

Publication Eric HITT

Publications

- [1] **A. Noël, G. Van Soen, I. Rouaud, E. Hitti, S. Tomasi**, « Optimization of cytotoxic activity of *Nocardia* sp culture broths using a design of experiments », Plos One, Public Library of Science, 2020, 15 (1), pp.e0227816.
- [2] **Giulio Gambarota, Eric Hitti, Benjamin Leporq, Hervé Saint-Jalmes, Olivier Beuf**. Eliminating the blood-flow confounding effect in intravoxel incoherent motion (IVIM) using the non-negative least square analysis in liver. *Magnetic Resonance in Medicine*, Wiley, 2017, 77 (1), pp.310-317
- [3] **A Noël, G Van Soen, I Rouaud, S Ferron, E Hitti, S Tomasi**. Statistical optimization of production and isolation of cytotoxic compound from *Nocardia ignorata*. *Planta Medica* 81 (S 01), P612, 2016
- [4] **Eric Hitti, Béatrice Legouin, Jérôme Graton, Denis Jacquemind and Philippe Uriac**. 1H NMR and computational studies of the conformations in solution of one host/guest complex formed with an usnic acid tweezer and 2,4,7-trinitro-9-fluorenone (TNF). *Tetrahedron* 72 (22), 2890-2894, 2 june 2016
- [5] **Roberto Salvati; Eric Hitti; Jean-Jacques Bellanger; Hervé Saint-Jalmes; Giulio Gambarota** Fat ViP MRI: Virtual Magnetic Resonance Imaging of water-fat systems, *Magnetic Resonance Imaging*, 34 (5), 617-623, 2016.
- [6] **Delphine Parrot, Tiphaine Peresse, Eric Hitti, Daniel Carrie, Martin Grube, Sophie Tomasi**. Qualitative and Spatial Metabolite Profiling of Lichens by a LC–MS Approach Combined With Optimised Extraction, *Phytochemical Analysis*, Volume:36 Issue:1 Pages : 23-33, 2015 Jan
- [7] **Marchand AJ, Hitti E, Monge F, Saint-Jalmes H, Guillin R, Duvauferrier R, Gambarota G**. MRI quantification of diffusion and perfusion in bone marrow by intravoxel incoherent motion (IVIM) and non-negative least square (NNLS) analysis. *Magn Reson Imaging*. Volume: 32 Issue: 9 Pages: 1091-1096; 2014 Nov.
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- [9] **Joe Sarkis, Jean-François Hubert, Baptiste Legrand, Estelle Robert, Angélique Chéron, Julien Jardin, Eric Hitti, Elisabeth Le Rumeur, Véronique Vié**. Spectrin-like Repeats 11-15 of Human Dystrophin Show Adaptations to a Lipidic Environment. *The Journal of Biological Chemistry*. Vol 286(35):30481-91 ; 2011 Sep
- [10] **Joe Sarkis, Jean-François Hubert, Baptiste Legrand, Estelle Robert, Didier Dupont, Julien Jardin, Eric Hitti, Elisabeth Le Rumeur, Véronique Vié**. Human Dystrophin Rod 11-15 Sub-Domain: A Membrane Interacting Zone Modulated by Lipid Packing, *Biophysical Journal*, Vol. 100, Issue 3, p508a, February 02 2011

- [11] **Coatrieux JL, Hitti E, Toumoulin C.** TecSan: A decisive step towards an industrial policy. IRBM Ingénierie et Recherche Biomédicale. 32(2): 61-62; 2011 avril.
- [12] **Hitti E, Eliat P, Abgueguen E, Leroyer P, Brissot P, Gandon Y, Saint-Jalmes H, Loreal O.** MRI quantification of splenic iron concentration in mouse. JMRI Journal of Magnetic Resonance Imaging. 32(3):639-46 ; 2010 Sep.
- [13] **Bonny S, Hitti E, Boustie J, Bernard A, Tomasi S.** Optimization of a microwave-assisted extraction of secondary metabolites from crustose lichens with quantitative spectrophotodensitometry analysis. J Chromatogr A.1216(45):7651-6; 2009

