

6. Production scientifique

Physique

Articles de périodiques

2001

Jaouen N., Tonnerre J. M., Raoux D., Ortega L., Müenzenberg M., Felsch W., Suzuki M., Maruyama H., Dürr H.A., Dudzik E., van der Laan G.

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2002

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J. Non Cryst. Solids **299**, 238-242 (2002)

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2003

Babonneau, D., Camelio, S., Girardeau, T., Guerin, P., Jaouen, M., & Lyon, O.

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2004

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Rev. Sci. Instrum. **76**, 053302-1, 053302-11 (2005)

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Guillon I., Lyon O. and Servant C.

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Joyeux D., de Oliveira N., Phalippou D., Rodier J.C., Vervloet M., Polack F. & Nahon L.

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Journal de physique IV **127**: 77-85.(2005)

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Le Fevre P., Magnan H., Chandesris D., Jupille J., Bourgeois S., Barbier A., Drube W., Uozumi T. and Kotani A.

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Journal of Chemical Physics **123(8)**: art n° 084302 (2005)

Lyon O., Guillon I., Servant C. and Simon J. P.

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J. Appl. Cryst. **38**, 476-487 (2005)

Martinez-Criado G., Somogyi A., Ramos S., Campo J., Tucoulou R., Salome M., Susini J. and Stutzmann M.

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Martinez-Criado G., Somogyi A., Homs A., Tucoulou R., and Susini J.

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Mathiak G., Egry I., Hennet L., Thiaudière D., Pozdnyakova I. and Price D.L.

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New Synchrotron Radiation Circular Dichroism Endstation on DISCO Beamline at SOLEIL Synchrotron for Biomolecular Analysis
Bioch. Biophys. Acta accepté, (2005)

Moulin B., Hennet L., Thiaudière D., Melin P. & Simon P.

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Somogyi A., Tucoulou R., Martinez-Criado G., Homs A., Cauzid J., Bleuet P., Bohic S. and Simionovici A.

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Journal of Synchrotron Radiation **12**, 208-215 (2005)

Actes de conférences

2003

Danger J., Le Fèvre P., Magnan H., Chandesris D., Bourgeois S., Jupille J., Eickhoff T. and Drube W.
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In *AIP-Conference proceedings* **652**, 267-272 (2003)

2004

Sitaud B. and Lequien S.

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Proceedings of Atalante Conference, June 21-24, Nîmes, France, P2-46 (2004)

2005

Moulin B., Hennet L., Thiaudière D., Melin P. and Simon, P.

"Raman spectroscopy and X-ray diffraction of lithium niobate at temperature up to 1300°C"
Journal de physique IV, proceedings de congrès, (2005)

Conférences invitées

2002

D. Chandesris

"Surface extended x-ray absorption fine structure studies of metastable magnetic thin films and nanostructures"

Heraeus seminar on « Spin-Orbit Interaction and Local structure in Magnetic Systems with reduced dimensions » Berlin, Allemagne, 2002

D. Chandesris

"Photoemission, Surface science, electronic structure"

Indo-French meeting on INDUS-SOLEIL synchrotrons, Indore, Inde, sept. 2002

C. Miron

"Molecular deformation of core excited species probed by high resolution electron spectroscopy and resonant Auger electron-ion coincidences"

19th International Conference on X-ray and Inner-Shell Processes, Rome, Italy, 24-28 June 2002

P. Morin

"Molecular deformation of core excited species probed by high resolution resonant Auger and electron/ion coincidence spectroscopies"

In *"Dynamics in Core-Excited Molecules 2002"*, *IWP2002 satellite*, Hiroshima, Japan, 2002

P. Morin

Dynamics probed by temporally or energy resolved measurement

Round table organization, IWP2002, Spring8, Japan, August 2002

M. Sauvage-Simkin

"New opportunities for advanced research in Chemical Sciences at SOLEIL"

EUROCHEM 2002, Toulouse 8-11 juillet 2002

M. Sauvage-Simkin

"SOLEIL: presentation of the new synchrotron radiation facility and overview of the on-going beamline programme"

TXRF 2002, Madeira (P), 9-13 sept 2002

2003

C. Miron

"Auger decay dynamics of inner-shell excited isolated molecules",

Synchrotron Radiation and VUV Photochemistry Workshop, Daresbury, UK, 10-11 September 2003

P. Morin

"Femtosecond inner shell dynamics probed by Auger electron - ion coincidences"
Gordon conference "Photoions, Photoionization & Photodetachment" Oxford, 2003

M. Sauvage-Simkin

"SOLEIL : a new 3rd generation source for competitive X-ray diffraction research"
ECM21, 21st European Crystallographic Meeting, Durban (South Africa) 22-30 Aout 2003

