

## LORELLA NAVAZIO

### Pubblicazioni in riviste internazionali con Referees e IF

1. Sello S, Moscatiello R, Mehlmer N, Leonardelli M, Carraretto L, Cortese E, Zanella FG, Baldan B, Szabò I, Vothknecht UC, **Navazio L (2018)** Chloroplast  $\text{Ca}^{2+}$  fluxes into and across thylakoids revealed by thylakoid-targeted aequorin probes. *Plant Physiol* 177: 38-51 [**IF 6.456**]
2. Sello S, Moscatiello R, La Rocca N, Baldan B, **Navazio L (2017)**. A rapid and efficient method to obtain photosynthetic cell suspension cultures of *Arabidopsis thaliana*. *Front Plant Sci* 8: 1444 [**IF 4.291**]
3. Aloisi I, Cai G, Faleri C, **Navazio L**, Serafini-Fracassini D, Del Duca S (2017) Spermine regulates pollen tube growth by modulating  $\text{Ca}^{2+}$ -dependent actin organization and cell wall structure. *Front Plant Sci* 8: 1701 [**IF 4.291**]
4. Busatto N, Salvagnin U, Resentini F, Quaresimin S, **Navazio L**, Marin O, Pellegrini M, Costa F, Mierke DF, Trainotti L (2017) The peach RGF/GLV signaling peptide pCTG134 is involved in a regulatory circuit that sustains auxin and ethylene actions. *Front Plant Sci* 8: 1711 [**IF 4.291**]
5. Sello S, Perotto J, Carraretto L, Szabò I, Vothknecht UC, **Navazio L (2016)** Dissecting stimulus-specific  $\text{Ca}^{2+}$  signals in amyloplasts and chloroplasts of *Arabidopsis thaliana* cell suspension cultures. *J Exp Bot* 67: 3965-3974 [**IF: 5.677**]
6. Salvioli A, Ghignone S, Novero M, **Navazio L**, Venice F, Bagnaresi P, Bonfante P (2016) Symbiosis with an endobacterium increases the fitness of a mycorrhizal fungus, raising its bioenergetic potential. *ISME J* 10: 130-144 [**IF: 9.328**]
7. Wagner S, Behera S, De Bortoli S, Logan DC, Fuchs P, Carraretto L, Teardo E, Cendron L, Nietzel T, Füßl M, Doccu FG, **Navazio L**, Fricker MD, Van Aken O, Finkemeier I, Meyer AJ, Szabò I, Costa A, Schwarzländer M (2015) The EF-hand  $\text{Ca}^{2+}$  binding protein MICU choreographs mitochondrial  $\text{Ca}^{2+}$  dynamics in *Arabidopsis*. *Plant Cell* 27: 3190-3212 [**IF: 8.538**]
8. Moscatiello R, Zaccarin M, Ercolin F, Damiani E, Squartini A, Roveri A, **Navazio L (2015)** Identification of ferredoxin II as a major calcium binding protein in the nitrogen-fixing bacterium *Mesorhizobium loti*. *BMC Microbiol* 15:16 [**IF: 2.581**]
9. Moscatiello R, Sello S, Novero M, Negro A, Bonfante P, **Navazio L (2014)** The intracellular delivery of TAT-aequorin reveals calcium-mediated sensing of environmental and symbiotic signals by the arbuscular mycorrhizal fungus *Gigaspora margarita*. *New Phytol* 203: 1012-1020 [**IF 7.672**]
10. Arrigoni G, Tolin S, Moscatiello R, Masi A, **Navazio L**, Squartini A (2013). Calcium-dependent regulation of genes for plant nodulation in *Rhizobium leguminosarum* detected by iTRAQ quantitative proteomic analysis. *J Proteome Res* 12: 5323-5330 [**IF 5.056**]
11. Tolin S, Arrigoni G, Moscatiello R, Masi A, **Navazio L**, Sablok G, Squartini A (2013). Quantitative analysis of the naringenin-inducible proteome in *Rhizobium leguminosarum* by isobaric tagging and mass spectrometry. *Proteomics* 13: 1961-1972 [**IF 4.132**]

