

Pubblicazioni

1. Aprile A., Sabella E., Vergine M., Genga A., Siciliano M., Nutricati E., Rampino P., De Pascali M., Luvisi A., Miceli A., Negro C., De Bellis L. (2018) Activation of a gene network in durum wheat roots exposed to cadmium. *BMC Plant Biology* 18 (1) 238 DOI:10.1186/s12870-018-1473-4
2. Introna B., De Benedetto G., Genga A., Pennetta A., Rella S., Siciliano T., Malitestra C., Conte A., Del Nobile M.A. (2018) Analytical characterization of silver-nanoparticle antimicrobial coatings for fiordilatte cheese. 2015 1st Workshop on Nanotechnology in Instrumentation and Measurement, NANOFIM 2015.8425345, 219 DOI:10.1109/NANOFIM.2015.
3. Genga A., Siciliano T., Siciliano M., Aiello D., Tortorella C. (2018) Individual particle SEM-EDS analysis of atmospheric aerosols in rural, urban, and industrial sites of Central Italy. *Environmental Monitoring and Assessment* 190 (8) 456 DOI:10.1007/s10661-018-6826-9
4. Siciliano T., Siciliano M., Malitestra C., Proto A., Cucciniello R., Giove A., Iacobellis S., Genga A., (2018) Carbonaceous PM10 and PM2.5 and secondary organic aerosol in a coastal rural site near Brindisi (South Italy) *Environmental science and Pollution Research* 25(24), 23929-23945 DOI: 10.1007/s11356-018-2237-2
5. Romano S., Genga A., Paladini F., Perrone M.R., Integration of optical and chemical parameters to improve the particulate matter characterization, *Atmos Res* 2018
6. Ricciardi M., Cespi D., Celentano M., Genga A., Malitestra C., Proto A., Capacchione C., Cucciniello R.. Bio-propylene glycol as value-added product from Epicor® process *Sustainable Chemistry and Pharmacy* 6 (2017) 10-13
7. Vergine M., Aprile A., Sabella E., Genga A., Siciliano M., Rampino P., Lenucci M.S., Luvisi A., De Bellis L.D. Cadmium Concentration in Grains of Durum Wheat (*Triticum turgidum* L. subsp. *durum*) *J Agricultural and Food Chemistry* 65 30 (2017) 6240-6246
8. Genga A., Ielpo P., Siciliano M., Siciliano T., Carbonaceous particles and aerosol mass closure in PM2.5 collected in a port city 2017. *Atmospheric Research* 183, 245-254
<http://dx.doi.org/10.1016/j.atmosres.2016.08.022>
9. R Cucciniello, Ad Intiso, S Castiglione, A Genga , A Proto, F Rossi, Total oxidation of trichloroethylene over mayenite (Ca₁₂Al₁₄O₃₃) catalyst (2017) *Applied Catalysis B: Environmental* 204, 167–172
10. Perrone M.R., Genga A., Siciliano M., Siciliano T., Paladini F., Burlizzi P., Saharan dust impact on the chemical composition of PM10 and PM1 samples over south-eastern Italy, 2016. *Arabian Journal of Geosciences* 9 (2), 127, 1-11
11. Nicola FD., Vincenti ML., Conry P., Fernando HJS, Di Sabatino S., The role of surface building materials in air quality applications HARMO 2016 - 17th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings 2016-May, pp. 388-394
12. Conry P., Di Sabatino S., Nicola FD.,.... Rispoli G., Fernando HJS., Dry deposition onto vertical surface in the urban environment HARMO 2016 - 17th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings 2016-May, pp. 381-387

