

Curriculum Vitae

Personal information

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Francesca COSTABILE

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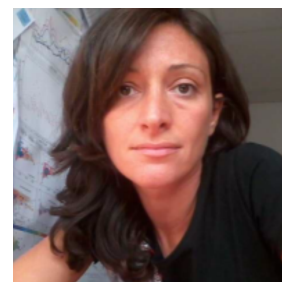
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Science interests and resume

Ph.D. in mechanical engineering - on combustion generated ultrafine particles in the urban atmosphere. Postgraduate degree in environmental Chemistry. Degree - cum laude - in environmental engineering. Post-doc/Visiting researcher in Germany working on ultrafine aerosol particles in urban atmosphere (IFT, Leipzig). Visiting researcher in China (Tsinghua university and Peking university - Beijing, Shanghai, Suzhou) dealing with urban air pollution in megacities.

Contract professor and Lecturer at the University of Rome Tor Vergata (Physics and Engineering departments) and Venice International University. Advisor of master and PhD students.

Participated in more than 15 Intl projects: Expert member of the EU CEN/TC 264/Working Group 32 on "Air quality - Determination of the particle number concentration"; Member of the Steering Committee of the project DIAPASON "Desert-dust impact on air quality through model-predictions and advanced sensors observations", Grant agreement LIFE10 ENV/IT/391; Project Coordinator in the framework of the Sino-Italian Cooperation Program for Environmental Protection.

Published more than 20 peer reviewed scientific articles. Participated in several Intl scientific conferences (3 invited lectures). Referee for Intl journals including Atmospheric Chemistry and Physics, Atmospheric Environment, Science of the total Environment, Environmental Monitoring and Assessment.

Science interests: fine and ultrafine urban aerosols with focus on optical/chemical/physical particle properties, and air pollution.

Language skills: Italian (mother tongue), English (fluent), French (fluent), German (beginner), Chinese (beginner).

Since 2002 she has been working at the Italian National Research Council (CNR), where she got a permanent position in 2009 as research scientist (Institute of Atmospheric Science and Climate, ISAC).

CURRICULUM VITAE
Work experience

Dates	2010 - now
Occupation or position held	Scientist/researcher
Main activities and responsibilities	Aerosol particles in the urban atmosphere
Name and address of employer	Consiglio Nazionale delle Ricerche – Institute for Atmospheric Science and Climate , Rome
Dates	2012 - now
Occupation or position held	Contract professor
Main activities and responsibilities	Corso di Chemodinamica dell'Atmosfera (FIS/06 – 8 cfu)
Name and address of employer	University of Rome “Tor Vergata” . Laurea Magistrale in Fisica
Dates	2008
Occupation or position held	Visiting researcher
Main activities and responsibilities	Subject: Particle number size distribution in urban areas.
Name and address of employer	Leibniz Institute for Tropospheric Research (IFT), Leipzig, Germany .
Dates	Nov 2004 – Feb 2008
Occupation or position held	Guest lecturer and PhD student
Main activities and responsibilities	“Corso di Interazioni macchine e ambiente” anno accademico:2004/2005, 2005/2006, 2006/2007. Research work on a PhD thesis.
Name and address of employer	University of Rome “Tor Vergata” . Department of Mechanical Engineering.
Dates	2004 - 2008
Occupation or position held	Guest Lecturer
Main activities and responsibilities	Air quality in urban areas
Name and address of employer	Venice International University, Isola di San Servolo, Venice
Dates	2002 - 2010
Occupation or position held	Scientist / researcher
Main activities and responsibilities	Air pollution in urban areas: the case of Chinese megacities in the framework of the Sino-Italian Cooperation Program for Environmental Protection. (Work carried out in Beijing, Suzhou, Shanghai, Lanzhou.)
Name and address of employer	Consiglio Nazionale delle Ricerche – Institute for Atmospheric Pollution (IIA)
Dates	Mar 2001-Feb 2002
Occupation or position held	Junior consultant (permanent position)
Main activities and responsibilities	Broadband transmission technology. 3-month HP educational training in Data handling and transmission networks (Unix, HP-UX system and network admin, Windows NT, HP openview, Oracle PL/SQL), HP university, Bergamo, Italy
Name and address of employer	Hewlett-Packard Italia, Roma.

