

Marin Vojković

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EDUCATION

Ph.D., Physics, Université Claude Bernard Lyon 1, 2013-2016

Dissertation: *Synthesis and reactivity of small and ligated small metal complexes*

Dissertation Advisor: Philippe Dugourd, PhD.

Master of Physics, Faculty of Natural Sciences and Mathematics University of Split, 2009-2012

Thesis: *Spatial and Geological Distribution of Mars Craters from MOLA Data*

Thesis Advisor: Dejan Vinković, Ph.D.

Bachelor of Physics, Faculty of Natural Sciences and Mathematics University of Split 2006-2009

TEACHING EXPERIENCE

Teaching Assistant, Faculty of Natural Sciences and Mathematics University of Split, 2016 (winter semester)

Course: Osnove Meteorologije

RESEARCH EXPERIENCE

Postdoctoral Fellow, PhLAM Laboratory, Université de Lille, 2017-2019

Physico-chemical investigations of atmospheric interest aerosols, and experimental development of surface chemical composition methods, coupling mass spectrometry and laser ionization and desorption. (Employed on a Labex CaPPA – Laboratory of Excellence CaPPA - Chemical and Physical Properties of the Atmosphere grant)

SELECTED CONFERENCES

10th International Aerosol Conference, 2018

Vojkovic M., Duca D., Carpentier Y., Ziskind M., Faccinnetto A., Focsa C., "Original Approach for Determining Surface Binding Energy of Particle-adsorbed PAHs Using L2MS Signal Decay"

Conference on Laser Ablation (COLA), 2017

Vojkovic M., Noble J., Duca D., Kenny S., Carpentier Y., Irimiea C., Ziskind M., Faccinnetto A., Focsa C., "Influence of the Desorption and Ionization Wavelengths for the Surface Chemical Analysis of Soot Particles by L2MS"

Cambridge Particle Meeting, 2017.

Vojkovic M., Noble J., Duca D., Kenny S., Carpentier Y., Irimiea C., Ziskind M., Faccinnetto A., Focsa C., "Surface chemical analysis of soot aerosols by Two-step Laser Mass Spectrometry: Improvements of sensitivity and selectivity"

Gordon Research Conference -2015 Clusters & Nanostructures

Vojkovic, M; Rayane, D; Bertorelle, F; Antoine, R; Broyer, M; Dugourd, P; "Synthesis of ligated-metal species by laser vaporization & ESI (LAVESI) and their gas phase reactivity"

PUBLICATIONS LIST

1. D. Duca, C. Irimiea, A. Faccinnetto, J. A. Noble, M. Vojkovic, Y. Carpentier, I. K. Ortega, C. Pirim C. Focsa; "On the benefits of using multivariate analysis in mass spectrometric studies of combustion-generated aerosols", *Faraday Discussions*, 2019, 218.
2. Vojkovic M., Rayane D., Antoine R., Broyer M., Allouche AR., Mignon P., Dugourd P., "Hydrogen-Induced Adsorption of Carbon Monoxide on the Gold Dimer Cation: A Joint Experimental and DFT Investigation", 2017, *Journal of Physical Chemistry A*, 121, 23, 4404-4411.
3. Daly, S; Girod, M; Vojkovic, M; Giuliani, A; Antoine, R; Nahon, L; O'Hair, R.A.J.; Dugourd, P. "Single-Photon, Double Photodetachment of Nickel Phthalocyanine Tetrasulfonic Acid 4- Anions", 2016, *The Journal of Physical Chemistry Letters*, 7, 2586-2590.
4. Vojkovic, Marin; Rayane, Driss; Bertorelle, Franck; Antoine, R; Broyer, M; Dugourd, P. "Synthesis of ligated-metal species by laser vaporization electrospray ionization (LAVESI)", 2015, *International Journal of Mass Spectrometry*, 387, SI, 45-50.
5. Girod, Marion; Sanader, Zeljka; Vojkovic, Marin; Antoine, R; MacAleese, L; Lemoine, J; Bonacic-Koutecky, V; Dugourd, P. "UV Photodissociation of Prolinecontaining Peptide Ions: Insights from Molecular Dynamics", 2015, *Journal of the American Society for Mass Spectrometry*, 26, 3, 432-443.
6. Russier Antoine, I; Bertorelle, F; Vojkovic, M; Rayane, D; Salmon, E; Jonin, C; Dugourd, P; Antoine, R; Brevet, PF. "Non-linear optical properties of gold quantum clusters. The smaller the better", 2014 *Nanoscale*, 6, 22, 13572-13578
7. Salamunićar, G., Lončarić, S., Vinković, D., Vučina, D., Gomerčić, M., Pehneć, I., Vojković, M., Hercigonja, T. "Test-field for evaluation of laboratory craters using a Crater Shape-based interpolation crater detection algorithm and comparison with Martian and Lunar impact craters" 2012, *Planetary and Space Science*, 71, 106.