



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Pascal Parois**
Address 18, rue Pascal
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E-mail(s) pascal22p@parois.net
Nationality French
Date of birth 22 May 1981
Gender Male

Desired employment / Occupational field **Research scientist (available)**

Work experience

Dates	December 2005 - October 2009
Occupation or position held	PhD student
Main activities and responsibilities	Study of the correlation between the structure and the magnetic properties of clusters, chains and single-molecule magnets as a function of pressure. Synthesis of the molecules. High pressure crystallography with a beryllium free DAC using a synchrotron source, high pressure magnetism with a CuBe or a NiCrAl piston cylinder pressure cell using a MPMS.
Name and address of employer	Glasgow university University avenue, G12 0PR Glasgow (United Kingdom)
Dates	February 2005 - June 2005
Occupation or position held	Postgraduate student
Main activities and responsibilities	Organic synthesis of a tris-bipyridinic ruthenium complex for tracing an injectable bone substitute. Organic synthesis of bipyridinic ruthénium complex for Langmuir-Blodgett films. Functionalisation of 5,5'-dimethyl-2,2'-bipyridine and 4,4'-dimethyl-2,2'-bipyridine.
Name and address of employer	Université de Nantes 2, rue de la Houssinière, 44322 Nantes (France)
Dates	April 2002 - June 2002
Occupation or position held	Undergraduate student
Main activities and responsibilities	Organic synthesis based on Buchwald research (C-N coupling catalysed by Palladium complex). Parallel synthesis to explore some catalysts and ligands. Reactions were followed by GPC.
Name and address of employer	Rhodia research centre 85, avenue des frères Perret, 69190 St Fons (France)
Dates	01 July 2001 - 31 July 2001
Occupation or position held	Summer job
Main activities and responsibilities	Creation of an EXCEL database for the catalysts
Name and address of employer	Rhodia research centre 85, avenue des frères Perret, 69190 St Fons (France)

Education and training

Dates	12/2005 - 10/2009
Title of qualification awarded	Doctor of Philosophy
Principal subjects / occupational skills covered	The effect of pressure on clusters, chains and single-molecule magnets.
Name and type of organisation providing education and training	Glasgow university (School of chemistry) university avenue, G12 8QQ Glasgow (United Kingdom)
Dates	2004 - 2005
Title of qualification awarded	Master 2 recherche (Postgraduate year following my master in chemistry)
Principal subjects / occupational skills covered	Organic chemistry, pharmaco-chemistry
Name and type of organisation providing education and training	Université de Nantes (Faculté des sciences) 2, rue de la Houssinière, 44322 Nantes (France)
Dates	2003 - 2004
Title of qualification awarded	Maitrise de chimie (master in chemistry)
Name and type of organisation providing education and training	Université de Nantes (Faculté des sciences) 2, rue de la Houssinière, 44322 Nantes (France)
Dates	2002 - 2003
Title of qualification awarded	Licence de chimie (First degree in chemistry)
Name and type of organisation providing education and training	Université de Nantes (Faculté des sciences) 2, rue de la Houssinière, 44322 Nantes (France)
Dates	2000 - 2002
Title of qualification awarded	DUT de chimie (Higher National Diploma in chemistry)
Name and type of organisation providing education and training	IUT A Lyon 1 43, Bd du 11 Novembre 1918, 69622 Villeurbanne (France)
Dates	1998 - 1999
Title of qualification awarded	Baccalauréat série S
Name and type of organisation providing education and training	Lycée Charles de Foucauld 6, rue Bara, 69003 Lyon (France)

Personal skills and competences

Mother tongue(s) **French**

Other language(s)

Self-assessment
European level (*)

english

spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences	Administrator of http://blog.debroglie.net - rpm repository for chemistry softwares; Active member of the fedora-fr association: documentation writing, support on IRC or forum (http://www.fedora-fr.org).
Computer skills and competences	Good knowledge on linux environment (archlinux, fedora, centos) and windows environment; Good knowledge in programming: (X)HTML, PHP & MySQL, LaTeX, Fortran, python; scientific softwares used: Brüker suite, crystals, platon, fityk, gnuplot.
Artistic skills and competences	Construction of ship models; genealogical research (http://genealogie.parois.net).
Driving licence(s)	B

Annexes

Publications:

S. A. Moggach, K. W. Galloway, A. R. Lennie, P. Parois, N. Rowantree, E. K. Brechin, J. E. Warren, M. Murrie and S. Parsons, CrystEngComm, accepted.

Pascal Parois, Stephen A. Moggach, John E. Warren, Euan K. Brechin, Mark Murrie, and Simon Parsons, The Effect of Pressure on the Crystal Structure of $[Gd(PhCOO)_3(DMF)]_n$ to 3.7 GPa and the transition to a second phase at 5.2 GPa, under writing.

Referees:

Available on request.