13. Antonio Proto; Raffaele Cucciniello; Alessandra Genga; Carmine Capacchione, A study on the catalytic hydrogenation of aldehydes using mayenite as active support for palladium. *Catalysis Communications* 68 (2015) 41-45
14. MR Guascito, D. Cesari, D. Chirizzi, A. Genga, D. Contini. XPS surface chemical characterization of atmospheric particles of different sizes. *Atmospheric Environment* 116 (2015) 146-154
15. D. Contini, D. Cesari, A. Genga, M. Siciliano, P. Ielpo, M.R. Guascito, M. Conte, Source apportionment of size-segregated atmospheric particles based on the major water-soluble components in Lecce (Italy) *Science of the Total Environment* 2014, 472 pp 248 - 261
16. T. Siciliano, A. Genga, G. Micocci, M. Siciliano, M. Tepore, A. Tepore, Porous tellurium oxide microtubes for room-temperature NO₂ gas sensors *Sensors and Actuators, B: Chemical*, Volume 201, 1 October 2014, pp 138-143
17. D. Cesari, A. Genga, P. Ielpo, M. Siciliano, G. Mascolo, F.M. Grasso, D. Contini, Source apportionment of PM2.5 in the harbour-industrial area of Brindisi (Italy): Identification and estimation of the contribution of in-port ship emissions *Science of the Total Environment* 2014, 497-498 392-400
18. M. R. Perrone, A. Genga, M. Siciliano, T. Siciliano, F. Paladini, Dust concentration in PM10 samples and comparison with model results, Conference Proceedings
19. 1st International Conference on Atmospheric Dust – DUST2014, ProScience – vol. 1 pp 73-78
Copyright © Author(s) 2014. Published by Digilabs S.a.s. DOI:10.14644/dust.2014.012, ISSN: 2283-5954
20. D. Contini, D. Cesari, A. Genga, M. Siciliano, P. Ielpo, M.R. Guascito, M. Conte, Size-distributions of water soluble components of atmospheric aerosol measured with a MOUDI impactor, Symposium proceedings of: 4TH IMEKO TC19 SYMPOSIUM ON ENVIRONMENTAL INSTRUMENTATION AND MEASUREMENTS “Protecting Environment, Climate Changes and Pollution Control” pp 9-14, Ed Unisalento press, Lecce, 2013, ISBN:9788896515204.
21. Genga A., F. Baglivi, M. Siciliano, T. Siciliano, D. Aiello, C. Tortorella, Chemical and morphological study of particulate matter analysed by SEM-EDS, Symposium proceedings of: 4TH IMEKO TC19 SYMPOSIUM ON ENVIRONMENTAL INSTRUMENTATION AND MEASUREMENTS “Protecting Environment, Climate Changes and Pollution Control” pp 43- 46, Ed Unisalento press, Lecce, 2013, ISBN:9788896515204.
22. M. R. Guascito, P. Ielpo, D. Cesari, A. Genga, C. Malitesta, R.A. Picca, D. Chirizzi, D. Contini, Application of XPS surface analysis for characterization of size-segregated particulate matter from a urban background site in Lecce, Symposium proceedings of: 4TH IMEKO TC19 SYMPOSIUM ON ENVIRONMENTAL INSTRUMENTATION AND MEASUREMENTS “Protecting Environment, Climate Changes and Pollution Control” pp 68-71, Ed Unisalento press, Lecce, 2013, ISBN:9788896515204.

23. Filippo, E., Siciliano, M., Genga, A., Micocci, G., Tepore, A., Siciliano, T, Single crystalline β -Ga₂O₃ nanowires synthesized by thermal oxidation of GaSe layer, Materials Research Bulletin 2013, 48 (5), pp. 1741-1744 ISSN: 0025-5408 DOI: 10.1016/j.materresbull.2012.08.083
24. Siciliano, T., Tepore, M., Genga, A., Micocci, G., Siciliano M., Tepore, A., Thermal oxidation of amorphous GaSe thin films, Vacuum 2013 92, pp 65-69, ISSN: 0042207X DOI: 10.1016/j.vacuum.2012.12.001
25. Filippo, E., Siciliano, T., Genga, A., Micocci, G., Siciliano, M., Tepore, M., Formation of α -TeO₂ pearl-like microwires templated on porous microtubes through thermal oxidation of Te microtubes, Applied Surface Science, 2013 265, pp. 329-333, ISSN: 01694332 DOI:10.1016/j.apsusc.2012.11.005
26. Genga A, Baglivi F, Siciliano M, Siciliano T, Tepore M, Micocci G, Tortorella C, Aiello D, SEM-EDS investigation on PM10 data collected in Central Italy: Principal Component Analysis and Hierarchical Cluster Analysis, Chemistry Central Journal 2012, 6(Suppl 2):S3, ISSN: 1752-153X DOI: 10.1186/1752-153X-6-S2-S3
27. Filippo, E., Siciliano, T., Genga, A., Micocci, G., Siciliano, M., Tepore, A., Phase and morphological transformations of GaS single crystal surface by thermal treatment, Applied Surface Science 2012, 261 , pp. 454-457, ISSN: 01694332 DOI: 10.1016/j.apsusc.2012.08.031
28. Siciliano, T., Tepore, M., Genga, A., Micocci, G., Tepore, A., Filippo, E., Structural characterization of In₂O₃ hierarchical microwires synthesized through decomposition thermal treatment of InSe single crystal, Materials Chemistry and Physics 2012, 136 (1) , pp. 225-229, ISSN: 02540584 DOI: 10.1016/j.matchemphys.2012.06.057
29. Cesari, D., Contini, D., Genga, A., Siciliano, M., Elefante, C., Baglivi, F., Daniele, L., Analysis of raw soils and their re-suspended PM10 fractions: Characterisation of source profiles and enrichment factors, Applied Geochemistry 2012, 27 (6) , pp. 1238-1246, ISSN: 08832927 DOI: 10.1016/j.apgeochem.2012.02.029
30. Siciliano, T., Di Giulio, M., Tepore, M., Genga, A., Micocci, G., Tepore, A, In₂O₃ films prepared by thermal oxidation of amorphous InSe thin films, Thin Solid Films, 2012, 520 (7) , pp. 2455-2460, ISSN: 00406090 DOI: 10.1016/j.tsf.2011.10.015

