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# Publications 2014

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[2016](#) - - [2015](#) - - [2014](#)

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B. Klobes, N. Barrier, B. Vertruyen, C. Martin, and R. P. Hermann

**Quadrupole splitting and isomer shifts in Te oxides investigated using nuclear forward scattering**

Hyperfine Interactions, 2014, January, Proceedings of the 32nd International Conference on the Applications of the Mössbauer Effect (ICAME 2013) held in Opatija, Croatia, 1-6 September 2013

[DOI : 10.1007/s10751-013-0993-4](https://doi.org/10.1007/s10751-013-0993-4)

Saad Y., Hidouri M., Alvarez-Serrano I., Veiga M.L., Wattiaux A. and Ben Amara M.

**Crystal structure and Mössbauer spectroscopy of a new iron phosphate  $Mg_{2.88}Fe_{4.12}(PO_4)_6$**

J. Alloys Compd. 2014, vol. 584, p. 625-630.

[DOI : 10.1016/j.jallcom.2013.09.053](https://doi.org/10.1016/j.jallcom.2013.09.053)

K. Cheng, V.V. Ordonsky, M. Virginia, B. Legras, P.A.. Chernavskii, V.O. Kazak, C. Cordier, S. Paul, Ye Wang, A.Y. Khodakov

**Support effects in high temperature Fischer-Tropsch synthesis on iron catalysts**

Applied Catalysis A : General, 2014, 488, 66-77.

[DOI : 10.1016/j.apcata.2014.09.033](https://doi.org/10.1016/j.apcata.2014.09.033)

C. Cordier-Robert, J. Foct

**Driving force for low temperature sintering of interstitial and intermetallic powders and induced applications**

Powder Metallurgy, 2014, 57, 3, 220-224.

[DOI : 10.1179/1743290114Y.0000000090](https://doi.org/10.1179/1743290114Y.0000000090)

N. Dauphas, M. Roskosz, E. E. Alp, D. R. Neuville, M.Y. Hu, C. K. Sio, F. L. H. Tissot, J. Zhao, L. Tissandier, E. Médard, C. Cordier

**Magma redox and structural controls on iron isotope variations in Earth's mantle and crust**

Earth and Planetary Science Letters, 2014, 398, 127-140.

[DOI : 10.1016/j.epsl.2014.04.0330](https://doi.org/10.1016/j.epsl.2014.04.0330)

Carlo Di Giovanni, Wei-An Wang, Sophie Nowak, Jean-Marc Grenèche, Hélène Lecoq, Ludovic Mouton, Marion Giraud and Cédric Tard

**Bio-Inspired Iron Sulfide Nanoparticles for the Cheap and Long-Lived Electrocatalytical Molecular Hydrogen Evolution in Neutral Water**

ACS Catal., (2014), 4, 681-687

[DOI : 10.1021/cs4011698](https://doi.org/10.1021/cs4011698)

Laurent Schlur, Sylvie Begin-Colin, Pierre Gilliot, Mathieu Gallart, Gaëlle Carré, Spiros Zafeiratos, Nicolas Keller, Valérie Keller, Philippe André, Jean-Marc Grenèche, Bernard Hezard, Marie-Hélène Desmots, Geneviève Pourroy

**Effect of ball-milling and Fe-/Al-doping on the structural aspect and visible light photocatalytic activity of TiO<sub>2</sub> towards Escherichia coli bacteria abatement**

Materials Science and Engineering : C, 38, 11-19

[DOI : 10.1016/j.jmsec2014.01.026](https://doi.org/10.1016/j.jmsec2014.01.026)

Walid Baaziz, Benoit P. Pichon, Solenne Fleutot, Yu Liu, Christophe Lefevre, Jean-Marc Grenèche, Mohamed Toumi, Tahar Mhiri, and Sylvie Begin-Colin

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**Magnetic Iron Oxide Nanoparticles : Reproducible Tuning of the Size and Nanosized-Dependent Composition, Defects, and Spin Canting**