Education and training

Dates	Nov 2004 – Feb 08
Title of qualification awarded	Ph.D. (Doctoral degree)
Principal subjects/occupational skills covered	Energy and Environment. Spatial distribution of traffic-related pollutants from tailpipe-to-road-to-ambient: the case of ultrafine-particles.
Name and type of organisation providing education and training	Mechanical Engineering Department of the University of Rome "Tor Vergata",
Dates	Sept 2001 – Jul 2002
Title of qualification awarded	Postgraduate degree
Principal subjects	Environmental Chemistry / Air pollution and environmental protection
Name and type of organisation providing education and training	Chemistry Department of the University of Rome "La Sapienza", Italy
Dates	1995-2000
Title of qualification awarded	"Laurea (vecchio ordinamento)", Environmental Engineering (Ingegneria Ambiente e Territorio) 110/110 cum laude. "Specializzazione : chimica/fluidodinamica".
Principal subjects/occupational skills covered	Dynamics of the Atmosphere, pollutant chemistry. Title of the thesis : "Neural networks for air pollution forecast in an urban area"
Name and type of organisation providing education and training	University of Rome "La Sapienza", Italy

Personal skills/competences

Mother tongue(s)	Italian				
Other language(s)	English, French, German (beginner), Chinese (beginner)				
Self-assessment					
European level (*)					
English					
French					
	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
	B2	B2	B2	B2	B2
	B1	B1	B1	B1	B1
	(*) Common European Framework of Reference for Languages				

Projects

Participation in 15 international research projects:

2011-2014: Member of the Steering Committee of the project **DIAPASON** "Desert-dust impact on air quality through model-predictions and advanced sensors observations" – Under the EU LIFE+ programme, Grant agreement **LIFE10 ENV/IT/391**.

2011- 2013: Progetto "Impatto dell'Inquinamento Ambientale prodotto dagli aeroporti sulla salute dei residenti", Convenzione fra il dipartimento di Epidemiologia del Servizio Sanitario Regionale dell'azienda sanitaria locale Roma e l'ISAC-CNR.

2008 – now: Expert and member of **CEN/TC 264/Working Group 32 "Air quality - Determination of the particle number concentration"** .

2008-2009: **Associate/responsible person**: project **EUSAAR** (European Supersite for Atmospheric Aerosol Research) – www.eusaar.net, Supported by the **European Commission under the 6th Framework Programme**, Contract number: RII3-CT-2006-026140)

2007-2009: **Italian coordinator** of the research project between CNR-IIA and the National Institute of Meteorology and Hydrology of the **Bulgarian Academy of Science (BAN)** in the framework agreement of scientific collaboration between CNR and BAN.

2002-2004: **Project coordinator** of the **bilateral Sino-Italian "Air quality monitoring System – AQMS – phase I"** [2 years/2.3 million euros] Suzhou, **China**.

2003-2004: **Project coordinator** of the bilateral **Sino-Italian "Intelligent Transport System based on Traffic Air Pollution Control, ITS-TAP"** [1 year/500.000 euro] in Beijing, **China**

2004-2007 : **Project coordinator** of the **bilateral Sino-Italian "Air quality monitoring System - AQMS – phase II"** [3 years/2.3 millions euro] Suzhou, **China**

2004-2006: **Project coordinator** of the **bilateral Sino-Italian "Chemical Laboratory"** Beijing, **China**

2004-2007: **Project coordinator** of the **bilateral Sino-Italian "Olympic Village Monitoring"** Beijing, **China** [2 years/2 millions euros].

2005-2007: **Project coordinator** of the **bilateral Sino-Italian "Air Quality Monitoring System and Greenhouse Gas Emission Inventory"** Lanzhou [3 years/1.5 millions euros], **China**.

2005-2007: **Project coordinator** of the bilateral **Sino-Italian "Air Pollution Emission Monitoring- APEM"** Shanghai [2 years/1.167.000 euro], **China**.

