



## Research Publications

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### Bibliography

- 1 **Thiam, G.**, & Rabilloud, F. (2023). How Accurately Can DFT Describe Non-Valence Anions? *J. Chem. Theory. Comput.* [doi:10.1021/acs.jctc.3c00099](https://doi.org/10.1021/acs.jctc.3c00099)
- 2 Abdoul-Carime, H., **Thiam, G.**, Rabilloud, F., Charlieux, F., & Kopyra, J. (2022). Chemistry in Acetonitrile–Water Films Induced by Slow (<15 eV) Electrons: Application to the Earth and Space Chemistry. *ACS Earth Space Chem.* [doi:10.1021/acsearthspacechem.2c00024](https://doi.org/10.1021/acsearthspacechem.2c00024)
- 3 Kopyra, J., Wierzbicka, P., Tulwin, A., **Thiam, G.**, Bald, I., Rabilloud, F., & Abdoul-Carime, H. (2021). Experimental and Theoretical Studies of Dissociative Electron Attachment to Metabolites Oxaloacetic and Citric Acids. *Int. J. Mol. Sci.*, 22, 7676. [doi:10.3390/ijms22147676](https://doi.org/10.3390/ijms22147676)
- 4 **Thiam, G.**, & Rabilloud, F. (2021). Multi-Basis-Set (TD-)DFT Methods for Predicting Electron Attachment Energies. *J. Phys. Chem. Lett.*, 12, 9995–10001. [doi:10.1021/acs.jpcllett.1c02980](https://doi.org/10.1021/acs.jpcllett.1c02980)
- 5 **Thiam, G.**, Charlieux, F., Mignon, P., Rabilloud, F., & Abdoul-Carime, H. (2020). Decomposition of Carbon Tetrachloride on Gold Surfaces. *J. Phys. Chem. C*, 124, 20874–20880. [doi:10.1021/acs.jpcc.0c04492](https://doi.org/10.1021/acs.jpcc.0c04492)

### Conferences

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27 <sup>th</sup> of June-1 <sup>st</sup> of July 2022	<b>French Speaking Theoretical Chemists meeting (RCTF), Bordeaux, France</b> <i>oral presentation</i>
13 <sup>th</sup> -17 <sup>th</sup> of June 2022	<b>25<sup>th</sup> ETSF Workshop on electronic excitations, Leuven, Belgium</b> <i>oral presentation</i>
10 <sup>th</sup> -13 <sup>th</sup> of January 2022	<b>GDR NBody General Meeting , Toulouse, France</b> <i>oral presentation</i>
9 <sup>th</sup> -10 <sup>th</sup> of December 2021	<b>JTMS, Journées "Théorie Modélisation Simulation" , Rennes, France</b> <i>oral presentation</i>
9 <sup>th</sup> -10 <sup>th</sup> of November 2021	<b>GDR Thems Annual Meeting 2021 , Toulouse, France</b> <i>oral presentation</i>
20 <sup>th</sup> -23 <sup>rd</sup> of September 2021	<b>Rencontres de Chimie-Physique 2021, Sète , France</b> <i>oral presentation</i>
20 <sup>th</sup> -24 <sup>th</sup> of July 2021	<b>virtual ICPEAC, "International Conference on Photonic, Electronic and Atomic Collisions" , Online</b> <i>poster presentation</i>
25 <sup>th</sup> -27 <sup>th</sup> of May 2021	<b>GDR EMIE General Meeting 2021, Fréjus, France</b> <i>oral presentation</i>

### Skills

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Languages	Estimated written and oral level : English (C2), Spanish (C2), Italian (B1), French (native).
Scientific	Quantum Chemistry, Theory Development, Quantum Electro-Dynamics, <i>Ab initio</i> methods, Density Functional Theory, Post-Hartree-Fock methods, Coupled-Cluster, Möller-Plesset, Gaussian 16, VASP, Molpro ...
Coding	C/C++, Python, LaTeX ...
Misc.	Academic research, teaching, and writing articles.