J. Phys. Chem. C, (2014), 118 3795-3810

[DOI : 10.1021/jp411481p](https://doi.org/10.1021/jp411481p)

S. Hong, Y.-M. Lee, K.-B. Cho, M.S. Seo, D. Song, J. Yoon, R. Garcia-Serres, M. Clémancey, T. Ogura, W. Shin, J.-M. Latour et W. Nam

**Conversion of Nonheme High-Spin Iron(III)-Alkylperoxo to Iron(IV)-Oxo Species via O-O Bond Homolysis in Nonheme Iron Models.**

Chem. Sci. 2014, 5, 156-162.

G. Berggren, R. Garcia-Serres, X. Brazoloto, M. Clémancey, S. Gambarelli, M. Atta, J.-M. Latour, H.L. Hernandez, S. Subramanian, M.K. Johnson et M. Fontecave

**An EPR/Hyscore, Mössbauer, and resonance Raman study of the hydrogenase maturation enzyme HydF - a model for N-coordination to [4Fe-4S] clusters.**

J. Biol. Inorg. Chem. 2014, 19, 75-84.

A. Parent, E. Gouré, F. Avenier, P. Dubourdeaux, O. Sénèque, F. Albrieux, C. Lebrun, M. Clémancey, P. Maldivi et J.-M. Latour

**A Diiron(III,IV) and (IV,IV) Imido Species Very Active in Nitrene Transfer Reactions.**

Angew. Chem. Intern. Ed. 2014, 53, 1580-1584.

T. Claudio, D. Bessas, C. Birkel, G. Kieslich, M. Panthöfer, I. Sergueev, W. Tremel, and R. P. Hermann

**Enhanced Debye level in nano Zn<sub>1+x</sub>Sb, FeSb<sub>2</sub> and NiSb : nuclear inelastic spectroscopy on 121Sb**

Phys. Stat. Solidi B, 2014, 251, 919-923.

[DOI : 10.1002/pssb.201350246](https://doi.org/10.1002/pssb.201350246)

P. A. Alexeev, K. S. Nemkovski, D. P. Kozlenko, A. P. Menushenkov, A. A. Yaroslavtsev, A. V. Gribov, E. S. Clementyev, C. Pantalei, B. Klobes, and R. P. Hermann

**Coexistence of long range magnetic order and intervalent state of Eu in EuCu<sub>2</sub>(SixGe<sub>1-x</sub>)<sub>2</sub> : evidence from neutron diffraction and spectroscopic studies**

JETP Letters, 2014, 99, 164-168.

[DOI : 10.1134/S0021364014030023](https://doi.org/10.1134/S0021364014030023)

M. Herlitschke, A. L. Tchougréeff, A. V. Soudakov, B. Klobes, L. Storkc, R. Dronskowski R., and R. P. Hermann

**Magnetism and Lattice Dynamics of FeNCN compared to FeO**

new journal of chemistry, 2014, 38, 4670.

[DOI : 10.1039/C4NJ00097H](https://doi.org/10.1039/C4NJ00097H)

M. Brisbois, N. Krins, R. P. Hermann, A. Schrijnemakers, R. Cloots, B. Vertruyen, and F. Boschini,

**Spray-drying synthesis of Na<sub>2</sub>FePO<sub>4</sub>F/Carbon powders for lithium-ion batteries**

Materials Letters, 2014, 130, 263-266

[DOI : 10.1016/j.matlet.2014.05.121](https://doi.org/10.1016/j.matlet.2014.05.121)

J. G. Mahy, L. Tasseroul, A. Zubiaur, J. Geens, M. Brisbois, M. Herlitschke, R. P. Hermann, B. Heinrichs, S. D. Lambert,

**Highly dispersed Fe<sub>2</sub>O<sub>3</sub> nanoparticles for p-nitrophenol degradation by photo-Fenton effect**

Microporous & Mesoporous Materials, 2014, 197, 164-173.