31. Siciliano, T., Filippo, E., Genga, A., Micocci, G., Siciliano, M., Tepore, A, Tellurium microtubes synthesized by thermal evaporation method, *Crystal Research and Technology* 2011, 46 (8) , pp. 765-768, ISSN: 02321300 DOI: 10.1002/crat.201000578
32. Siciliano, T., Tepore, A., Micocci, G., Genga, A., Siciliano, M., Filippo, E., Synthesis and characterization of indium monoselenide (InSe) nanowires, *Journal of Materials Science: Materials in Electronics*, 2011, 22 (6) , pp. 649-653, ISSN: 09574522 DOI: 10.1007/s10854-010-0190-z
33. Siciliano, T., Tepore, A., Micocci, G., Genga, A., Siciliano, M., Filippo, E., Formation of In₂O₃ microrods in thermal treated InSe single crystal, *Crystal Growth and Design*, 2011, 11 (5) , pp. 1924-1929, ISSN: 15287483 DOI: 10.1021/cg200091s
34. T. Siciliano, A. Genga, L. Daniele, M. Siciliano, "Multivariate Statistical Analysis Applied to PM10, PM2.5 and PM1 Data Collected in Taranto (South Italy)". In: CMA4CH, Taormina, 26-29 September 2010, torino: marco valerio, vol. 3rd International Meeting on Application of Multivariate Analysis and Chemometry to Cultural Heritage and Environment, p. 37-38, ISBN/ISSN: 9788875472887.
35. Genga A., F. Baglivi, M. Siciliano, T. Siciliano, A. Tepore, G. Micocci, C. Totrorella, D. Aiello, "Application of PCA and HCA to PM10 data collected by SEM/EDS in three site of center Italy". In: CMA4CH, Taormina, 26-29 September 2010, torino: marco valerio, vol. 3rd International Meeting on Application of Multivariate Analysis and Chemometry to Cultural Heritage and Environment, p. 89-90, ISBN/ISSN: 9788875472887.
36. Genga A., M. Siciliano, T. Siciliano, E. Filippo, G. Micocci, A. Tepore, A. Traini, A. Mangone, C. Laganara, Frammenti di vetro provenienti dallo scavo di Siponto (Foggia - Italia): caratterizzazione morfologica e chimico – fisica, in Atti delle X Giornate Nazionali di Studio Pisa 12-14 novembre 2004 "Trame di luce - Vetri da finestra e vetrate dall'età romana al Novecento" a cura di Daniela Stiaffini, Silvia Ciappi , Claudio Grenzi Editore 2010 p 123-127, ISBN 978-88-8431-450-5
37. Contini, D., Genga, A., Cesari, D., Siciliano, M., Donateo, A., Bove, M.C., Guascito, M.R., Characterisation and source apportionment of PM10 in an urban background site in Lecce, *Atmospheric Research*, 2010, 95 (1) , pp. 40-54, ISSN: 01698095 DOI: 10.1016/j.atmosres.2009.07.010
38. Siciliano, T., Filippo, E., Genga, A., Micocci, G., Siciliano, M., Tepore, A., Single-crystalline Te microtubes: Synthesis and NO₂ gas sensor application, *Sensors and Actuators, B: Chemical* 2009, 142 (1) , pp. 185-190, ISSN: 09254005 DOI: 10.1016/j.snb.2009.07.050