2004

D. Chandesris

"Hard X-ray resonant electronic spectroscopy in strongly correlated electron systems"
Japanese-French meeting on strongly correlated electron systems Himeiji, Japon (2004)

D. Chandesris

"SOLEIL : present status and potential"
8th European Conference on Accelerators and Applied Research and Technology, Paris, septembre 2004

C. Miron, D. Céolin, M. Simon, P. Morin

"Femto-second dynamics probed by high resolution electron spectroscopy and coincidence techniques"
14th International Conference on Vacuum Ultraviolet Radiation Physics, Cairns, Australia, 19-23 July 2004

P. Morin

"Present Status of the SOLEIL project"
Chemical Physics conference, 5-8 juillet, Orsay, 2004

P. Morin

"SOLEIL, the new French light source"
VUV14, Cairns, Australia, 19-23 July 2004

D. Raoux

Congrès sur le Rayonnement Synchrotron, Pologne, 8-12 juillet 2004

M. Sauvage-Simkin

« Utilisation de SOLEIL pour l'étude de la phase condensée »
UVX2004, Saint-Etienne, Juillet 2004

A.Taleb-Ibrahimi, R.Flammini, F.Wiame, R.Belkhou, L.Gregoratti, A.Barinov, M.Marsi et M.Kiskinova

« Hautes résolutions énergétique et spatiale utilisant le rayonnement synchrotron, appliquées à l'étude d'interfaces métal/si hydrogéné »
Journées Surfaces – Interfaces JSI 2004 Mulhouse 28-30 Janvier 2004

A.Taleb-Ibrahimi

« Photoemission Spectroscopy at Soleil »
LURE/SOLEIL Users Meeting LSUM, février 2004

2005

N. de Oliveira, D. Joyeux, D. Phalippou, J.C. Rodier, F. Polack, L. Nahon and M. Vervloet

"A fourier-transform spectrometer without beamsplitter : towards high resolution in the VUV-EUV range"
New trends in gas phase VUV/soft-X rays high resolution spectroscopies, Orsay 21-22 mars 2005.

C. Miron

"Intramolecular chemical reactivity stimulated by nuclear motion following core excitation"
7th International Workshop on Photoionisation (IWP 2005), Campinas, Brazil, 27-31 juillet 2005

P. Morin

"Core excitation induced femtochemistry of methyl chloride probed by coincidences"
X05, X ray processes and inner shell phenomena, Melbourne, Australia, 4-7 juillet 2005

L. Nahon

“Production and analysis of VUV synchrotron Circularly Polarized Light : application to the irradiation of D,L-Leucine in link with the homochirality of life issue”

Chirality in Molecular Physics Seminar, Paris 7 – 10 mars 2005.

L. Nahon

“Circular dichroism in the valence photoionization of chiral molecules probed by photoelectron imaging”

International Workshop on Photoionization 2005, Campinas (Brésil) 27-31 juillet 2005.

L. Nahon

“A high resolution variable polarization VUV beamline at SOLEIL named DESIRS”

Symposium “New Science in the VUV/Soft X Ray Range: Advanced Undulator Beamlines and Free Electron Lasers”, Campinas (Brésil) 1^{er} août 2005.

A. Taleb-Ibrahimi

« La photoémission à Soleil »

Colloque Matériaux et Phénomènes Quantiques MPQ, Fontainebleau 20-22 mars 2005

Participation à des écoles thématiques

2002

M. Sauvage-Simkin

« The new X-ray sources »

HERCULES, Orsay, avril 2002

2003

M. Sauvage-Simkin

« Surface Diffraction »

Scuola di Fisica della Materia, Turin, 8-19 sept. 2003

M. Sauvage-Simkin

« The new X-ray sources »

HERCULES, Orsay, mars 2003

2004

D. Chandesris

« Spectroscopie d'électrons à SOLEIL »

ELSPEC 2004, Saclay, 29-31 mars 2004

D. Chandesris

« Présentation de SOLEIL »

Ecole XAS de LURE à SOLEIL, Aussois, juin 2004

M. Sauvage-Simkin

« Third and fourth generation X-ray sources; overview of SOLEIL »

HERCULES, LLB-Saclay, mars 2004

2005

D. Chandesris

« Surface science at SOLEIL »

HERCULES, Saclay, 16 mars 2005

L. Nahon

“Gas phase species interacting with the synchrotron radiation”

HERCULES, Summer School, Trieste, Italie, 15 mars 2005

L. Nahon

« Introduction au rayonnement synchrotron : cas de Soleil »
Ecole d'été de la DSM/CEA, Giens, 7 juin 2005

M. Sauvage-Simkin

« Surface Diffraction : an introduction »
XII International summer school "Nicola Cabrera" « SynchrotronLight, a powerful tool for materials analysis », Madrid (Spain) 19-23 sept. 2005

A.Taleb-Ibrahimi

« Table ronde – Matériaux »
Colloque SLICING à Soleil, Orsay février 2005

A.Taleb-Ibrahimi

Ecole thématique – Self Organised Nanostructures – Cargèse 17-23 juillet 2005

M. Sauvage-Simkin

« Third and fourth generation X-ray sources; overview of SOLEIL »
HERCULES, LLB-Saclay, mars 2005

Chimie

Articles de périodiques

2004

Brubach J. B., Ollivon M., Jannin V., Mahler B., Bourgaux C., Lesieur P. and Roy P.