[DOI : 10.1016/j.micromeso.2014.06.009](https://doi.org/10.1016/j.micromeso.2014.06.009)

O. Botezat, J. van Leusen, V. C. Kravtsov, I. G. Filippova, J. Hauser, M. Speldrich, R. P. Hermann, K. W. Krämer, S.-X. Liu, S. Decurtins, P. Kögerler, and S. G. Baca

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**Interpenetrated (8.3)-c and (10.3)-b MOFs Based on  $Fe^{III}_3$  and  $Fe^{III}_2CoII$  Pivalate Spin Clusters**

Crystal Growth and Design, 2014, 14, 4721-4728.

[DOI : 10.1021/cg5008236](https://doi.org/10.1021/cg5008236)

D. Sando, A. Agbelele, C. Daumont, D. Rahmedov, W. Ren, I. C. Infante, S. Lisenkov, S. Prosandeev, S. Fusil, E. Jacquet, C. Carrétéro, S. Petit, M. Cazayous, J. Juraszek, J.-M. Le Breton, L. Bellaiche, B. Dkhil, A. Barthélémy and M. Bibes

**Control of ferroelectricity and magnetism in multi-ferroic  $BiFeO_3$  by epitaxial strain**

Phil. Trans. R. Soc. A, 2014, 372, 20120438.

[DOI : 10.1098/rsta.2012.0438](https://doi.org/10.1098/rsta.2012.0438)

A. Laggoun, A. Guittoum, S. Bahamida, M. Boudissa and A. Fnidiki

**Structural and Mossbauer studies of evaporated  $Fe_{100-x}Pdx$  thin films**

Eur. Phys. J. Appl. Phys., 2014, 68, 20301

[DOI : 10.1051/epjap/2014140195](https://doi.org/10.1051/epjap/2014140195)

Y. Garcia

**Chemical applications**

Möss. Eff. Data Ref. J., 2014, 37, 49.

A. D. Naik, K. Robeyns, C. F. Meunier, A. F. Léonard, A. Rotaru, B. Tinant, Y. Filinchuk, B. L. Su, Y. Garcia

**Selective and re-usable  $Fe^{II}$  based molecular sensor for the vapour phase detection of alcohols**

Inorg. Chem. 2014, 53, 1263-1265.

[DOI : 10.1021/ic402816a](https://doi.org/10.1021/ic402816a)

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**Spin-state ordering on one sub-lattice of a mononuclear iron(III) spin crossover complex exhibiting LIESST and TIESST**

Chem. Eur. J. 2014, 20, 5613-5618.

[DOI : 10.1002/chem.201400286](https://doi.org/10.1002/chem.201400286)

Y. Garcia, S. J. Campbell, J. S. Lord, J. Linares, M. M. Dîrtu, A. Vendrell Pérez, Y. Boland, V. Ksenofontov, P. Gütllich

**Spin conversion detected by Mössbauer spectroscopy and mSR on a 1D  $Fe^{II}$  paramagnetic chain**

Hyperfine Interact. 2014, 226, 217-221.

[DOI : 10.1007/s10751-013-0909-3](https://doi.org/10.1007/s10751-013-0909-3)

A. P. Railliet, A. D. Naik, A. Rotaru, Y. Garcia

**Mössbauer spectroscopy monitoring the spin transition of a  $Fe^{II}$  1D chain with a fluorinated 4-R-1,2,4triazole**

Hyperfine Interact. 2014, 226, 223-227.

[DOI : 10.1007/s10751-013-0943-1](https://doi.org/10.1007/s10751-013-0943-1)

C. Lochenie, W. Bauer, A. P. Railliet, S. Schlamp, Y. Garcia, B. Weber

**Iron(II) spin crossover complexes with N-(pyrid-4-yl)isonicotinamide and large thermal hysteresis**

Inorg. Chem. 2014, 53, 11563-11572.

