

# CURRICULUM VITAE

EUROPEAN FORMAT

## PERSONAL INFORMATION

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Nationality	<b>Italy</b>

## WORK EXPERIENCE

Dates (from – to)	09/2017 – present : « Professor of Exceptional Class » at Sorbonne University 09/2014 – 08/2017 : Full Professor at Université Pierre et Marie Curie – Sorbonne 09/2011 – 08/2014 : Associate Professor at Université Pierre et Marie Curie – Sorbonne 09/2000 – 08/2011 : Assistant Professor at Université Pierre et Marie Curie – Sorbonne 11/1997 – 08/2000 : Postdoctoral Researcher at University of Pennsylvania (USA)
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Name and address of employer	Sorbonne University, 4 Place Jussieu – 75005 Paris (France)
Type of business or sector	Scientific Research in Condensed Matter Physics and Materials Science
Occupation or position held	Professor – Deputy Dean of the Physics Department
Main activities and responsibilities	Research and Education

## EDUCATION AND TRAINING

Dates (from – to)	1994 – 97 : PhD in Condensed Matter Physics at SISSA Trieste (Italy) 1989 – 94 : Laurea in Physics at University of Messina (Italy)
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Name and type of organisation providing education and training	PhD in Physics at International School for Advanced Studies (SISSA/ISAS) – Trieste, Italy
Principal subjects occupational skills covered	Theoretical calculations in condensed matter physics and materials science
Title of qualification awarded	Professor in Physics

## RESEARCH ACTIVITIES

Research sectors	Molecular systems under extreme conditions of pressure, temperature, electric fields, by ab initio theoretical calculations. Reactivity at mineral/solution interfaces.
Recent Scientific Activities.	Current scientific grants : <b>UPMC Excellence grant – Principal Investigator – 100 000 € (2017-18) Postdoc fellowship</b> <b>DIM “ACAV+” – Principal Investigator – 100 000 € (2018-19), Postdoc fellowship</b> <b>PRACE – Principal Investigator – 5 millions CPU hours</b> <b>GENCI (French National Supercomputing Facility) – PI – 5 millions CPU hours</b>
Books and Articles	95 articles (WoS), among which:  1 Nature 2 Nature Materials 1 Nature Communications (2017) 7 PNAS (2 en 2017) 19 Physical Review Letters (1 en 2017) 2 Journal of the American Chemical Society 1 Chemical Science (1 en 2017) 2 Scientific Reports 1 Chemical Communications (1 en 2018)  Citations: ~3700 h-index: 33

## ADDITIONAL INFORMATION

### 2006 European High Pressure Research Group Young Scientist Award

2017-21 French Prime d'Excellence en Recherche, 1<sup>st</sup> class  
2013-17 French Prime d'Excellence en Recherche, 1<sup>st</sup> class  
2009-13 French Prime d'Excellence en Recherche, 1<sup>st</sup> class  
2005-09 French Prime d'Excellence en Recherche, 2<sup>nd</sup> class

### Current teaching duties:

Chair of Condensed Matter Physics, mandatory 3<sup>rd</sup> year course, 6 ECTS  
Chair of Computational Materials Science, semi-mandatory 5<sup>th</sup> year course, 6 ECTS  
Chair of Modern Electronic Structure Methods, semi-mandatory 5<sup>th</sup> year course, 6 ECTS

### Collective responsibilities:

**Deputy Dean of the Physics Faculty** (220 Faculties, 300 CNRS Researchers, 400 Technical and Administrative Personnels) since February 2013  
Member of the Italian Ministry High Committee for the Evaluation of Research in Physics  
Member of the French National Committee of CNRS for Condensed Matter Physics  
Head of the Condensed Matter Physics program of the Ecole Normale Supérieure prestigious Physics Master “International Centre for Fundamental Physics (ICFP)”.