

## ELENCO DELLE PUBBLICAZIONI DEL DOTT. GIOVANNI AVOLA

Researcher ID: C-3827-2009 - <http://www.researcherid.com/rid/C-3827-2009>

### Articoli pubblicati su riviste ISI

- Gresta F., Rocco C., Lombardo G.M., Avola G., Ruberto G. 2014. Agronomic characterization and  $\alpha$ - and  $\beta$ -ODAP determination through the adoption of new analytical strategies of ten Sicilian accessions of grass pea. *Journal of Agricultural and Food Chemistry*, 62, 2436–2442
- Siracusa L., **Avola G.**, Patanè C., Raggi E. Ruberto G. 2013. Re-evaluation of traditional Mediterranean foods. The local landraces of "Cipolla di Giarratana" (*Allium cepa* L.) and "long storage tomato" (*Lycopersicum esculentum* L.): an agrochemical characterization. *Journal of the Science of Food and Agriculture*. 93, 3512-3519
- Raggi E; **Avola G.**; Siracusa L; Ruberto G. 2013. Flavonol content and biometrical traits as a tool for the characterization of "Cipolla di Giarratana", a traditional Sicilian onion landrace. *Food Chemistry*. 140, 810-816
- Patanè C., **Avola G.** 2013 A seed respiration-based index of cold sensitivity during imbibition in four macrothermal species. *Acta Physiologia Plantarum* 35, 3, 911-918
- Siracusa L., Gresta F., **Avola G.**, Albertini E., Raggi L., Marconi G., Ruberto G. 2013. Agronomic, chemical and genetic variability of saffron of different origin by LC UV-VIS-DAD and AFLP analyses. *Genetic Resources and Crop Evolution*, 60, 2, 711-721
- Avola G.**, Patanè C. 2012 Effect of water cooking on proximate composition of grain in three Sicilian chickpeas (*Cicer arietinum* L.). *LWT - Food Science and Technology*, 49, 217-220
- Siracusa L., Patanè C., **Avola G.**, Ruberto G. 2012. Polyphenols as Chemotaxonomic Markers in Italian "Long Storage" Tomato Genotypes. *Journal of Agricultural and Food Chemistry*, 60, 309-314
- Gresta F., **Avola G.**, Onofri A., Anastasi U., Cristaudo A. 2011. When does hard coat impose dormancy in legume seeds? *Lotus* and *Scorpiurus* case-study. *Crop Science*, 51, 4, 1739-1747
- Avola G.**, Patanè C. 2010. Variation among physical, chemical and technological properties in three sicilian cultivars of chickpea (*Cicer arietinum* L.). *International Journal of Food Science and Technology*, 45, 2565-2572
- Gresta F., Cristaudo A., Onofri A., Restuccia A., **Avola G.** 2010. Germination response of four pasture species. *Plant Biosystem*, 144, 888-895.
- Siracusa L., Gresta F., **Avola G.**, Lombardo G.M., Ruberto G. 2010. Influence of corm provenience and environmental condition on yield of apocarotenoid profiles in saffron (*Crocus sativus* L.). *Journal of Food Composition and Analysis*, 23, 394-400
- Gresta F., **Avola G.**, Albertini E., Raggi L., Abbate V. 2010. A study of variability in the Sicilian faba bean landrace 'Larga di Leonforte'. *Genetic Resources and Crop Evolution*, 57, 4, 523-531
- Raggi E., **Avola G.** 2010. Quantification of the waste stream from fresh tomato packinghouses and its fluctuations: implications for waste management planning. *Resources Conservation and Recycling* 54, 436-441
- Avola G.**, Gresta F., Abbate V. 2009. Diversity examination based on physical, technological and chemical traits in a locally grown landrace of faba bean (*Vicia faba* L. var. *major*). *International Journal of Food Science and Technology*, 44, 2568-2576
- Tuttabene R., **Avola G.**, Gresta F., Abbate V. 2009. Industrial orange waste as organic fertilizer in durum wheat. *Agronomy for a Sustainable Development*, 29, 557–563
- Gresta F., **Avola G.**, Lombardo M.G., Siracusa L., Ruberto G. 2009. Analysis of flowering, stigmas yield and qualitative traits of saffron (*Crocus sativus* L.) as affected by environmental conditions. *Scientia Horticulturae*, 119, 320–324