12. Moscatiello R, Baldan B, Squartini A, Mariani P, **Navazio L (2012)**. Oligogalacturonides: novel signaling molecules in rhizobium-legume communications. *Mol Plant-Microbe Interact* 25: 1387-1395 [**IF 4.307**]
13. Zonin E, Moscatiello R, Miuzzo M, Cavallarin N, Di Paolo ML, Sandonà D, Marin O, Brini M, Negro A, **Navazio L (2011)**. TAT-mediated aequorin transduction: an alternative approach for effective calcium measurements in plant cells. *Plant Cell Physiol* 52: 2225-2235 [**IF 4.702**]
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15. Moscatiello R, Alberghini S, Squartini A, Mariani P, **Navazio L (2009)**. Evidence for calcium-mediated perception of plant symbiotic signals in aequorin-expressing *Mesorhizobium loti*. *BMC Microbiology* 9: 206 [**IF 2.890**]
16. **Navazio L, Mariani P (2008)**. Calcium opens the dialogue between plants and arbuscular mycorrhizal fungi. *Plant Signal Behav* 3: 229-230
17. **Navazio L, Baldan B, Moscatiello R, Zuppini A, Woo SL, Mariani P, Lorito M (2007)**. Calcium-mediated perception and defense responses activated in plant cells by metabolic mixtures secreted by the biocontrol fungus *Trichoderma atroviride*. *BMC Plant Biol* 7: 41 [**IF 3.774**]
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19. **Navazio L, Moscatiello R, Genre A, Novero M, Baldan B, Bonfante P, Mariani P (2007)**. A diffusible signal from arbuscular mycorrhizal fungi elicits a transient cytosolic calcium elevation in host plant cells. *Plant Physiol* 144: 673-681 [**IF 6.125**]
20. Nardi MC, Feron R, **Navazio L, Mariani P, Pierson E, Wolters-Arts M, Knuiman B, Mariani C, Derksen J (2006)**. Expression and localization of calreticulin in tobacco anthers and pollen tubes. *Planta* 223: 1263-1271 [**IF 2.963**]
21. Zuppini A\*, **Navazio L\***, Sella L, Castiglioni C, Favaron F, Mariani P (2005). An endopolygalacturonase from *Sclerotinia sclerotiorum* induces calcium-mediated signaling and programmed cell death in soybean cells. *Molecular Plant-Microbe Interact* 18: 849-855 [**IF 3.928**] [\*The first two authors equally contributed to this work]
22. Zuppini A, Baldan B, Million R, Favaron F, **Navazio L, Mariani P (2004)**. Chitosan induces Ca<sup>2+</sup>-mediated programmed cell death in soybean cells. *New Phytol* 161: 557-568 [**IF 3.355**]
23. Zuppini A, **Navazio L, Mariani P (2004)**. Endoplasmic reticulum stress-induced programmed cell death in soybean cells. *J Cell Sci* 117: 2591-2598 [**IF 6.910**]
24. Baldan B, Bertoldo A, **Navazio L, Mariani P (2003)**. Oligogalacturonide-induced changes in the developmental pattern of *Daucus carota* L. somatic embryos. *Plant Sci* 165: 337-348 [**IF 1.652**]
25. Libik M, Miszalski Z, Przywara L, **Navazio L, Nardi MC, Dainese P, Baldan B, Mariani P (2003)**. The reticuloplasmic calreticulin is released into the medium by carrot cell cultures. *Plant Cell Tissue Organ Cult* 75: 109-116 [**IF 0.855**]

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31. Nardi MC, Giacomelli E, Dainese P, Fitchette-Lainé A-C, Faye L, Baldan B, **Navazio L**, Mariani P (1998). *Ginkgo biloba* expresses calreticulin, the major calcium-binding reticuloplasm in eukaryotic cells. *Bot Acta* 111: 66-70 [IF 1.664]
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34. Baldan B, **Navazio L**, Friso A, Mariani P, Meggio F (1996). Plant calreticulin is specifically and efficiently phosphorylated by protein kinase CK2. *Biochem Biophys Res Commun* 221: 498-502 [IF 2.872]
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36. Canova S, Viezzer C, Venier P, **Navazio L**, Revoltella R, Celotti L (1996). Metabolic activation of benzo[a]pyrene in two fetal mouse hepatocyte lines: induction of DNA adducts and micronuclei. *Mutat Res* 367: 135-141 [IF 2.060]
37. **Navazio L**, Baldan B, Dainese P, James P, Damiani E, Margreth A, Mariani P (1995). Evidence that spinach leaves express calreticulin but not calsequestrin. *Plant Physiol* 109: 983-990 [IF 3.825]

### Capitoli su invito in edizioni di volumi internazionali

38. Moscatiello R, Baldan B, **Navazio L** (2013). Plant cell suspension cultures. *Methods in Molecular Biology*, 953: 77-93. In: *Plant Mineral Nutrients: Methods and Protocols*. Chapter 5. Maathuis FJM ed. Humana Press, New York, USA

39. Mariani P, **Navazio L**, Zuppini A (2003). Calreticulin and the endoplasmic reticulum in plant cell biology. In: Calreticulin, 2<sup>nd</sup> Edition. Chapter 10, pp. 94-104. Eggleton P, Michalak M eds. Landes Bioscience, Georgetown, Texas, USA

#### **Capitoli su invito in libri di testo accademici**

40. **Navazio L**, Baldan B (2015). Il citoscheletro. In: Botanica Generale e Diversità Vegetale (III ed). Pasqua G, Abbate G, Forni C., Cap. 3, pp. 43-60, Piccin Nuova Libreria, Padova
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