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- [1] **Joe Sarkis, Jean-François Hubert, Baptiste Legrand, Estelle Robert, Angélique Chéron, Julien Jardin, Eric Hitti, Elisabeth Le Rumeur, Véronique.** Modulation of the interaction and organization of Human Dystrophin repeats 11-15 subdomain with Membrane. 8th EBSA European Biophysics Congress Budapest, HUNGARY AUG 23-27, 2011. European Biophysics Journal With Biophysics Letters. 2011 ;Vol 40 :58
- [2] **E. Hitti, F. Wendling.** Segmentation des signaux SEEG par décomposition en paquets de Malvar fréquentiels. 19ième colloque GRETSI sur le traitement du Signal et des Images. Septembre 2003, Paris, France
- [3] **M.F. Lucas, C. Doncarli, E. Hitti, N. Dechamps.** Wavelet optimization for classification. ICASSP 2002, Mai 2002, Orlando Floride USA
- [4] **M.F. Lucas, E. Hitti et C. Doncarli.** *"Optimisation d'ondelettes pour la classification"*. 18ième colloque GRETSI sur le traitement du Signal et des Images. Septembre 2001, Toulouse, France
- [5] **E. Hitti, C. Doncarli, M.F. Lucas.** Supervised frequency change detection using MCMC methods. EUSIPCO-00, 10th European Signal Processing Conference, Tampere, Finland.
- [6] **H. Laurent E. Hitti M.F. Lucas.** Abrupt changes detection in the time-scale and in the time-frequency planes: a comparative study. Proceedings of TFTS 98, IEEE-SP International Symposium on Time-frequency and Time-scale Analysis p 581-584. Octobre 1998, Pittsburg, USA
- [7] **E. Hitti et M.F. Lucas.** Wavelet-packet basis selection for abrupt changes detection in multicomponent signals. EUSIPCO-98, 9th European Signal Processing Conference. Septembre 1998, Rhodes, Grèce
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- [1] **Roberto Salvati, Eric Hitti, Jean-Jacques Bellanger, Herve Saint-Jalmes, and Giulio Gambarota.** Virtual Phantom (ViP) MRI: a method to generate virtual phantoms that mimic water-fat systems. Proc. Intl. Soc. Mag. Reson. Med. 23, 3086 (2015); 2015, 30 May- 5June; Toronto, Ontario, Canada.
- [2] **Roberto Salvati, Pierre-Antoine Eliat , Orlando Musso, Christine Perret , Eric Hitti, Marie Sicard, Herve Saint-Jalmes, and Giulio Gambarota.** Optimization of the fat fraction and T2* measurements in mice at 4.7T with the IDEAL algorithm. Proc. Intl. Soc. Mag. Reson. Med. 23, 4074 (2015); 2015, 30 May- 5June; Toronto, Ontario, Canada.
- [3] **Roberto Salvati, Eric Hitti, Herve Saint-Jalmes, Robert Mulkern, and Giulio Gambarota.** Corn-starch solution: a phantom with a short T2/T1 ratio (T2*/T1). Proc. Intl. Soc. Mag. Reson. Med. 23, 3269 (2015); 2015, 30 May- 5June; Toronto, Ontario, Canada.
- [4] **D Parrot, E Hitti, M Grube, D Carrié, S Tomasi.** Extraction optimization and metabolite profiling of nine lichens by LC-ESI-MS/MS. Journées internationales AFERP & STOLON, Brussels May 22-24, 2013
- [5] **Kaszub W., Lorenc M., Uriac P., Legouin B., Hitti E., Graton J., Jacquemin D.** Ultrafast laser spectroscopy of molecular tweezers. Imagine Nano, Bilbao, 23-26 avril 2013, Espagne (2013)
- [6] **Joe Sarkis, Jean-François Hubert, Baptiste Legrand, Estelle Robert, Angélique Chéron, Didier Dupont, Julien Jardin, Eric Hitti, Elisabeth Le Rumeur, Véronique Vié.** Interaction of the actin binding domain 2 of dystrophin with lipid membrane is modulated by lipid packing. Congrès international de myologie ; mai 2011; Lille, France
- [7] **Noury F, Eliat P-A, Massart J, Fautrel A, Hitti E, Bellaud P, Fromenty B, Saint-Jalmes H.** Quantification Des Lipides Hépatiques Chez La Souris Par Srm in Vivo À 4,7 T : Étude Des Effets De La Pentoxifylline Chez La Souris Obèse Ob/Ob. **Colloque conjoint RITS & GRAMM**; 2011 6-8 avril; Rennes, France.
- [8] **Joe Sarkis, Jean-François Hubert, Baptiste Legrand, Estelle Robert, Angélique Chéron, Didier Dupont, Julien Jardin, Eric Hitti, Elisabeth Le Rumeur, Véronique Vié.** Human Dystrophin Rod 11-15 Sub-Domain: A Membrane Interacting Zone Modulated by Lipid Packing. BIOPHYSICAL JOURNAL Volume: 100 Issue: 3 p 508-508. 55th Annual Meeting of the Biophysical-Society, Baltimore, MD MAR 05-09, 2011
- [9] **Ollivro S, Eliat PA, Hitti E, Tran L, De Certaines J, Saint-Jalmes H.** Mri Acceptance Protocol for the Multicenter Go Glioblastoma Project. **Proceedings of the Joint Annual Meeting of ESMRMB & ISMRM**; 2010 1-7 May; Stockholm, Sweden. p. 2195.
- [10] **Noury F, Fautrel A, Hitti E, Bellaud P, Saint-Jalmes H, Fromenty B, Eliat P.** Comparison of liver steatosis quantification by magnetic resonance spectroscopy at 4.7 T and histology on ob/ob and db/db mice. Joint Annual Meeting of ESMRMB & ISMRM. Mai 2010 ; Stockholm, Suède.

- [11] **Joe Sarkis, Estelle Robert, Eric Hitti, Didier Dupont³, Elisabeth Le Rumeur, Véronique Vié, Jean-François Hubert.** Interactions et organisations avec les lipides du sous-domaine R11-15 de la dystrophine humaine. Congrès de microscopie à sonde locale ; du 15 au 18 Mars 2010 ; Mittelwihr, France.
- [12] **Bonny S, Hitti E, Boustie J, Bernard A, Tomasi S.** Optimization of a microwave-assisted extraction of secondary metabolites from crustose lichens with quantitative spectrophotodensitometry analysis. Phytochemical Society of Europe PSE-CSCIC-Meeting, 12-14 mai 2009; Murcia, Espagne.
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- [15] **Anne-Cécile Le Lamer, Eric Hitti, Joël Boustie, Sophie Tomasi.** Multivariate optimisation of parallel extraction of *Cetraria Islandica* and analysis by ¹H NMR and PCA. 44e Rencontres Internationnales de Chimie Thérapeutiques. (RICT) Angers, 2-4 Juillet 2008
- [16] **Habib Kassem, Eric Hitti, Jean-Louis Coatrieux, Fabienne Poncin-epaillard, Emmanuel Mignard, Olivier Lavastre.** L'Image : un Outil Analytique en Soi. Extraction Directe de Propriétés Physiques de Polymères à Partir d'Images AFM. Congrès IMAPOL Imagerie et polymères. Octobre 2005, Bordeaux