[DOI : 10.1021/ic501624b](https://doi.org/10.1021/ic501624b)

Moog I., Feral-Martin C., Duttine M., Wattiaux A., Prestipino C., Figueroa S., Majimel J., Demourgues A.

**Local organization of  $Fe^{3+}$  into nano- $CeO_2$  with controlled morphologies and its impact on reducibility properties.**

Journal of Materials Chemistry A : Materials for Energy and Sustainability 2014, vol. 2 , n° 47, p. 20402-20414.

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[DOI : 10.1039/C4TA02631D](https://doi.org/10.1039/C4TA02631D)

Dambournet D., Duttine M., Chapman K. W., Wattiaux A., Borkiewicz O., Chupas P. J., Demourgues A., Groult H  
Resolving and quantifying nanoscaled phases in amorphous FeF<sub>3</sub> by pair distribution function and Mössbauer spectroscopy.

Journal of Physical Chemistry C 2014, vol. 118, n° 25, p. 14039-14043.

[DOI : 10.1021/jp504083g](https://doi.org/10.1021/jp504083g)

Fabritchnyi P. B., Afanasov M. I., Astashkin R. A., Wattiaux A., Labrugère C.

**Interactions of Sn<sup>2+</sup> dopant ions located on surface sites of anatase-type TiO<sub>2</sub> with adsorbed H<sub>2</sub>S molecules studied using <sup>119</sup>Sn Mössbauer spectroscopic probe.**

Applied Surface Science 2014, vol. 320, p. 482-486.

[DOI : 10.1016/j.apsusc.2014.09.005](https://doi.org/10.1016/j.apsusc.2014.09.005)

El Hafid H., Velázquez M., El Jazouli A., Wattiaux A., Carlier D., Decourt R., Couzi M., Goldner P., Delmas C.

**Magnetic, Mössbauer and optical spectroscopic properties of the AFe<sub>3</sub>O(PO<sub>4</sub>)<sub>3</sub> (A = Ca, Sr, Pb) series of powder compounds.**

Solid State Sciences 2014, vol. 36, p. 52-61.

[DOI : 10.1016/j.solidstatesciences.2014.07.011](https://doi.org/10.1016/j.solidstatesciences.2014.07.011)

Duttine M., Dambournet D., Penin N., Carlier D., Bourgeois L., Wattiaux A., Chapman K. W., Chupas P. J., Groult H., Durand E., Demourgues A.

**Tailoring the composition of a mixed anion iron-based fluoride compound : evidence of anionic vacancy and electrochemical performance in lithium cells.**

Chemistry of Materials 2014, vol. 26, n° 14, p. 4190-4199.

[DOI : 10.1021/cm501396n](https://doi.org/10.1021/cm501396n)

Badri A., Hidouri M., Wattiaux A., López M. L., Veiga M. L., Ben Amara M.

**Crystal structure, IR and Mössbauer spectroscopy and magnetic properties of KZnFe(PO<sub>4</sub>)<sub>2</sub> related to the zeolite-ABW-like compounds.**

Materials Research Bulletin 2014, vol. 55, p. 61-66.

[DOI : 10.1016/j.materresbull.2014.04.009](https://doi.org/10.1016/j.materresbull.2014.04.009)

Grimaud A., Bassat J. M., Mauvy F., Pollet M., Wattiaux A., Marrony M., Grenier J.-C.

**Oxygen reduction reaction of PrBaCo<sub>2-x</sub>Fe<sub>x</sub>O<sub>5+ $\delta$</sub>  compounds as H<sup>+</sup>-SOFC cathodes : correlations with physical properties.**

Journal of Materials Chemistry A : Materials for Energy and Sustainability 2014, vol. 2, n° 10, p. 3594-3604.

[DOI : 10.1039/c3ta13956e](https://doi.org/10.1039/c3ta13956e)

Schmidt W., Berthelot R., Etienne L., Wattiaux A., Subramanian M. A.

