



Personal Information

Name: Stefano Vecchio Ciprioti
Location: Roma, IT
AICAT member since: 1998



Position: Associate Professor of Chemical Foundations of Technologies CHIM/07

Affiliation: Department of Basic and Applied Science for Engineering, Sapienza University of Roma,
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Education and positions: Graduation in Chemistry (1991) at Sapienza University of Rome; P.h.D. Chemical Sciences, Sapienza University of Rome (1991-1994), Assistant Professor of Chemical Foundations of Technologies, CHIM/07, (1996-2019); Associate Professor of Chemical Foundations of Technologies (2019).

Main fields of interest: Kinetic study of thermal degradation of organic, inorganic and hybrid materials; Thermal analysis of several classes of systems (foods, hybrids, geopolymers and ceramics, pharmaceuticals, pesticides, imidazole complexes, ancient mortars, perovskites), thermodynamic study of vaporization of ionic liquids.

Methods: Thermogravimetric Analysis (TGA), Differential Thermal Analysis (DTA), Differential Scanning Calorimetry (DSC), Fourier Transform InfraRed (FTIR) spectroscopy.

Professional activities: Associate Editor of the Journal of Thermal Analysis and Calorimetry (Springer); Member of the Editorial Board of Thermochimica Acta (Elsevier).

Publication record Scopus (April 2019): documents (118), citations (1404), *h*-index (21)

Equipments: Stanton Redcroft STA 625 Simultaneous TG/DSC, Stanton Redcroft STA 1500 Simultaneous TG/DTA, Nicolet Impact 410 FTIR Spectrophotometer, Quartz Crystal Microbalance equipment (home made).

5 most important publications:

Materazzi, S., Vecchio, S., Wo, L.W., De Angelis Curtis, S. Thermoanalytical studies of imidazole-substituted coordination compounds : Mn(II)-complexes of bis(1-methylimidazol-2-yl)ketone. J. Therm. Anal. Calorim. 2011;103(1):59-64

<https://doi.org/10.1007/s10973-010-1137-6>

Brunetti, B., Ciccio, A., Gigli, G., (...), Tanzi, L., Vecchio Ciprioti, S. Vaporization of the prototypical ionic liquid BMImNTf2 under equilibrium conditions: A multitechnique study. Phys. Chem. Chem. Phys. 2014;16(29):15653-15661

<https://doi.org/10.1039/c4cp01673d>

Duce, C., Vecchio Ciprioti, S., Ghezzi, L., Ierardi, V., Tinè, M.R. Thermal behavior study of pristine and modified halloysite nanotubes: A modern kinetic study. J. Therm. Anal. Calorim. 2015;121(3):1011-1019

<https://doi.org/10.1007/s10973-015-4741-7>

Catauro, M., Bollino, F., Papale, F., Vecchio Ciprioti, S. Investigation on bioactivity, biocompatibility, thermal behavior and antibacterial properties of calcium silicate glass coatings containing Ag. J. Non-Cryst. Solids 2015;422:16-22

<https://doi.org/10.1007/s10973-015-4799-2>

Santella, C., Cafiero, L., De Angelis, D., La Marca, F., Tuffi, R., Vecchio Ciprioti, S. Thermal and catalytic pyrolysis of a mixture of plastics from small waste electrical and electronic equipment (WEEE). Waste Manage. 2016;54:143-152

<https://doi.org/10.1016/j.wasman.2016.05.005>