2006 **Project planner** of the **bilateral Sino-Italian "Air Quality monitoring Improvement-AQMI"** Urumqi, **China**.

2006- 2009: **Advisor** of two PhD students from Tsinghua university, Beijing.

2007 **Coordinator** of the activities of CNR-IIA in the international research CAREBEIJING project led by the Peking University, Beijing, **China**.

LIST OF PUBLICATIONS

- Costabile, F.**, Barnaba, F., Angelini, F., and Gobbi, G. P.: Characterizing black carbon and brown carbon aerosols by their optical and microphysical properties in an urban Mediterranean area. Manuscript in preparation.
- G. P. Gobbi, F. Angelini, F. Barnaba, **F. Costabile**, J. M. Baldasano, S. Basart, R. Sozzi, and A. Bolignano *Atmos. Chem. Phys. Discuss.*, 13, 4963-4988, 2013
- Costabile, F.**, Barnaba, F., Angelini, F., and Gobbi, G. P.: Identification of key aerosol populations through their size and composition resolved spectral scattering and absorption, *Atmos. Chem. Phys.*, 13, 2455-2470, doi:10.5194/acp-13-2455-2013, 2013.
- Liu, Z., Wang, Y., Gu, D., Zhao, C., Huey, L. G., Stickel, R., Liao, J., Shao, M., Zhu, T., Zeng, L., Amoroso, A., **Costabile, F.**, Chang, C.-C., and Liu, S.-C.: Summertime photochemistry during CAREBeijing-2007: ROx budgets and O₃ formation, *Atmos. Chem. Phys.*, 12, 7737-7752, doi:10.5194/acp-12-7737-2012, 2012.
- Zhang, Z., Wang, F., **Costabile, F.**, Allegrini, I., Liu, F., Hong, W. Interpretation of ground-level ozone episodes with atmospheric stability index measurement. *Environ Sci Pollut Res*, DOI 10.1007/s11356-012-0867-3, 2012
- Liu, Z., Wang, Y., Gu, D., Zhao, C., Huey, L.G., Stickel, R., Liao, J., Shao, M., Zhu, T., Zeng, L., Amoroso, A., and **Costabile, F.** Evidence of Reactive Aromatics As a Major Source of Peroxy Acetyl Nitrate over China. *Environ. Sci. Technol.*, 2010, 44 (18), pp 7017–7022 DOI: 10.1021/es1007966
- Costabile, F.**, Bertoni, G., De Santis, F., Bellagotti, R., Ciuchini, C., Vichi, F., Allegrini, I. Spatial distribution of urban air pollution in Lanzhou, China. *Open Environ Pollut Toxicol J*, 2010, 2, 8-15.
- Costabile, F.**, Amoroso, A., Wang, F., Sub- μm particle size distributions in a suburban Mediterranean area. Aerosol populations and their possible relationship with HONO mixing ratios, *Atmospheric Environment* (2010), *Atm. Env* 44, 39, 5258-5268, doi:10.1016/j.atmosenv.2010.08.018).
- Wang, F., **Costabile, F.**, Li, H., Fang, D., Allegrini, I., Measurements of Ultrafine Particle Size Distribution near Rome. *Atmospheric Research* 98 (2010) 69–77.
- Costabile, F.**, Birmilli, W., Klose, S., Tuch, T., Wehner, B., Wiedensohler, A., Franck, U., König, K., and Sonntag, A.: Spatio-temporal variability and principal components of the particle number size distribution in an urban atmosphere, *Atmos. Chem. Phys.*, 9, 3163-3195, 2009.
- Wang, F., **Costabile, F.**, Liu, F., Hong, W., Fang, D., Allegrini, I. Ambient BTX measurements in Suzhou, China. *J. of Environ. Monit. Assess.*, 2009, DOI 10.1007/s10661-009-1088-1
- Bai Xiaoping, Li Hong, Fang Dong, Wang Fenjuan, **F. Costabile**. Application Research of Ensemble Kalman Filter in Air Pollution Numerical Prediction, *Huanjing Kexue/Environmental Science*, 29 (2), pp. 283-289. (2008)
- Costabile, F.**, Allegrini, I., 2008. A new approach to link transport emissions and air quality: an intelligent transport system based on the control of traffic air pollution. *Environ Model Software*, 23 (3), 258-267, DOI 10.1016/J.envsoft.2007.03.001