**Synthesis and characterization of O<sub>3</sub>-Na<sub>3</sub>LiFeSbO<sub>6</sub> : A new honeycomb ordered layered oxide.**

Materials Research Bulletin 2014, vol. 50, p. 292-296.

[DOI:10.1016/j.materresbull.2013.10.049](https://doi.org/10.1016/j.materresbull.2013.10.049)

H. Serier-Brault, L. Thibault, M. Legrain, P. Deniard, X. Rocquefelte, P. Leone, J.L. Perillon, S. Le Bris, J. Waku, S. Jobic

**Thermochromism in Yttrium Iron Garnet Compounds**

Inorganic Chemistry, 2014, 53, 12378.

[DOI : 10.1021/ic501708b](https://doi.org/10.1021/ic501708b)

B. Philippe, A. Mahmoud, J. B. Ledeuil, M. T. Sougrati, K. Edström, R. Dedryvère, D. Gonbeau and P. E. Lippens  
**MnSn<sub>2</sub> electrodes for Li-ion batteries : Mechanisms at the nano scale and electrode/electrolyte interface**

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Electrochimica Acta, 2014, 123, 72  
[DOI : 10.1016/j.electacta.2014.01.010](https://doi.org/10.1016/j.electacta.2014.01.010)

A. Morozan, M. T. Sougrati, V. Goellner, D. Jones, L. Stievano and F. Jaouen  
**Effect of Furfuryl Alcohol on Metal Organic Framework-based Fe/N/C Electrocatalysts for Polymer Electrolyte Membrane Fuel Cells**

Electrochimica Acta, 2014, 119, 192  
[DOI : 10.1016/j.electacta.2013.12.022](https://doi.org/10.1016/j.electacta.2013.12.022)

J. Miot, J. Li, K. Benzerara, M. T. Sougrati, G. Ona-Nguema, S. Bernard, J.-C. Jumas and F. Guyot  
**Formation of single domain magnetite by green rust oxidation promoted by microbial anaerobic nitrate-dependent iron oxidation**

Geochimica et Cosmochimica Acta, 2014, 139, 327  
[DOI : 10.1016/j.gca.2014.04.047](https://doi.org/10.1016/j.gca.2014.04.047)

O. Mero, M. T. Sougrati, J.-C. Jumas and S. Margel  
**Engineered magnetic core-shell SiO<sub>2</sub>/Fe microspheres and "medusa-like" microspheres of SiO<sub>2</sub>/iron oxide/carbon nanofibers or nanotubes**

Langmuir, 2014, 30, 9850  
[DOI : 10.1021/la502142m](https://doi.org/10.1021/la502142m)

A. Mahmoud, I. Saadoune, S. Difi, M. T. Sougrati, P.-E. Lippens and J. M. Amarilla  
**Study of the structural and thermal stability of Li<sub>0.3</sub>Co<sub>2</sub>/3Ni<sub>1</sub>/6Mn<sub>1</sub>/6O<sub>2</sub>**

Electrochim. Acta, 2014, 135, 536  
[DOI : 10.1016/j.electacta.2014.05.058](https://doi.org/10.1016/j.electacta.2014.05.058)

L. Lander, M. Reynaud, G. Rousse, M. T. Sougrati, C. Laberty-Robert, R. J. Messinger, M. Deschamps and J.-M. Tarascon  
**Synthesis and electrochemical performance of the orthorhombic Li<sub>2</sub>Fe(SO<sub>4</sub>)<sub>2</sub> polymorph for Li-ion batteries**

Chem. Mater., 2014, Ahead of Print  
[DOI : 10.1021/cm5012845](https://doi.org/10.1021/cm5012845)

N. A. Kyeremateng, M. T. Sougrati, J. C. Jumas and H. Martinez  
**<sup>119</sup>Sn Mossbauer spectroscopy study of the mechanism of lithium reaction with self-organized Ti<sub>1</sub>/2Sn<sub>1</sub>/2O<sub>2</sub> nanotubes**