Structural and thermal characterization of mono- and di-acyl polyoxyethylene glycol by infrared spectroscopy and X-ray diffraction coupled to differential calorimetry
J. Phys. Chem. B, 108, 17721-17729 (2004)

Di Monte R., Fornasiero P., Desinan S., Kaspar J., Gatica J.M., Calvino J.J. and Fonda E.

Thermal stabilization of Ce x Zr $1-x$ O 2 oxygen storage promoters by addition of Al 2 O 3 : Effect of thermal aging on textural, structural, and morphological properties
Chemistry of materials 16, 4273-4285 (2004)

2005

Baudelet F., Belkhou R., Briois V., Coati A., Dumas P., Etgens V.H., Flank A.-M., Fontaine P., Garreau Y., Lyon O., Quinkal I., Rochet F., Roy P., Sauvage M., Sirotti F., Somogyi A., Thiaudière D.
SOLEIL a new powerful tool for Materials Science
Oil and Gas Science and Technology, (2005) in press

Briois V., Lützenkirchen-Hecht D., Villain F., Fonda E., Belin S., Griesebock B. and Frahm R.

Time-Resolved Study of the Oxidation of Ethanol by Cerium(IV) Using Combined Quick-XANES, UV-Vis, and Raman Spectroscopies
Journal of Physical Chemistry A 109, 320-329 (2005)

Brubach J.B., Mermet A., Filabozzi A., Gerschel A. and Roy P.

Signatures of the hydrogen bonding in the infrared bands of water
J. Chem. Phys. B 122 (19) Art. n° 184509, (2005)

Cotte, M., Walter, P., Tsoucaris, G. and Dumas P.

Studying skin of an Egyptian mummy by infrared microscopy.
Vibrational Spectroscopy 38, 159-167 (2005)

Creigh D., MacKinlay J. and Dumas P.

The Design of the Infrared beamline at the Australian Synchrotron
Elsevier Science, accepté

Dumas, P. Polack F, Lagarde B., Chubar O., Giorgetta J.L. and Lefrançois S.
Synchrotron Infrared Microscopy at the French Synchrotron facility SOLEIL
Infrared Physics and Technology, accepté (2005)

Fustin C. A., Haq S., Wingen A., Gregoire C., Raval R., Dumas P., Hannam J.S., Leigh D.A. and Rudolf P.
IR investigation of a catenane adsorption on Au(111)
Surface Science **580**, 57-62 (2005)

Hein M., Lilie P., Dumas P., Sinther M., Pucci A., Bruckhauer M. and Otto A.
Relation between surface resistance, infrared-, surface enhanced infrared- and Raman spectroscopy of CO and C₂H₄ on copper
Surf. Sci. sous presse

Chapitres

2005

Carr, G. L., Chubar, O. and Dumas P.
Multichannel Detection with Synchrotron Light Source: Design and Potential
in *Spectrochemical Analysis Using Multichannel Infrared Detectors*. ed. Bhargava, R. a. L. I. accepté 2005
(Blackwell Publishing, parution 2006)

Conférences invitées

2004

P. Roy
"Using infrared spectroscopy for understanding the dynamics in confining systems"
IMAS Meeting (Infrared Microscopy and Spectroscopy with Advanced Light Sources) European Scientific Foundation Exploratory Workshops series. Trieste, Italy, October 28th - 30th 2004

2005

P. Roy
"Exploiting Synchrotron Infrared Spectra Using ab Initio Calculations"
SCI 2005 (9th World Multi-Conference on Systemics, Cybernetics and Informatics, Session: Computer contribution in chemistry for structure refinement and modelling. Orlando, U.S.A. 10 - 13 July 2005

P. Roy

"Infrared beamline on the third generation synchrotron radiation facility SOLEIL"
International Workshop on Infrared Microscopy and Spectroscopy with Accelerator Based Sources, Rathen, Germany, 26th - 30th June 2005

Biologie

Articles de périodiques

2002

Abrescia, N.G.A, Thompson, A, Huynh-Dinh, T and Subirana, J.A.
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