

Publicazioni (2010-present)

- Mazzuca C, Micheli L, Marini F, Bevilacqua M, Bocchinfuso G, Palleschi G and Palleschi A
Rheoreversible hydrogels in paper restoration processes: a versatile tool
Chemistry Central Journal 2014, 8:10 (10 February 2014)
- Mazzuca C., Gianfranco Bocchinfuso, Ilaria Cacciotti, Laura Micheli, Giuseppe Palleschi and Antonio Palleschi.
Versatile hydrogels: an efficient way to clean paper artworks
RSC Adv., 2013, 3, 22896
- Mazzuca C., Micheli L., Carbone M., Basoli F., Cervelli E., Iannucelli S., Sotgiu S., Palleschi A., 2013.
Gellan hydrogel as a powerful tool in paper cleaning process: A detailed study
Journal of Colloid and Interface Science. DOI: 10.1016/j.jcis.2013.10.062. **In press.**
- Maira D'Alessandro, Massimiliano Aschi, Claudia Mazzuca, Antonio Palleschi, and Andrea Amadei
Theoretical modeling of UV-Vis absorption and emission spectra in liquid state systems including vibrational and conformational effects: the vertical transition approximation
J. Chem. Phys. **139**, 114102 (2013); doi: 10.1063/1.4821003 (8 pages)
- Valerio Zardetto, Gabriele De Angelis, Luigi Vesce, Valentina Caratto, Claudia Mazzuca, Jacek Gasiorowki, Andrea Reale, Aldo Di Carlo and Thomas M. Brown
Formulations and processing of nanocrystalline TiO₂ films for the different requirements of plastic, metal and glass dye solar cell applications
Nanotechnology, 2013, 24:25401-25409; doi:0957-4484/13/255401
- Siddique Akber Ansari, Pietro Matricardi, Claudia Cencetti, Chiara Di Meo, Maria Carafa, Claudia Mazzuca, Antonio Palleschi, Donatella Capitani, Franco Alhaique, and Tommasina Coviello
Sonication-Based Improvement of the Physicochemical Properties of Guar Gum as a Potential Substrate for Modified Drug Delivery Systems
BioMed Research International, 2013, Article ID 985259, 11 pages
doi:10.1155/2013/985259
- Valerio Zardetto, Francesco Di Giacomo, Diana Garcia-Alonso, Wytze Keuning, Mariadriana Creatore, Claudia Mazzuca, Andrea Reale, Aldo Di Carlo and Thomas M. Brown
Fully Plastic Dye Solar Cell Devices by Low-Temperature UV-Irradiation of both the Mesoporous TiO₂ Photo- and Platinized Counter-Electrodes
Advanced Energy Materials. Article first published online : 7 JUN 2013,
DOI: 10.1002/aenm.201300101
- M. Caruso, E. Placidi, E. Gatto, C. Mazzuca, L. Stella, G. Bocchinfuso, A. Palleschi, F. Formaggio, C. Toniolo, and M. Venanzi.
Fibrils or Globules? Tuning the Morphology of Peptide Aggregates from Helical Building Blocks
J. Phys. Chem. B 2013, 117, 5448–5459. dx.doi.org/10.1021/jp400009j
- Laura Micheli, Claudia Mazzuca, Antonio Palleschi and Giuseppe Palleschi
Combining a hydrogel and an electrochemical biosensor to determine the extent of degradation of paper artworks
Analytical and Bioanalytical Chemistry Volume 403, Number 6 (2012), 1485-1489, DOI: 10.1007/s00216-012-5885-y
- Bocchinfuso, G., Bobone, S., Mazzuca, C., Palleschi, A., & Stella, L.

Fluorescence spectroscopy and molecular dynamics simulations in studies on the mechanism of membrane destabilization by antimicrobial peptides (multi-author review)
Cellular and molecular life sciences: CMLS, Volume 68, Number 13 (2011), 2281-2301,
DOI: 10.1007/s00018-011-0719-1

- F. Cavaliere, S. L. Ng, C. Mazzuca, Z. Jia, V. Bulmus, T. Davis, F. Caruso.
Thin Multilayer Films and Microcapsules Containing DNA Quadruplex Motifs.
Small, 2011(1), 7:101-111. DOI: 10.1002/smll.201001246
- G. Bocchinfuso, C. Mazzuca, C. Sandolo, S. Margheritelli, F. Alhaique, T. Coviello, A. Palleschi.
Guar Gum and Scleroglucan Interactions with Borax: Experimental and Theoretical Studies of an Unexpected Similarity.
J. Phys. Chem. B, 2010, 114: 13059-13068.
- C. Mazzuca., B. Orioni, M. Coletta, F. Formaggio, C. Toniolo, G. Maulucci, M. De Spirito, B. Pispisa, M. Venanzi, L. Stella.
Fluctuations and the Rate-Limiting Step of Peptide-Induced Membrane Leakage.
Biophysical Journal, 2010, 99: 1791-1800.