Nanoscale, 2014, 6, 7827  
[DOI : 10.1039/c4nr01500b](https://doi.org/10.1039/c4nr01500b)

V. Goellner, C. baldizzone, A. Schuppert, M. T. Sougrati, K. J. J. Mayrhofer and F. Jaouen  
**Degradation of Fe/N/C catalysts upon high polarization in acid medium**

Physical Chemistry Chemical Physics, 2014  
[DOI : 10.1039/C4CP02882A](https://doi.org/10.1039/C4CP02882A)

E. Courtin, G. Baldinozzi, M. T. Sougrati, L. Stievano, C. Sanchez and C. Laberty-Robert  
**New Fe<sub>2</sub>TiO<sub>5</sub>-based nanoheterostructured mesoporous photoanodes with improved visible light photoresponses**

Journal of Materials Chemistry A, 2014, 2, 6567  
[DOI : 10.1039/C4TA00102H](https://doi.org/10.1039/C4TA00102H)

D. Bessas, D. G. Merkel, A. I. Chumakov, R. Ruffer, R. P. Hermann, I. Sergueev, A. Mahmoud, B. Klobes, M. A. McGuire, M. T. Sougrati and L. Stievano  
**Nuclear Forward Scattering of Synchrotron Radiation by Ru 99**

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Physical Review Letters, 2014, 113, 147601

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**The reaction mechanism of SnSb and Sb thin film anodes for Na-ion batteries studied by X-ray diffraction, Sn-119 and Sb-121 Mossbauer spectroscopies**

Journal of Power Sources, 2014, 267, 329

[DOI : 10.1016/j.jpowsour.2014.05.083](https://doi.org/10.1016/j.jpowsour.2014.05.083)

C. Andriamiadamanana, C. Laberty-Robert, M. T. Sougrati, S. Casale, C. Davoisne, S. Patra and F. Sauvage  
**Room-Temperature Synthesis of Iron-Doped Anatase TiO<sub>2</sub> for Lithium-Ion Batteries and Photocatalysis**

Inorganic Chemistry, 2014, 53, 10129

[DOI : 10.1021/ic501067p](https://doi.org/10.1021/ic501067p)

E. Bonnefile, F. Novio, T. Gutmann, R. Poteau, P. Lecante, J.-C. Jumas, K. Philippot and B. Chaudret  
**Tin-decorated ruthenium nanoparticles : a way to tune selectivity in hydrogenation reaction**

Nanoscale, 2014, 6, 9806

[DOI : 10.1039/c4nr00791c](https://doi.org/10.1039/c4nr00791c)

H. Hentit, M. R. Ghezzar, M. Womes, J. C. Jumas, A. Addou and M. S. Ouali

**Plasma-catalytic degradation of anthraquinonic acid green 25 in solution by gliding arc discharge plasma in the presence of tin containing aluminophosphate molecular sieves**

Journal of Molecular Catalysis a-Chemical, 2014, 390, 37

[DOI : 10.1016/j.molcata.2014.03.003](https://doi.org/10.1016/j.molcata.2014.03.003)

G. Gershinsky, E. Bar, L. Monconduit and D. Zitoun

**Operando electron magnetic measurements of Li-ion batteries**

Energy & Environmental Science, 2014, 7, 2012

[DOI : 10.1039/c4ee00490f](https://doi.org/10.1039/c4ee00490f)

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**Characterization of Two-Step Tin-Based Redox System for Thermochemical Fuel Production from Solar-Driven CO<sub>2</sub> and H<sub>2</sub>O Splitting Cycle**

Industrial & Engineering Chemistry Research, 2014, 53, 5668

[DOI : 10.1021/ie500206u](https://doi.org/10.1021/ie500206u)