- Costabile, F.**, Allegrini, I., 2007. Measurements and analysis of nitrogen oxides and ozone in the yard and on the roof of a street-canyon in Suzhou. *Atmospheric Environment*, Vol 41(31) pp 6637- 6647 doi:10.1016/j.atmosenv.2007.04.018
- Costabile, F.**, Bertoni, G., Desantis, F., Wang, F., Hong, W., Liu, F., Allegrini, I., 2006. A preliminary assessment of major air pollutants in the city of Suzhou, China. *Atmospheric Environment Volume 40*, Issue 33, Pages 6380-6395
- Costabile, F.**, Desantis, F., Wang, F., Hong, W., Liu, F. and Allegrini, I., 2006. Representativeness of urban highest polluted zones for siting traffic-oriented air monitoring stations in a Chinese City. *JSME Int. J.-B- Fluids and Therm. Engin.* Volume 49, Issue 1, Pages 35-41
- Costabile, F.**, Wang, F., Hong, W., Liu, F. and Allegrini, I., 2006. Spatial distribution of traffic air pollution and evaluation of transport vehicle emission dispersion in ambient air in urban areas. *JSME Int. J.-B-Fluids and Therm. Engin.* Volume 49, Issue 1, Pages 27-34.
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- Costabile, F.**, B. Zani & I. Allegrini, 2008. Spatial distribution of ultrafine particles at urban scale: the road-to-ambient stage. In: "Air Pollution XVI", pp., C.A. Brebbia & J.W.S. Longhurst (ed.), WIT press, UK (ISSN: 1743-3541)
- Allegrini, I., **Costabile, F.**, 2008. Monitoring air quality and apportioning urban sources of air pollution. Experiences in China. In: Sustainable development and environment protection, M.L. Gullino, I. Musu, C. Clini, Y. Xiaoling (ed.), Springer press, (English, Chinese)
- Costabile, F.**, Wang, Q., Bertoni, Ciuchini, Wang, F., Allegrini, I. 2006. A preliminary assessment of BTX pollution in urban air in the city of Lanzhou. In: "Air Pollution XIV", pp.241-250, J. Longhurst & C.A. Brebbia (ed.), WIT press, UK [doi:10.2495/AIR06025, ISSN 1743-3541 (on-line)].
- Costabile, F.**, Wang, F., Hong, W., Liu, F., Allegrini, I. 2006. CFD modelling of traffic-related air pollutants around urban street-canyon in Suzhou. In: "Air Pollution XIV", Volume 86, pp.297-306. J. Longhurst & C.A. Brebbia (ed.), WIT press, UK [doi:10.2495/AIR06030, ISSN 1743-3541 (on-line)].
- Costabile, F.**, Paciucci, L. and Allegrini, I., 2005. Assessment and management of urban air pollution: a new project in Shanghai. In: "Urban Transport XI: Urban transport and the environment in the 21st century", series Advances in Transport, Volume 18, pp. 467-477, WIT press, C.A. Brebbia and L. Wadhwa (Ed.), UK [doi:10.2495/UT050451, ISSN 1743-3509 (on-line)].
- Allegrini, I., & **Costabile, F.** 2004. An Intelligent Transport System based on Traffic Air Pollution Control. In: "Air Pollution XII", series Advances in Air Pollution, Volume 14, pp. 541-550, C.A. Brebbia (ed.), WIT press, UK [doi:10.2495/AIR040531, ISSN 1743-3541 (on-line)].
- Allegrini, I., Paternò, C., Biscotto, M., Hong, W., Liu, F., Yin, Z., & Costabile, F., 2004. According to Framework Directive 96/62/EC, preliminary assessment as a tool for Air Quality Monitoring Network Design in a Chinese City. In: "Air Pollution XII", series Advances in Air Pollution, Volume 14, pp. 414-424, C.A. Brebbia (ed.), WIT press, UK [doi:10.2495/AIR040411, ISSN 1743-3541 (on-line)].
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- Costabile, F.** Spatial distribution of traffic-related pollutants from tailpipe-to-road-to-ambient. the case of ultrafine-particles. Ph.D. thesis 02/2008, University of Rome Tor Vergata (<http://hdl.handle.net/2108/500>)

