

FONDS DE LA RECHERCHE SCIENTIFIQUE - FNRS

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Liste bibliographique complète de : Masin Francis**Thèse(s)****Thèse(s) de doctorat****Excitations non linéaires dans un polymère quasi unidimensionnel à caractère métallique (Etude de la relaxation magnétique nucléaire spin-réseau dans le polyacétylène pur et dopé).**

Directeur principal de thèse : Deltour Robert

1981, Université Libre de Bruxelles

Thèse(s) annexe(s) à la thèse de doctorat**La non exponentialité de la décroissance de l'écart à la magnétisation d'équilibre des noyaux de platine dans le platinocyanure de potassium bromé peut être expliquée par la présence de solitons de phase de l'onde de densité de charge dans ce composé**

Directeur principal de thèse : Deltour Robert

1981, Université Libre de Bruxelles

Publication(s)**Article(s) dans des revues ou ouvrages****Publication(s) avec comité de lecture****1^{er}, co-1^{er} ou dernier auteur****Article****Non exponential nuclear magnetic relaxation by solitary waves in K₂Pt(CN)₄ 3.2H₂O**

F. Masin, G. Gusman and R. Deltour

Solid State Comm, F.I.: 1,3370, 1981, J. Klinowski, UK, Elsevier, 40, 295

¹³C and ¹H nuclear spin lattice magnetic relaxation in undoped polyacetylene

F. Masin, G. Gusman and R. Deltour

Solid State Comm, F.I.: 1,3370, 1981, J. Klinowski, UK, Elsevier, 39, 505-507

Spin-lattice relaxation by solitons in ¹³C enriched iodine doped trans-polyacetylene

F. Masin, G. Gusman and R. Deltour

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P. Fedorko, F. Masin

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NMR Observation of Temperature-dependent Spin-lattice Relaxation in Trans-polyacetylene

F. Masin, G. Gusman

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Benzene-solvated C₆₀ : ¹H nuclear spin-lattice magnetic relaxation

F. Masin, A.-S. Grell, I. Messari and G. Gusman

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Speciation and Crystal Chemistry of Fe(III) Chloride Hydrolyzed in the Presence of SiO₄ Ligands.2.Characterization of Si-Fe Aggregates by FTIR and ²⁹Si Solid-State NMR

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J. Giraudet, M. Dubois, K. Guérin, J.P. Pinheiro, A. Hamwi, W.E.E Stone, P. Pirotte, F. Masin

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Speciation and Crystal Chemistry of Fe(III) Chloride Hydrolyzed in the Presence of SiO₄ Ligands. 2. Characterization of Si-Fe Aggregates by FTIR and ²⁹Si Solid-State NMR.

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Carbon nanofibres fluorinated using TbF₄ as fluorinating agent Part II: adsorption and electromechanical properties

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Travail(aux)**accepté pour publication****1^{er}, co-1^{er} ou dernier auteur****Article****Fluorinated nanocarbons using fluorinating agent: Strategies of fluorination and applications**

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Coauteur**Article****Effect of curvature on C-F bonding in fluorinated carbons: from fullerene and derivatives to graphite**

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Phys. Chem. Chem. Phys., F.I.: 4,0600, 9999, Pekka Pyykkö

soumis pour publication**1^{er}, co-1^{er} ou dernier auteur****Article****Investigation of dynamics and characterization of Poly(Di-n-propylsiloxane) (PDPS) by Solid State ¹H, ¹³C and ²⁹Si NMR**

J. Giraudet, A. Walter, P. Pirotte, D.A. Ivanov, F. Masin
Macromolecules, F.I.: 4,4070, 9999, Timothy P. Lodge

Investigation of dynamics and characterization of Poly(Di-n-propylsiloxane) (PDPS) by Solid State ¹H, ¹³C and ²⁹Si NMR

J. GIRAUDET, A. WALTER, P. PIROTTE, D.A. Ivanov, F. MASIN
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Coauteur**Article****Solid state NMR study of the C-F bonding in highly fluorinated fullerenes**

W. Zhang, M. Dubois, K. Guérin, P. Bonnet, D. Claves, H. Kharbache, F. Masin, A.P. Kharitonov, A. Hamwi
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Les solitons: Un apport de la physique fondamentale à la recherche biomédicale

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Communication

Effet tunnel inélastique en présence de composés ajoutés à la barrière isolante

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Pulsed nuclear magnetic resonance study of the quasi-metal-semiconductor transition in $\text{K}_2\text{Pt}(\text{CN})_4\text{Br}_{0.3}\text{3H}_2\text{O}$

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Résonance magnétique nucléaire dans le polyacétylène enrichi en carbone ^{13}C ($^{13}\text{C H}$) $_x$

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NMR Spectroscopy of Solitons in $(\text{CH})_n$

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Temperature dependence of DC conductivity of some partly oxidized platinum complexes

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