L. Baggetto, C. A. Bridges, J.-C. Jumas, D. R. Mullins, K. J. Carroll, R. A. Meisner, E. J. Crumlin, X. Liu, W. Yang and G. M. Veith

**The local atomic structure and chemical bonding in sodium tin phases**

Journal of Materials Chemistry A, 2014, 2, 18959

[DOI : 10.1039/c4ta04356a](https://doi.org/10.1039/c4ta04356a)

S. Zhou, W. G. Zeier, M. C. Kemei, M. T. Sougrati, M. Mecklenburg and B. C. Melot

**Hydrothermal Preparation and Magnetic Properties of NaFeSi<sub>2</sub>O<sub>6</sub> : Nanowires vs Bulk Samples**

Inorganic Chemistry, 2014, 53, 12396

[DOI : 10.1021/ic501664x](https://doi.org/10.1021/ic501664x)

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**Low Temperature Preparation and Electrochemical Properties of LiFeSi<sub>2</sub>O<sub>6</sub>**

Journal of The Electrochemical Society, 2014, 161, A1642

[DOI : 10.1149/2.0611410jes](https://doi.org/10.1149/2.0611410jes)

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M. Sun, G. Rousse, A. M. Abakumov, G. Van Tendeloo, M. T. Sougrati, M. Courty, M.-L. Doublet and J.-M. Tarascon

**An Oxysulfate Fe<sub>2</sub>O (SO<sub>4</sub>)<sub>2</sub> Electrode for Sustainable Li-based Batteries**

Journal of the American Chemical Society, 2014, 136, 12658

[DOI : 10.1021/ja505268y](https://doi.org/10.1021/ja505268y)

R. Snovski, J. Grinblat, M.-T. Sougrati, J.-C. Jumas and S. Margel

**Synthesis and characterization of iron, iron oxide and iron carbide nanostructures**

Journal of Magnetism and Magnetic Materials, 2014, 349, 35

[DOI : 10.1016/j.jmmm.2013.08.043](https://doi.org/10.1016/j.jmmm.2013.08.043)

M. Reynaud, G. Rousse, A. M. Abakumov, M. T. Sougrati, G. Van Tendeloo, J.-N. Chotard and J.-M. Tarascon

**Design of new electrode materials for Li-ion and Na-ion batteries from the bloedite mineral**

**Na<sub>2</sub>Mg(SO<sub>4</sub>)<sub>2</sub>·4H<sub>2</sub>O**

Journal of Materials Chemistry A, 2014, 2, 2671

[DOI : 10.1039/C3TA13648E](https://doi.org/10.1039/C3TA13648E)

B. Philippe, A. Mahmoud, J. B. Ledeuil, M. T. Sougrati, K. Edström, R. Dedryvère, D. Gonbeau and P. E. Lippens

**MnSn<sub>2</sub> electrodes for Li-ion batteries : Mechanisms at the nano scale and electrode/electrolyte interface**

Electrochimica Acta, 2014, 123, 72

[DOI : 10.1016/j.electacta.2014.01.010](https://doi.org/10.1016/j.electacta.2014.01.010)

A. Morozan, M. T. Sougrati, V. Goellner, D. Jones, L. Stievano and F. Jaouen

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Electrochimica Acta, 2014, 119, 192

[DOI : 10.1016/j.electacta.2013.12.022](https://doi.org/10.1016/j.electacta.2013.12.022)

D. Guerbois, G. Ona Nguema, G. Morin, M. Abdelmoula, J. A. Laverman, Mouchez., K. Barthelemy, F. Maillot, J. Brest

**Nitrite reduction by biogenic hydroxycarbonate green rusts : evidence for hydroxy-nitrite green rust formation as an intermediate reaction product**

Environmental Science & Technology (2014), 48, p. 4505-4514

[DOI : 10.1021/es404009k](https://doi.org/10.1021/es404009k)

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[2016](#) - - [2015](#) - - [2014](#)

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