39. Siciliano, T., Tepore, A., Micocci, G., Genga, A., Siciliano, M., Filippo, E., Transition from n- to p-type electrical conductivity induced by ethanol adsorption on α -tellurium dioxide nanowires, Sensors and Actuators, B: Chemical, 2009, 138 (1) , pp. 207-213, ISSN: 09254005 DOI: 10.1016/j.snb.2009.02.007
40. Genga, A., Siciliano, M., Famà, L., Filippo, E., Siciliano, T., Mangone, A., Traini, A., Laganara, C., Characterization of surface layers formed under natural environmental conditions on medieval glass from Siponto (Southern Italy), Materials Chemistry and Physics, 2008, 111 (2-3) , pp. 480-485, ISSN: 02540584 DOI: 10.1016/j.matchemphys.2012.06.057
41. Genga, A., Siciliano, M., Tepore, A., Mangone, A., Traini, A., Laganara, C., An archaeometric approach about the study of medieval glass from Siponto (Foggia, Italy), Microchemical Journal, 2008, 90 (1) , pp. 56-62, ISSN: 0026265X DOI: 10.1016/j.microc.2008.03.008
42. Catalano, I.M., Genga, A. , Laganara, C., Laviano, R., Mangone, A., Marano, D., Traini, A., Lapis lazuli usage for blue decoration of polychrome painted glazed pottery: a recurrent technology during the Middle Ages in Apulia (Southern Italy), Journal of Archaeological Science, 2007, 34 (4) , pp. 503-511, ISSN: 03054403 DOI: 10.1016/j.jas.2006.05.010
43. Genga A., D. Manno, M. Siciliano, A. Buccolieri, A. Traini, A. Mangone, C. Laganara, Chemical analyses of medieval glass from Siponto (South Italy), 182 - ISBN 88-89758-01-5, Rome, 2005
44. Bruno, P., Calabrese, D., Di Pierro, M., Genga, A., Laganara, C., Manigrassi, D.A.P., Traini, A., Ubbrìaco, P., Chemical-physical and mineralogical investigation on ancient mortars from the archaeological site of Monte Sannace (Bari - Southern Italy), Thermochimica Acta, 2004, 418 (1-2), pp. 131-141, ISSN: 00406031 DOI: 10.1016/j.tca.2003.11.054
45. Serra, A., Genga, A., Manno, D., Micocci, G., Siciliano, T., Tepore, A., Tafuro, R., Valli, L., Synthesis and characterization of TiO₂ nanocrystals prepared from n-octadecylamine - Titanyl oxalate Langmuir - Blodgett films, Langmuir, 2003, 19 (8) , pp. 3486-3492, ISSN: 07437463 DOI: 10.1021/la026720w
46. Malitestà, C., Tepore, A., Valli, L., Genga, A., Siciliano, T., X-Ray photoelectron spectroscopy characterisation of Langmuir-Blodgett films containing TiO₂ nanoparticles grown by room-temperature hydrolysis of TiO(C₂O₄)₂-, Thin Solid Films, 2002, 422 (1-2) , pp. 112-119, ISSN: 00406090 DOI: 10.1016/S0040-6090(02)00893-3

47.

Arnold, D.P, Genga, A., Manno, D., Micocci, G., Serra, A., Tepore, A., Valli, L., LB multilayers of highly conjugated porphyrin dimers: Differentiation of properties and behaviour between the free base and the metallated derivatives, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2002, 198-200 , pp. 897-904, ISSN: 09277757 DOI: 10.1016/S0927-7757(01)01017-2

48. Tepore, A., Serra, A., Arnold, D.P., Manno, D., Micocci, G., Genga, A., Valli, L., Study of gas sensing performances of Langmuir-Blodgett films containinig an alkyne-linked conjugated-porphyrin dimer, *Langmuir*, 2001, 17 (26) , pp. 8139-8144, ISSN: 07437463 DOI: 10.1021/la0107289
49. Buccolieri, G., Cardellicchio, N., Dell'atti, A., Di Leo, A., Genga, A., Strisciullo, G., Metal and non-metal micro-pollutants in cultivated soils of Lecce and Brindisi districts (Apulia, Southern Italy), *Annali di Chimica*, 2001, 91 (5-6) , pp. 265-275, ISSN: 00034592 PubMed ID: 11507830
50. Buccolieri, G., Cardellicchio, N., Dell'atti, A., Genga, A., Strisciullo, G., Sea water contamination in underground waters of Salento (Southern Italy), *Annali di Chimica*, 2001, 91 (1-2) , pp. 73-80, ISSN: 00034592 PubMed ID: 11329771
51. Genga A., A. Serra and L. Valli, "Deposizione e caratterizzazione di film di langmuir-blodgett e loro applicazioni in sensori di gas tossici in aria", in Il monitoraggio Ambientale, Metodologie Analitiche-Biomonitoraggio-Monitoraggio Ecosistemi, N. Cardellicchio, S. Cavalli, Ed Nuova Poligrafica Milanese, 2000, 99-112;
52. D. Arnold, A. Genga, D. Manno, A. Serra, L. Valli, "Porphyrin dimer Langmuir-Blodgett films for gas-sensing applications", in Sensors and Microsystems, C. Di Natale, A. D'Amico, F. Davide, Ed., World Scientific, 2000, 196-201;
53. Bruno, P., Caselli, M., Curri, M.L., Genga, A., Striccoli, R., Traini, A., Chemical characterisation of ancient pottery from south of Italy by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES:)Statistical multivariate analysis of data, *Analytica Chimica Acta*, 2000, 410 (1-2) , pp. 193-202, ISSN: 00032670 DOI: 10.1016/S0003-2670(00)00734-0