- Wang Fenjuan, Fang Dong, Li Hong, F. Costabile,(2009). A review of atmospheric ultrafine particles measurements and simulations. Environmental pollution and control. (In Chinese)
- Costabile, F. , Allegrini,I. China-Italy- Scientific and technical experiences, 2007. CNR-IIA Press, CNR/IIA/2007/2400, ISBN 978-88-6224-000-0 Rome, Italy, pag. 255.
- Bai, X., Li,H., Fang, D., Hu, F., Costabile, F., Wang, F., 2007. Application of data assimilation in air quality prediction. Advances in Earth Science, Volume 22 , Pages 66-73
- Bai Xiao ping, Zhang Qi ming, Fang Dong, Hong Wei ming, Liu Fenglie, Francesca Costabile. Application of Artificial Neural Network to Air Pollution Prediction in Suzhou City Science and technology review. 2007,25(3), 45-49.
- Allegrini, I., Costabile, F., Ancora, M.P., 2007. Inquinamento e megalopoli: quanto possiamo insegnare e quanto possiamo imparare. Inquinamento, N. 89 ,pag.32-39 (Italian).
- Bai Xiaoping , Li Hong , Fang Dong , Francesca Costabile, Liu Fenglei. Applications Research of Data Assimilation in Air pollution Numerical Prediction. Environmental science. 2008,29(2),11-17.
- Bai, X., Li,H., Zhang, Q., Costabile, F., Fang, D., 2006. Progress of research on artificial neural network in air pollution prediction. Science & Technology Review 24 (12), 77-81 (in Chinese/Abstract English).

