J.** (2013) Mechanisms and kinetics of hydrogen exchange in olivine: A review from experimental and computational studies, 25-26 Aug 2013, Goldschmidt conference, Firenze. (keynote talk)
164. Vigouroux, E., **Ingrin, J.,** Depecker C, Bolfan-Casanova, N., Frost, D. (2013) Hydrogen mobility in Wadsleyite at low temperatures, 225-26 Aug 2013, Goldschmidt conference, Firenze.
165. Seydoux-Guillaume AM, Bingen B, Duran C, Bosse V, Paquette JL, Guillaume D, de Parseval Ph, **Ingrin, J.** (2013) Fluid-mediated re-equilibration and self-irradiation in complex U-Th-rich assemblages of pegmatites: a case from Norway and implications for U-Th-Pb dating of ore deposits, 225-26 Aug 2013, Goldschmidt conference, Firenze.
166. **Ingrin, J.** (2013) H defects in forsterite and olivine: A critical analysis from infrared spectroscopy, 16 Jul 2013, Geological and Geophysical Institute of Hungary, Budapest, Hungary. (Seminar)
167. Kovacs I et al., (2014) A Protocol, a standard and a (PULI) database for quantitative micro-FTIR measurements of water in nominally anhydrous minerals: an update, EGU, Vienne 27 April - 2 mai 2014
168. Gu Xiaoyan et al., (2014) Major elements composition, Li distribution and isotopic composition in peridotite xenoliths from Allegre and Mont Coupet (French Massif Central) EGU, Vienne 27 April - 2 mai 2014
169. **Ingrin, J.**, Kovács, I., Deloule, E., Balan, E., Kohn, S. and Hermann, J. (2014) Identification of Hydrogen defects linked to boron substitution in forsterite and olivine, IMA, Johannesburg, 1st – 5th September 2014. (Oral)
170. **Ingrin, J.**, Vigouroux, E., Bolfan-Casanova, N. and Frost, D. (2014) H diffusion in wadsleyite and water content of the Transition Zone, AOGS-AGU, Sapporo, 31st July – 4th August 2014. (Oral)
171. Béjina, F., Bystricky, M., **J. Ingrin**, Wang, L. (2014) Deformation of polyphased aggregates, forsterite+MgO, at high pressures and températures, EHPRG, Lyon, France, 7-12th September 2014.
172. **Ingrin, J.**, Blanchard, M., Balan, E., Kovács (2015) Effect of Fe on the nature of OH-defects in Olivine, 16-20 Aug 2015, Goldschmidt conference, Prague (Session convener, Poster)
173. **Ingrin, J.** (2015) European Commission Funding opportunities for students, postdocs and early-career scientists, 16-20 Aug 2015, Goldschmidt conference, Prague (Oral, Invited)
174. Liu, J**., Chen, H., Xia Q., Ingrin, J.** (2015) Magma water content of the Cenozoic basalts in the North China Craton, 16-20 Aug 2015, Goldschmidt conference, Prague (Poster)
175. Gu, X**.,** Deloule, E., France L., **Ingrin, J.** (2015) The two-stage melt metasomatism revealed by lithium isotopes distribution in péridotite xenoliths from Allegre (French Massif Central), 16-20 Aug 2015, Goldschmidt conference, Prague (Oral)
176. **Ingrin, J** « L'eau dans l'olivine du manteau supérieur : Bilan et nouveaux apports de la spectrocopie couplée à la modélisation numérique » CRPG Nancy, 26 mars 2015.

