
Les Publications du GFSM

*Pour avoir accès à l'intégralité des publications, il vous faut être Membre du GFSM à jour de vos cotisations afin d'avoir accès à l' **Espace Membres**.*

Dans cette rubrique, vous pourrez trouver uniquement une partie de la liste des **publications des années 2012 et 2013**.

L. Aldon, J.-C. Jumas

Lithium-induced conversion reaction in wustite Fe_{1-x}O studied by ^{57}Fe Mössbauer spectroscopy

Solid State Sciences, 2012, 14, 354-361

[DOI : 10.1016/j.solidstatesciences.2011.12.006](https://doi.org/10.1016/j.solidstatesciences.2011.12.006)

M.D. Carvalho, L.P. Ferreira, R.P. Borges, M. Godinho

Investigation of the iron site localization in doped ZnO

J. Solid State Chem., 2012, 185, 160-165

[DOI : 10.1016/j.jssc.2011.11.006](https://doi.org/10.1016/j.jssc.2011.11.006)

A. D. Naik, A. P. Railliet, M. M. Dîrtu, Y. Garcia

Coordination preference and magnetic properties of Fe(II) assemblies with a bis-azole bearing 1,2,4-triazole and tetrazole

Hyperfine Interact., 2012, 204, 119-123.

A. P. Railliet, A. D. Naik, A. Rotaru, J. Marchand-Brynaert, Y. Garcia

1D iron(II) spin crossover complexes with 1,2,4-triazol-4-yl-propanoic acid

Hyperfine Interact., 2012, 205, 51-55.

M.M. Dîrtu, F. Schmit, A. D. Naik, A. Rotaru, J. Marchand-Brynaert, Y. Garcia

Impact of ligand spacer and counter-anion in selected 1D iron(II) spin crossover coordination polymers

Hyperfine Interact., 2012, 205, 69-73.

M.M. Dîrtu, D. Gillard, A. D. Naik, A. Rotaru, Y. Garcia

Weak cooperativity in selected iron(II) 1D coordination polymers

Hyperfine Interact., 2012, 205, 75-79.

A. D. Naik, Y. Garcia

^{57}Fe Mössbauer probe of spin crossover thin films on a bio-membrane

Hyperfine Interact., 2012, 206, 7-11.

Y. Garcia

Highlight on Li-ion battery with outstanding performances insights from ^{57}Fe Mössbauer spectroscopy

Möss. Eff. Ref. Data J., 2012, 35, 53-55.

P. Gütlich, Y. Garcia

Chemical applications of Mössbauer spectroscopy

Tutorials on Mössbauer spectroscopy

(Eds Y. Yoshida, G. Langouche)

Springer, 2012, in press.

F. Moser, M.-T. Caldes, M. Benamira, J.-M. Greneche, P. Léone, O. Joubert

Development of new anodes compatible with the SOFC electrolyte BaIn_{0.3}Ti_{0.7}O_{2.85}

Journal of Power Sources, 2012, 201, 103-111

DOI : [10.1016/j.jpowsour.2011.10.120](https://doi.org/10.1016/j.jpowsour.2011.10.120)

A. Perea, M. T. Sougrati, C. M. Ionica-Bousquet, B. Fraisse, C. Tessier, L. Aldon, J.-C. Jumas

Operando ⁵⁷Fe Mössbauer and XRD investigation of Li_xMn_yFe_{1-y}PO₄/C composites (y = 0 ; 0.25)

RSC Advances, 2012, 2, 2080-2086

DOI : [10.1039/c1ra00256b](https://doi.org/10.1039/c1ra00256b)

A. Jahel, S. Lacombe, P. Avenier, J. Olivier-Fourcade, J.-C. Jumas

Mössbauer Spectroscopy : an elegant tool for the active sites identification and quantification in Pt-Sn-In based naphtha reforming catalysts.

Hyperfine Interactions, 2012, 207, 37-40

DOI : [10.1007/s10751-011-0469-3](https://doi.org/10.1007/s10751-011-0469-3)

J. Olivier-Fourcade, C.M. Ionica-Bousquet, P.E. Lippens, J.-C. Jumas

Mössbauer Spectroscopy : analysis and predictions for Li-ion batteries.

Hyperfine Interactions, 2012, 207, 33-36

DOI: [10.1007/s10751-011-0489-z](https://doi.org/10.1007/s10751-011-0489-z)

M.T. Sougrati, G. Rousse, N. Recham, M.-L. Doublet, J.-N. Chotard, J.-C. Jumas, J.-M. Tarascon

Single-Step Synthesis of FeSO₄F_{1-y}OH_y (0<y<1) Positive Electrodes for Li-Based Batteries.

Chem. Mater., 2012, 24(8), 1472-1485

DOI: [10.1021/cm300188a](https://doi.org/10.1021/cm300188a)

M. Mouyane, M. Womes, J.-C. Jumas, J. Olivier-Fourcade, P.-E. Lippens

Tin dispersed in a calcium silicate matrix : a composite oxide as anode material for Li-ion batteries.

J. Power Sources, 2012, 204, 139-148

DOI: [10.1016/j.jpowsour.2011.12.022](https://doi.org/10.1016/j.jpowsour.2011.12.022)

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A combined Mössbauer Spectroscopy and X-Ray Diffraction operando study of Sn-based composite anode materials for Li-ion accumulators.

J. Solid State Electrochem., (accepted on 12/07/2012)

DOI: [10.1007/s10008-012-1824-2](https://doi.org/10.1007/s10008-012-1824-2)

L. Aldon, J.-C. Jumas

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Solid State Sciences, 2012, 14, 354-361

DOI: [10.1016/j.solidstatesciences.2011.12.006](https://doi.org/10.1016/j.solidstatesciences.2011.12.006)

A. Jahel, V. Moizan-Baslé, C. Chizallet, S. Lacombe, P. Avenier, P. Raybaud, J. Olivier-Fourcade, J.-C. Jumas

Effect of indium-doping of γ alumina on the stabilization of PtSn alloy clusters prepared by surface organostannic chemistry on platinum.

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DOI: [10.1021/jp301282r](https://doi.org/10.1021/jp301282r)

P.-E. Lippens, M. El Khalifi, M. Chamas, A. Perea, M. T. Sougrati, C. Ionica-Bousquet, L. Aldon, J. Olivier-Fourcade and J.-C. Jumas

How Mössbauer spectroscopy can improve Li-ion batteries

Hyperfine Interactions, 2012, 206, 33-46

A. Perea, L. Aldon

High cycling rate lithium reaction on $\text{LiMn}_x\text{Fe}_{1-x}\text{PO}_4$ using in situ and operando ^{57}Fe Mössbauer spectroscopy

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Study of C-coated $\text{LiFe}_{0.33}\text{Mn}_{0.67}\text{PO}_4$ as positive electrode material for Li-ion batteries

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Magnetic and Magnetocaloric Properties of $\text{SrFe}_{0.5}\text{Co}_{0.5}\text{O}_{3-y}$ upon Oxidation and Reduction : A Heterogeneous Distribution of the Oxidation States

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Applied Catalysis B : Environmental, 2013, 140-14, 151.

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