- Costabile, F, S. Gilardoni, F. Barnaba, M. Rinaldi, S. Ferrari, V. Poluzzi, G. P.Gobbi: Coupling optical and chemical properties of primary and secondary carbonaceous aerosols, EUROPEAN AEROSOL CONFERENCE 2013, Prague.
- Gobbi, G.P., F. Barnaba, , F. Costabile, L. Di Liberto, C. Tirelli, R.Sozzi, Bolignano, M.,Morelli : DIAPASON: an user-oriented EC-LIFE+ Project to quantify the role of Saharan dust on European PM10 levels, EUROPEAN AEROSOL CONFERENCE 2013, Prague.
- Gobbi, G.P., H. Wille, R. Sozzi, S. Frey, A. Bolignano , F. Costabile, F. Angelini, and F. Barnaba : DIAPASON: A better assessment of the impact of Saharan dust on PM measurements, EUROPEAN AEROSOL CONFERENCE 2012, Granada (008 A-WG01S1P08).
- Costabile, F., Barnaba, F., Angelini, F., and Gobbi, G. P.: Characterizing black carbon and brown carbon aerosols by their optical and microphysical properties in an urban Mediterranean area. Geophysical Research Abstracts Vol. 15, EGU2013-6769, 2013.
- Costabile, F., Barnaba, F., Angelini, F., and Gobbi, G. P.: Spectral dependence of in-situ aerosol optical properties EUROPEAN AEROSOL CONFERENCE 2012, Granada (012 A-WG01S1P12).
- Di Menno di Bucchianico, A., G. Cattani, A. Gaeta, A. Caricchia, F. Troiano, R. Sozzi, A. Bolignano, F. Sacco, S. Damizia, S. Barberini, R. Caleprico, T. Fabozzi, C. Ancona, L. Ancona, G. Cesaroni, F. Forastiere, G.P. Gobbi, F. Costabile, F. Angelini, F. Barnaba, M. Inglessis, F. Tancredi, L. Palumbo, L. Fontana, A. Bergamaschi, I. Iavicoli: The contribution of Rome-Ciampino airport to the surrounding air quality, EUROPEAN AEROSOL CONFERENCE 2012, Granada (140 C-WG05S1P67).
- Gobbi, G.P., H. Wille, R. Sozzi, F. Bamaba, , F. Costabile, F. Angelini, S. Frey, Bolignano, M.,Morelli, Using operational active remote sensing devices to detect Saharan dust advections and evaluate their contribution to the PM10 levels: The EU LIFE+ "DIAPASON" project. Geophysical Research Abstracts Vol. 15, EGU2013-7397, 2013
- Gobbi, G.P., H. Wille, R. Sozzi, A. Bolignano, F. Angelini, F. Barnaba, F. Costabile, S. Frey, Bolignano A., Di Giosa, A. Saharan dust contribution to PM levels: The EC LIFE+ DIAPASON project. Geophysical Research Abstracts, Vol. 14, EGU2012-9398, 2012,EGU General Assembly 2012
- Costabile, F., F.Barnaba, F.AngeliniG.P.Gobbi, 2012." In-situ aerosol optical properties in a sub-urban Euro-Mediterranean area", 8th International Conference on Air Quality - Science and Application, Athens, 19-23 March 2012 (paper n 887, oral presentation).
- Gobbi, G.P., H. Wille, R. Sozzi, S. Frey, A. Bolignano, F. Costabile, F. Angelini, and F. Barnaba, 2012." Diapason: towards a better assessment of the impact of dust in air quality measurements", 8th International Conference on Air Quality - Science and Application, Athens, 19-23 March 2012 (paper n 886, S2-P39, poster presentation)..
- Costabile, F., F.Angelini, F.Barnaba, G.P.Gobbi, 2011."In-situ aerosol optical characterization in the sub-urban Mediterranean Area of Rome" . Proceedings of ACCENT-Plus Symposium on Air Quality and Climate Change:Interactions and Feedback, Urbino-Italy, 13-16 September 2011.
- Gobbi, G.P., H. Wille, R. Sozzi, S. Frey, A. Di Giosa, F. Costabile, F. Angelini, and F. Barnaba, 2011. The EC LIFE+ DIAPASON project: assessing the impact of Saharan advections on PM levels. EUROPEAN AEROSOL CONFERENCE, September 2011, Manchester, UK (Poster session, L11)
- Gobbi, G.P., H. Wille, R. Sozzi, S. Frey, A. Di Giosa, F. Costabile, F. Angelini, and F.Barnaba, 2011: The Impact of Saharan Advections on Rome PM Levels and the LIFE+ DIAPASON Project, 6th International Workshop on Sand and Duststorms and Associated Dustfall, 7-9 September 2011, Athens, Greece (Oral presentation).
- Gobbi, G.P., H. Wille, R. Sozzi, S. Frey, A. Di Giosa, F. Costabile, F. Angelini, and F.Barnaba, 2011: The LIFE+ DIAPASON project for the assessment of the impact of Saharan advections on PM levels; Proceedings of the ACCENT-Plus Symposium on Air Quality and Climate Change:Interactions and Feedback, Urbino-Italy, 13-16 September 2011.
- Amoroso, A., Costabile, F., Wang, Y., Allegrini, I.: High HONO Concentration during daytime at Beijing. 12/2008, American Geophysical Union, Fall Meeting 2008, abstract #A53A-0246, 2008AGUFM.A53A0246A
- Wang, Y., Zhao, Liu, Z., Gu, D, Huey, G., Stickel, R., Liao, J., Amoroso, A., Costabile, F., Allegrini, I., Shao, M, Zhu , T, Zheng, J., Bowman, K., Hamer, P.: Unique characteristics of regional and urban ozone formation in China. 1/2009, American Geophysical Union, AGU Joint Assembly, A14B-01 INVITED
- Costabile, F., Birmili, W., Wehner, B., Wiedensohler, A. Variabilità spazio-temporale e componenti principali della distribuzione delle dimensioni del numero di particelle in aria urbana (Oral, Invited, OA2-09). 3° Convegno Nazionale sul Particolato Atmosferico, Bari (Italy), 6-8 October, 2008.

