

List of publications

1. Cleofe Palocci*, Laura Chronopoulou, Francesca Scaramuzzo, Raoul Fioravanti, Antonio Di Nitto, **Sara Cerra**, Ilaria Fratoddi. Noble metal nanoparticle-based networks as a new platform for lipase immobilization, *Int. J. Biol. Macromol.* **2020**, *146*, 790-797. Doi: <https://doi.org/10.1016/j.ijbiomac.2019.10.047>.
2. **Sara Cerra**, Paride Pica, Mirko Congiu*, Miguel H. Boratto, Carlo F.O. Graeff, Ilaria Fratoddi. Gold nanoparticles functionalized with 4,4'-dithiobiphenyl blended with CuS in PMMA for switching memory devices, *J. Mater. Sci: Mater. Electron.* **2020**, *31*, 12083-12088. Doi: <https://doi.org/10.1007/s10854-020-03753-5>.
3. Mattia Rapa*, Giuliana Vinci, Salvatore Ciano, **Sara Cerra**, Ilaria Fratoddi. Gold nanoparticles-based extraction of phenolic compounds from olive mill wastewater: A rapid and sustainable method, *AIP Conference Proceedings* **2020**, *2257*, 020010. Doi: <https://doi.org/10.1063/5.0023606>.
4. **Sara Cerra***, Roberto Matassa, Ana Maria Beltrán, Giuseppe Familiari, Chiara Battocchio, Igor Piš, Fabio Sciubba, Francesca A. Scaramuzzo, Alessandra Del Giudice, Ilaria Fratoddi*. Insights about the interaction of methotrexate loaded hydrophilic gold nanoparticles: Spectroscopic, morphological and structural characterizations, *Mater. Sci. Eng. C* **2020**, *117*, 111337. Doi: <https://doi.org/10.1016/j.msec.2020.111337>.
5. Federico Cruciani, Chiara Pasquini, Francesca D'Acunzo, Andrea D'Annibale, Ilaria Fratoddi, **Sara Cerra**, Giovanni Pulci, Mauro Bassetti*. Synthesis and characterization of stereoregular p-conjugated polyarylenynes, (-Ar-(E)-CH=CHCC-)*n*, decorated with branched bis-alkoxy side chains, *Synth. Met.* **2020**, *269*, 116538. Doi: <https://doi.org/10.1016/j.synthmet.2020.116538>.
6. **Sara Cerra**, Laura Fontana, Enrico Rossi, Mauro Bassetti*, Chiara Battocchio, Iole Venditti, Laura Carlini, Roberto Matassa, Giuseppe Familiari, Ilaria Fratoddi*. Binuclear organometallic Pt(II) complexes as stabilizing ligands for gold and silver metal nanoparticles, *Inorg. Chim. Acta* **2021**, *516*, 120170. Doi: <https://doi.org/10.1016/j.ica.2020.120170>.
7. Ilaria Fratoddi, Chiara Battocchio, Giovanna Iucci, Daniele Catone, Antonella Cartoni, Alessandra Paladini, Patrick O'Keeffe, Silvia Nappini, **Sara Cerra**, Iole Venditti*. Silver nanoparticles functionalized by fluorescein isothiocyanate or rhodamine b isothiocyanate: Fluorescent and plasmonic materials, *Appl. Sci.* **2021**, *11*, 2472. Doi: <https://doi.org/10.3390/app11062472>.
8. Ilaria Fratoddi*, **Sara Cerra**, Tommaso A. Salamone, Raoul Fioravanti, Fabio Sciubba, Emiliano Zampetti, Antonella Macagnano, Amanda Generosi, Barbara Paci, Francesca A. Scaramuzzo, Roberto Matassa, Giuseppe Familiari, Chiara Battocchio, Martina Marsotto, Paolo Papa, Andrea Bearzotti*. Functionalized Gold Nanoparticles as an Active Layer for Mercury Vapor Detection at Room Temperature, *ACS Appl. Nano Mater.* **2021**, *4*, 2930-2940. Doi: <https://doi.org/10.1021/acsnm.1c00074>.
9. **Sara Cerra***, Tommaso A. Salamone, Fabio Sciubba, Martina Marsotto, Chiara Battocchio, Silvia Nappini, Francesca A. Scaramuzzo, Roberto Li Voti, Concita Sibilìa, Roberto Matassa, Ana Maria Beltrán, Giuseppe Familiari, Ilaria Fratoddi*. Study of the interaction mechanism between hydrophilic thiol capped gold nanoparticles and melamine in aqueous medium, *Colloids Surf. B* **2021**, *203*, 111727. Doi: <https://doi.org/10.1016/j.colsurfb.2021.111727>.
10. Roberto Li Voti*, Grigore Leahu, Concita Sibilìa, Roberto Matassa, Giuseppe Familiari, **Sara Cerra**, Tommaso A. Salamone, Ilaria Fratoddi*. Photoacoustics for listening to metal nanoparticle super-aggregates, *Nanoscale Adv.* **2021**, *3*, 4692-4701. Doi: <https://doi.org/10.1039/D1NA00333J>.
11. Souren Grigorian,* Laura Fontana, **Sara Cerra**, Ullrich Pietsch, Francesca A. Scaramuzzo, Ilaria Fratoddi*. Superior Transport Behavior of Gold Nanoparticles/P3HT Blends by Tuning Optical and Structural Properties, *Synth. Met.* **2022**, *283*, 116973. Doi: <https://doi.org/10.1016/j.synthmet.2021.116973>.

12. Iole Venditti, Antonella Cartoni, **Sara Cerra**,* Raoul Fioravanti, Tommaso Alberto Salamone, Fabio Sciubba, Maria Antonella Tabocchini, Valentina Dini,* Chiara Battocchio, Giovanna Iucci, Laura Carlini, Riccardo Faccini, Francesco Collamati, Carlo Mancini Terracciano, Elena Solfaroli Camillocci, Silvio Morganti, Alessandro Giordano, Teresa Scotognella, Daria Maccora, Dante Rotili, Cinzia Marchese, Eleni Anastasiadou, Pankaj Trivedi, Ilaria Fratoddi. Hydrophilic Gold Nanoparticles as Anti-PD-L1 Antibody Carriers: Synthesis and Interface Properties, *Part. Part. Syst. Charact.* **2022**, 2100282. Doi: <https://doi.org/10.1002/ppsc.202100282>.