- Riggi E., **Avola G.** 2008. Fresh tomato packinghouses waste as high added value biosource. *Resources Conservation and Recycling*, 53, 96-106
- Avola G.**, Tuttobene R., Gresta F., Abbate V. 2008. Weed control strategies for grain legumes. *Agronomy for a Sustainable Development*, 28, 3, 389-398
- Avola G.**, Cavallaro V., Patanè C., Riggi E. 2008. Gas exchange and photosynthetic water use efficiency in response to light, CO<sub>2</sub> concentration and temperature in *Vicia faba* L. *Journal of Plant Physiology*, 165, 8, 796-804
- Gresta F., **Avola G.**, Abbate V. 2007. Germination ecology of *Scorpiurus subvillosum* L. seeds: the role of temperature and storage time. *Plant Ecology*, 190, 123-130
- Gresta F., **Avola G.**, Anastasi U., Miano V. 2007. Effect of maturation stage, storage time and temperature on seed germination of *Medicago* species. *Seed Science and Technology*, 35, 698-708
- Patanè C., Cavallaro V., **Avola G.**, D'Agosta G. 2006. Seed respiration of sorghum [*Sorghum bicolor* (L.) Moench] during germination as affected by temperature and osmoconditioning. *Seed Science Research*, 16, 251-260.

#### **Articoli su riviste con comitato scientifico, comitato di redazione e a diffusione internazionale**

- Riggi E., Siracusa L., Lanza C.M., Mazzaglia A., Di Silvestro I., La Rosa S., Pellegrino A., Ippolito C., Testa G., Scordia D., **Avola G.** 2013. Valorization of typical products through characterizing and promoting actions: morpho-biometric traits, sensory analysis and flavonol content in "Cipolla di Giarratana". *Italian Journal of Agronomy* 8, 79-84
- Barbagallo R.N., Riggi E., **Avola G.**, Patanè C. 2012. Biopreservation of 'Birgah' Eggplant from Polyphenol Oxidase Activity Assayed *In Vitro* with Onion (*Allium Cepa* L.) by-products. *Chemical Engineering Transactions*, 27, 43-48
- Gresta F., **Avola G.**, Tuttobene R., Onori A., Barrile V., Cristaudo A., Abbate V. 2011. The effect of fire on the dormancy break of three annual legume seeds. *Italian Journal of Agronomy*, 6, 8-11
- Gresta F., Abbate V., **Avola G.**, Magazzù G., Chiofalo B. 2010. Lupin seed for the crop-livestock food chain. *Italian Journal of Agronomy*, 4, 333-340
- Gresta F., Lombardo G., **Avola G.** 2010. Saffron stigma and corm production as affected by soil texture. *Acta Horticulturae*, 850, 153-159.
- Gresta F., **Avola G.**, Abbate V. 2009. Caratterizzazione morfo-bio-agronomica di ecotipi siciliani di leguminose da granella minori. *Italian Journal of Agronomy*, 4, 4 suppl., 349-354
- Riggi E., **Avola G.** 2008. The waste production of fresh tomato packinghouses. *Italian Journal of Agronomy*, 3, 119-120
- Riggi E., **Avola G.** 2008. Fresh tomato packinghouse waste as lycopene biosource. *Italian Journal of Agronomy*, 3, 423-424
- Abbate C., Tuttobene R., **Avola G.**, Gennari M. 2008. The effect of citrus pulp amendment on sunflower production and the dissipation of the herbicide aclonifen. *Italian Journal of Agronomy*, 3, 341-347
- Gresta F., **Avola G.**, Guarnaccia P. 2006. Agronomic characterization of some spontaneous genotypes of milk thistle (*Silybum marianum* L. Gaertn.) in Mediterranean environment. *Journal of Herbs, Spices & Medicinal Plants*, 12, 4, 53-62.
- Gresta F., Luciani F., **Avola G.**, Abbate V. 2005. Effects of sowing date on some agronomical characteristics of *Scorpiurus subvillosum* L. In: *Integrating Efficient Grassland Farming and Biodiversity*. Book Series: *Grassland Science in Europe*, 10, 328-331
- Luciani F., Gresta F., Consoli P., **Avola G.**, Patanè C. 2005. Influence of some physic and biological factors on seed germination of *Scorpiurus subvillosum* L. In: *Integrating Efficient Grassland Farming and Biodiversity*. Book Series: *Grassland Science in Europe*, 10, 319-322

Cavallaro V., Castiglione V., **Avola G.**, Finocchiaro E. 2004. Influence of different substrates on the 'in vitro' rhizogenesis process of early artichoke [*Cynara cardunculus* L. subsp. *scolymus* (L.) Hegi]. *Acta Horticulturae*, 660, 267-272.