- Costabile F., and I. Allegrini, 2008. Source apportionment of particle size distribution in the rural area of Rome: A sunset event close to a major road. EUROPEAN AEROSOL CONFERENCE, August 2008, Thessaloniki, Greece (T06A274P)
- Tumone, A., F. Costabile, F. Guglielmi, V. Ciambottini, M. Montagnoli, M. Giusto and I. Allegrini . Regional background particle size distributions in Rome: A spring-time analysis. EUROPEAN AEROSOL CONFERENCE, August 2008, Thessaloniki, Greece (T06A275P)
- Costabile, F., I. Allegrini.. Sorgenti principali della distribuzione dimensionale delle particelle di aerosol atmosferico in un'area rurale: analisi di un evento. 3° Convegno Nazionale sul Particolato Atmosferico, Bari (Italy), 6-8 October, 2008 (Post. PA6-091).
- Tumone, A., F. COSTABILE, F. Guglielmi, V. Ciambottini, M. Montagnoli, M. Giusto, I. Allegrini. Distribuzione dimensionale delle particelle di aerosol in un sito di fondo regionale a Roma: una analisi preliminare. 3° Convegno Nazionale sul Particolato Atmosferico, Bari (Italy), 6-8 October, 2008 (Post. PB6-063)
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- Costabile F., and I. Allegrini, 2008. Source apportionment of particle size distribution in the rural area of Rome: A sunset event close to a major road . European Aerosol Conference August 2008, Thessaloniki, Greece (T06A274P)
- Tumone, A., F. Costabile, F. Guglielmi, V. Ciambottini, M. Montagnoli, M. Giusto and I. Allegrini . Regional background particle size distributions in Rome: A spring-time analysis. European Aerosol Conference August 2008, Thessaloniki, Greece (T06A275P)
- Costabile, F., Bertoni, G., Desantis, F., Wang, F., Allegrini, I., 2007. Spatial frequency distribution of the main air pollutants and network design of a representative monitoring system in Lanzhou, China. Proceedings of the 6th International Conference on Urban Air Quality, Cyprus, March27-29, 2007 (Short paper)
- Costabile,F., Sinesi, M. and Allegrini,I., 2007. CFD analysis of wind flow field for evaluating NO₂, NO, and ozone vertical distribution inside a street-canyon. Proceedings of the 6th International Conference on Urban Air Quality, Cyprus, March27-29, 2007 (Short paper)
- Costabile F. and Allegrini I., 2005. Effect of traffic management on urban air pollution: intelligent transport systems based on traffic air pollution control networks, Proceedings of the 5th International Conf. On Urban Air Quality, Valencia, Spain, 29 -31 March 2005, Abstract pp.43, Short paper pp.9-12
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- Costabile F., 2004. Traffic Air Pollution Control., IUAPPA Joint Seminar "Reducing the impact of vehicles on air and environment quality in cities", held at Mexico City, January 22-23, 2004, pp.27-28
- Allegrini, I., Ianniello, A. & Costabile, F., 2003. Area Saturation Monitoring of atmospheric pollutants by means of passive samplers and diffusion denuders. Proceedings of the 14th Int. Conf. on Air Quality – Assessment and Policy at local, Regional and Global scales, Dubrovnik, Croatia, 6-10 October 2003, (full paper) pp.192-197.
- Costabile, F., Desantis, F., Wang, F., Hong, W., Liu, F. and Allegrini, I., 2005. Representativeness of Urban Highest Polluted Zones for Siting Traffic-Oriented Air Monitoring Stations in a Chinese City. Proceedings of the 16th Regional Conference of Clean Air and Environment in Asian Pacific Area, Tokyo Japan, August 2, 2005,pp.41 (Abstract)
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- Allegrini, I., Costabile, F., 2006. The use of passive sampling in designing an optimized Continuous Air Quality Monitoring System. Proceedings of the Conference BAQ 2006 (Better Air Quality), Yogyakarta, Indonesia, Dec13-15, 2006 (Oral presentation)
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