177. **Ingrin, J.**, Zhang, P., Xia, Q. (2015) Diffusion of hydrogen in zircon, ECMS, 9-11 Sept. 2015, Roma. (Oral)
178. **Ingrin, J.**, Zhang, P. (2016) Hydrogen diffusion in Zircon. EGU, Vienne 17 April - 22 April 2016. (Poster, session convener)
179. **Ingrin, J.**, (2016) Practical tips for applying to the EU Marie Skłodowska-Curie Individual Fellowships program EGU 17 April - 22 April 2016. (oral presentation and session organizer)
180. Chen, H., Xia, Q., **Ingrin, J.**, Deloule, E. (2016) Heterogeneous source components of intraplate basalts from NE China induced by the ongoing Pacific slab subduction. EGU, Vienne 17 April - 22 April 2016.
181. Blanchard, M., **Ingrin, J.**, Balan, E., Istvan, K., Withers, A.C. (2016) Effect of iron and trivalent cations on OH-defects in olivine. 26-30 Jun 2016, Goldschmidt conference, Yokohama. (Oral, Session co-convener)
182. Chen, H., Xia, Q., **Ingrin, J.**, Deloule, E. (2016) Temporal and spatial variation of source components from intraplate basalts from North China. 26-30 Jun 2016, Goldschmidt conference, Yokohama.
183. Roskosz, M., Laporte, D., Deloule, E., **Ingrin, J.**, Remusat, L., Depecker, C., Leroux, H. (2016) Diffusion-driven D/H fractionation in silicates during hydration, dehydration and degassing. 26-30 Jun 2016, Goldschmidt conference, Yokohama.
184. Béjina, F., Bystricky, M., **Ingrin, J**., Wang, L. (2016) Deformation of polyphasé aggregates, forsterite+MgO, at High pressures and températures. EHPRG 2016 meeting, Bayreuth, 4-9 Sept. 2016.
185. Blanchard, M., **Ingrin, J.,** Balan, E., Kovács, I., & Withers, A.C. (2016) Effect of iron and trivalent cations on OH-defects in olivine. EMC2016, Rimini, 11 -15 september 2016.
186. **Ingrin, J.** (2016) A critical review of hydrogen speciation in olivine and its implications. Workshop on Distribution and Effect of Volatiles in Deep Earth. Workshop, 20-21 octobre 2016, Zejiang University, Hanzhou, China. (Invited talk).
187. **Ingrin, J.** (2016) Water concentration profiles in opx of xenoliths from Tianchang volcano (East China): Origin and implications. Séminaire, 15 Décembre 2016, Natural History Museum of Sweden, Stockholm (Invited Seminar).
188. **Ingrin, J.** (2017) Déterminer la teneur en eau du manteau terrestre à partir de la measure des «OH dans les minéraux: Callenges, méthodes et perspectives. Séminaire, 31 Janvier 2017, CREE Cavaillon, France (Invited Seminar).
189. **Ingrin, J.**, (2017) Practical tips for applying to the EU Marie Skłodowska-Curie Individual Fellowships program EGU 23 April - 28 April 2016. (oral presentation and session organizer)
190. Mathieu Rozkosz, Didier Laporte, Etienne Deloule, **J. Ingrin,** Laurent Remusat Christophe Depecker, Hugues Leroux (2017) Diffusion-driven D/H fractionation in silicates during hydration, dehydration and degassing. 13-18 Aug. 2017, Goldschmidt conference, Paris. (Poster)
191. Liu Jia, Xia Qun-Ke, **Ingrin, J.**, Hao Yan-Tao (2017) Do we really know when water profiles are produced in xenoliths? Example of xenoliths from Tianchang volcano (East China). 13-18 Aug. 2017, Goldschmidt conference, Paris. (oral presentation)
192. **Ingrin, J.**, (2017) Meet your Funding Agency Representative and Learn about Funding Opportunities 13-18 Aug. 2017, Goldschmidt conference, Paris. (oral presentation, invitation)
193. **Ingrin, J.** (2018) Water concentration in lithospheric mantle : The tale of xenoliths. 14 mai 2018, School of Earth Sciences, Zejiang University, Hanzhou, China. (Seminar).
194. Chen, H., **Ingrin, J.**, Xia, Q.-K., Deloule, E., Gu, X.-Y., Bi, Y. (2018) Influence of the recycled oceanic crust on the intraplate basalts in southern Massif Central, France: constraints from in-situ oxygen isotope composition and water content. 3rd Europen Mantle Workshop, 26 – 28th June, Pavia. (poster)
195. Patkó, L., Liptai, N., Kovacs I.J., Aradi L.E., Xia Q-K., **Ingrin, J.**, Mihaly, J., O'Reilly, S.Y., Griffin, W.L., Wesztergom, V., Szabo, C. (2018) Lower water content in upper mantle xenoliths from the Nógrád-Gömör volcanic field (Northern Pannonian Basin): Geodynamic implications

and the role of post-eruptive water loss. 3rd Europen Mantle Workshop, 26 – 28th June, Pavia. (oral)

196. **Ingrin, J.**, (2018) Results of experimental tests of OH preservation in mantle xenoliths: Example from Allègre volcano samples (Massif Central, France), IMA, Melbourne, 13st – 17th August 2018. (Oral)
197. **Ingrin, J.**, (2018) Do mantle xenoliths preserve deep OH signatures? Evidences from field and experiments, AGU, Washington, 10th – 14th December 2018. (Oral)
198. **Ingrin, J.**, Azevedo-Vannson, S., France, L. (2019) Identification of two distinct OH infrared signatures in pyroxenes from pyroxenite xenoliths EGU 7 April - 12 April 2019. (oral presentation)
199. Thomaidis, K., **Ingrin, J.**, Hirel, P. (2019) Do mantle xenoliths preserve water signature from the lithospheric mantle and how? EGU 7 April - 12 April 2019. (poster presentation)
200. **Ingrin, J.**, Walter, S. (2019) Practical tips for applying to the EU Marie Skłodowska-Curie Individual Fellowships program EGU 7 April - 12 April 2019. (oral presentation and session organizer)
201. **Ingrin, J.**, (2019) EU policy in term of Marie Skłodowska-Curie evaluation. EGU 7 April - 12 April 2019. (invited oral presentation)
202. Patkó L., N. Liptai, I.J., Kovacs, L.E. Aradi, Q-K Xia, **J. Ingrin**, J. Mihaly, S. O'Reilly, W. Griffin, V. Westergom, C. Szabo (2019) Extremely low structural hydroxyl contents in upper mantle xenoliths from the Nógrád-Gömör Volcanic Field (northern Pannonian Basin) 18-23 Aug. 2019, Goldschmidt conference, Barcelona. (Oral)
203. **Ingrin, J.**, Azevedo-Vannson, S., France, L. (2019) Specific OH infrared signatures in pyroxenes from mantle xenoliths: characteristics and possible bands assignments 9th European Conference on Mineralogy and Spectroscopy (ECMS), Prague, 11 September - 13 September 2019. (oral presentation)